2022–2023
Periodic Review Report
Staubs Textile Services, Inc., Site
NYSDEC Site No. 828160
City of Rochester
Monroe County, New York

February 2024

Prepared for:

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
625 Broadway
Albany, New York 12233-7013

Prepared by:

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List of Abbreviations and Acronyms

µg/L	micrograms per liter
µg/m^3	micrograms per cubic meter
DAR	Division of Air Resources
DER	Division of Environmental Remediation
E & E	Ecology and Environment Engineering and Geology, P.C.
EC	engineering control
FS	Feasibility Study
HDPE	high density polyethylene
IC	institutional control
LTGM	Long-term groundwater monitoring
Nature's Way	Nature's Way Environmental Consultants & Contractors Inc.
NYSDEC	New York State Department of Environmental Conservation
OM&M	operations, maintenance, and monitoring
PCE	perchloroethylene or tetrachloroethene
PRR	Periodic Review Report
RI	remedial investigation
ROD	Record of Decision
SGC	short-term guideline concentrations
Shaw	Shaw Environmental and Infrastructure Engineering of New York, P.C.
SMP	Site Management Plan
The Site	Staubs Textile Services Site
SVE	soil vapor extraction
SVOC	semivolatile organic compound
TCE	trichloroethylene
UST	underground storage tank
VOC	volatile organic compound

Enclosure 1

Engineering Controls – Engineering Standby Contractor Certification Form

Staubs Textile Services, Inc., Site
NYSDEC Site Number – 828160

Enclosure 1
Engineering Controls - Standby Consultant/Contractor Certification Form

Site Details **Box 1**

Site No. **828160**

Site Name Staubs Textile Services, Inc.

Site Address: 935, 951 East Main Street Zip Code: 14605
City/Town: Rochester
County: Monroe
Site Acreage: 1.2

Reporting Period: June 04, 2022 to June 04, 2023

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

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	
7. Are all ICs/ECs in place and functioning as designed?	X	

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues.

Signature of Standby Consultant/Contractor Date

SITE NO. 828160 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
106.75-01-17	Circle Street Development II, LLC	
		Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan

The Environmental Easement was recorded with the Monroe County Clerk's office on February 3, 2020 in Book 12311 at Page 683 as document number #202002181020

The ICs are:

1. The property may be used for commercial use as defined by Part 375, although land use is subject to local zoning laws;
2. All ECs must be operated and maintained as specified in this SMP;
3. All ECs must be inspected at a frequency and in a manner defined in the SMP;
4. The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Monroe County Department of Health to render it safe for use for industrial purposes, and the user must first notify and obtain written approval to do so from the department. Human consumption of the groundwater is prohibited;
5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
9. Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP; and
10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.

106.75-01-39	Circle Street Development II, LLC	
		Site Management Plan
		Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan

The Environmental Easement was recorded with the Monroe County Clerk's office on February 3, 2020 in Book 12311 at Page 683 as document number #202002181020

The ICs are:

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9. Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP; and
10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
106.75-01-17	
	Cover System Air Sparging/Soil Vapor Extraction Monitoring Wells
1. Site Cover (Parking Lot) 2. Groundwater monitoring wells and Soil Vapor Extraction wells	
106.75-01-39	
	Air Sparging/Soil Vapor Extraction Monitoring Wells Cover System
1. Site Cover (Parking Lot) 2. Groundwater monitoring wells and Soil Vapor Extraction wells	

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
☒	☐

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

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

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

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

YES	NO
☒	☐

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

_____ _____

Signature of Standby Consultant/Contractor Date

Box 6

IC/EC CERTIFICATIONS

Signature

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

I Ashlee Smith, P.E. at Ecology and Environment Engineering and Geology, P.C.
print name

40 LaRiviere Drive, Suite 320

Buffalo, NY 14202,
(print business address)

am certifying as a Professional Engineer.

Signature of

Stamp
(Required for PE)

February 14, 2024
Date

Executive Summary

The 2022–2023 Periodic Review Report (PRR) summarizes and evaluates the performance, effectiveness and protectiveness of the Engineering Controls and Institutional Controls established at the Staubs Textile Services, Inc., Site (the Site), New York State Department of Environmental Conservation (NYSDEC) Site No. 828160, for the June 2022 to May 2023 certification period.

The operations, maintenance, and monitoring (OM&M) work for the Site documented in this report was performed by Ecology and Environment Engineering and Geology, P.C. (E & E) under work assignment D009807-04, and Nature's Way Environmental Consultants & Contractors Inc. (Nature's Way) under standby contract number C100612 with NYSDEC. The E & E site management work assignment (D009807-04) is to continue through March 2025.

The Site is located at 935–951 East Main Street in the City of Rochester, Monroe County, New York. It is 1.2 acres and located in a mixed commercial/residential area on the northeast side of the city. The environmental contamination associated with the Site resulted from the improper handling and management of perchloroethene, also known as tetrachloroethene, a solvent used in the dry-cleaning process. The poor management practices resulted in contamination of the soils, soil vapor, and groundwater beneath and downgradient of the Staubs facility.

Investigation/Remedial History

The site has a 70-year history of use as an industrial laundry and dry-cleaning service. Operations at the facility ceased in 2005. Several investigations were completed at the Site and a remedial action was implemented for Operable Unit 1 (Site Soils) from 2012 to the present. The results of the analyses identified volatile organic compound (VOC) contamination at concentrations ranging from the hundreds to thousands of parts per million, above the restricted commercial soil cleanup objectives identified in 6 New York Codes, Rules, and Regulations Part 375-6.4(b). Though the magnitude of contaminant concentrations has been relatively stable over the course of all of the following sampling events, the depth of the contamination has increased.

In 2018, some of the contaminated soil was excavated and a soil vapor extraction (SVE) system was installed for the removal and treatment of VOCs from soil vapors beneath, north of, and adjacent to the Site as per the Site remedy.

Effectiveness of the Remedial Program from June 2022 to May 2023, Certification Period

The effectiveness of the SVE remedial treatment system at the Site during the certification period is described below.

- **SVE Remedial Treatment System**
  The SVE remedial treatment system consists of 18 SVE wells, a soil vapor treatment system, and supportive appurtenances at the Site. Based on the reported hours of operation for the continuous operation period from June 2022 to May 2023, the SVE remedial treatment system effectively operated approximately 98 percent of the time. The system treated soil vapor from the Site and has removed approximately 1,978 pounds of VOCs from system startup in December 2018 through May 2023.
- **Groundwater Monitoring Well Network**
  The long-term groundwater monitoring (LTGM) program was established in 2020. At present, groundwater is not being used as a potable water source in the area of concern around the Site. Annual sampling of the monitoring wells was performed in 2022. The 2022 Groundwater Sampling and Analysis Report was submitted to NYSDEC in May 2023 and revised June 2023, included as Appendix D. Results from the 2022 LTGM events are included in this report. The samples collected as part of the LTGM program were analyzed for VOCs as requested by NYSDEC.

Site Management Plan

The Site Management Plan (SMP) (E & E 2019) for the Site was completed in 2019. The SMP was not updated between 2019 and 2023 as no major changes in the environmental management of the Site have been deemed necessary.

Compliance

Currently, the institutional controls and engineering controls outlined in the SMP (E & E 2019) are being implemented, and the Site is in compliance with the Site remedy specified in the Record of Decision issued in February 2017 (NYSDEC 2017) and modified by the Explanation of Significant Difference issued in February 2018 (NYSDEC 2018). The SMP stipulates the required inspection, maintenance, and monitoring event frequency for the remedial and monitoring elements at the Site.

NYSDEC contracted the OM&M services to Nature’s Way for the entire period of the work assignment. E & E provides oversight of the OM&M work. From 2019 to 2023, Nature’s Way conducted monthly OM&M activities and prepared monthly OM&M reports for the operation of the SVE remedial treatment system and the effluent discharge to the atmosphere.

The SVE remedial treatment system and ancillary equipment operated in general compliance with the requirements of the SMP throughout the reporting period. Exceedances over the air monitoring limits are described further in Section 2.2.1.

Recommendations

Section 6 of the PRR provides recommendations that support eventual closure or a change in classification of the Site. Recommended remedial actions include the following:

1. Continue monthly OM&M sampling of the influent and effluent to and from the SVE remedial treatment system;
2. Sample the SVE wells quarterly;
3. Implement a pilot study to evaluate substitution of effluent treatment technology (granular activated carbon for catalytic oxidation) and/or removal of effluent treatment;
4. Continue the LTGM program and evaluation of the results on an annual basis;
5. Evaluate potential expansion of groundwater well monitoring network to better delineate groundwater plume.
6. Continue to evaluate the SMP and submit recommended changes to the SMP based on upgrades/changes in treatment system(s) at the Site; and
7. Continue annual PRR reporting.

1 Site Overview

In accordance with the requirements specified in the current Site Management Plan (SMP) (E & E 2019), this Periodic Review Report (PRR) presents information on the operations, maintenance, monitoring (OM&M), compliance activities, and associated costs for the Staubs Textile Services Site (the Site) for the June 2022 to May 2023 certification period. This PRR was prepared by Ecology and Environment Engineering and Geology, P.C. (E & E) to document the operation of the soil vapor extraction (SVE) remedial treatment system and the long-term groundwater monitoring (LTGM) activities at the Site.

1.1 Site Location, Ownership, and Description

Located at 935–951 East Main Street in the City of Rochester, Monroe County, New York, the Site is 1.2 acres across two contiguous parcels in a mixed commercial/residential area on the northeast side of the city. The original part of the building was constructed circa 1910 and "William Staub of Staub & Son" purchased the building in 1922. In September 1927, Staub & Son completed a permit to add the present cleaning plant. In 1995, a permit was completed to build a third floor of the dry-cleaning plant. Other additions/renovations were made to the building after 1995. The Site is now owned by Circle Street Development, LLC.

The Site is served by the city's public water and sewer system. The property is currently used as a parking area. East Main Street borders the Site to the north. Commercial and residential property borders the Site to the east, west, and south. The nearest surface waterbody to the facility is the Genesee River, located approximately 1.3 miles west of the Site. Figures 1-1 and 1-2 depict the Site location and Site plan, respectively.

1.2 Investigation/Remedial History

According to the Phase I Environmental Site Assessment report, the Site was historically used as a dry-cleaning operation (Passero Associates 2009). An interview with the Site owner indicated that the Site was then being used as a uniform supplier and laundry. A dry-cleaning compliance inspection performed on April 25, 2002, noted that two dry-cleaning machines used perchloroethylene (PCE) as their dry-cleaning solvent.

The compliance inspection report also stated that the PCE usage log indicated the use of 160 gallons of PCE in the prior 12-month period (April 2001 to 2002). The Phase I Environmental Site Assessment also noted that the New York State Department of Environmental Conservation's (NYSDEC) October 2005 "Hazardous Waste Compliance Inspection" declared that the facility was closed and no longer regulated at that time. Passero Associates completed another site inspection in 2009. The building was vacant at that time, with two dry-cleaning machines labeled "perchloroethylene" located in the southern portion of the building.

A review of historic Sanborn Fire Insurance Maps (Sanborn®) indicated that, in the early 1900s, the Site was occupied by Faber, a manufacturer and repairer of sulkies (i.e., carriages). The Sanborn® Maps dated 1938, 1950, and 1971 indicate that the subject building was referred to as Staub & Son, Inc. "laundry and dry cleaning." Six solvent tanks, a chemical storage area, a clarifier tank, and a gas tank were present onsite throughout this period. Two of the solvent tanks were located inside the subject building (south side). The remaining solvent tanks, clarifier tank, and the gas tank were located along the south of the building; this area was subsequently covered by an addition to the building.

The following is a summary of the investigations and remedial actions that have been performed on the Site for Operable Unit 1 (Site Soils) from 2012 to the present.

1.2.1 Initial Remedial Investigation

NYSDEC contracted Shaw Environmental and Infrastructure Engineering of New York, P.C. (Shaw) to complete a remedial investigation (RI) at the Site in June 2011 to further delineate and characterize the extent of horizontal and vertical soil, groundwater, and vapor phase impacts (Shaw 2014). Investigative activities occurred at the Site between November 2011 and August 2013. The results of the soil sampling events are discussed below.

As part of the initial RI, Shaw drilled a total of 53 soil borings during four separate field events, to a maximum depth of 25 feet below ground surface (to top of bedrock). Samples were collected from borings wherever visible stains or high photoionization detector readings were recorded, quantified as any reading above 50 parts per million after the first sampling event. A total of 111 samples were collected. Samples were analyzed for volatile organic compounds (VOCs), with analysis for semivolatile organic compounds (SVOCs) completed during the first two sampling events and analysis for metals, pesticides, and polychlorinated biphenyls included in the first sampling event.

The results of the analyses identified VOC contamination at concentrations ranging from the hundreds to thousands of parts per million, above the restricted commercial soil cleanup objectives identified in 6 New York Codes, Rules, and Regulations Part 375-6.4(b).

An interim remedial measure was completed in October 2012 to identify whether underground storage tanks (USTs) existed within the site building. Inside the building, five USTs were discovered, excavated, and removed. One additional tank was discovered during this investigation within the site building, in the southwest corner. This tank was closed in place. A 20,000-gallon UST was also excavated and removed from the exterior of the site building as part of the interim remedial measure.

In August 2013, an SVE system was installed as part of a pilot test in the former dry cleaner building. The system consisted of a SVE skid system (blower, manifold, and knockout drum), seven SVE wells, two vapor observation wells, and a catalytic oxidizer to treat the vapor. A review of the pilot test determined that the current system was not cost effective. This SVE system was shut down and decommissioned on August 20, 2015. Approximately 22,000 pounds of PCE were removed during the operation of the SVE system.

Shaw conducted groundwater sampling events at the site in June 2014 and July 2015. Groundwater samples were collected from 14 locations on- and offsite for analysis of VOCs (2014 and 2015) and SVOCs (2014 only). The contaminants of interest included cis-1,2-dichloroethene, PCE, trichloroethylene (TCE), and vinyl chloride.

1.2.2 Feasibility Study

Shaw performed a feasibility study (FS) for the Site in 2015 (Shaw 2015) to evaluate remedial alternatives that could be employed to address onsite soil and soil vapor contamination identified during the draft RI. The FS evaluated the following remedial alternatives:

- Alternative 1: No Action
- Alternative 2: Site Management
- Alternative 3: Restoration to Predisposal or Unrestricted Conditions
- Alternative 4: Soil Excavation within the Existing Building, in situ Remediation, and Institutional Controls
- Alternative 5: Upgrading the Existing SVE System

Based on the evaluation performed in the FS, the recommended alternative for the Site was Alternative 5.

1.2.3 Final Operable Unit 1 Remedial Investigation

E & E conducted a soil boring investigation in 2016 to further refine the extent of contamination in the soil (E & E 2017). Samples were collected in the spring and fall. After evaluating the recommendation made in the FS by Shaw based on the results of sampling that took place in 2016, NYSDEC made the decision to proceed with FS Alternative 4. This decision was published in the Record of Decision (ROD) for OU1 (NYSDEC 2017). As evidenced by the 2016 sampling, the SVE system installed in 2013 did not address the major contamination in the

Site soils adequately; therefore, excavation of the soils was chosen as a more reliable method to eliminate/reduce contamination.

During the remedial design investigation, which began in fall 2017, the limit of excavated soils was expanded due to predesign investigation sampling results. Due to this higher volume of soil, NYSDEC selected a new remedy that included installation of an SVE system after the targeted removal of a smaller volume of contaminated soil. This decision was issued in February 2018 as an Explanation of Significant Difference (NYSDEC 2018).

Construction of the remedial design was completed between April and December 2018. Hazardous and nonhazardous soil and concrete were removed and transported offsite. Eighteen SVE wells were installed onsite and connected with high density polyethylene (HDPE) piping leading to an offsite soil vapor treatment system. Once onsite construction was complete, geotextile and clean gravel was installed and Pike Company paved the entire site as a parking lot. The treatment system was manufactured by Product Recovery Management, Inc. and delivered in December 2018. The treatment system was then connected to the HDPE piping and SVE wells.

1.3 Remaining Contamination

All soil to a depth of approximately 1 foot beneath the parking lot surface was excavated and replaced with clean fill during construction in 2018. A geotextile layer was placed approximately 1 foot below the parking lot surface and separates the clean fill from the contaminated soil below. Additionally, targeted excavation was performed in a discrete area to remove the highest concentration of soil contamination at the Site. Remaining contamination of site COCs after soil removal ranged from 2,000 mg/kg to 5,200 mg/kg at depths of 6 to 16 feet below ground surface in the areas surrounding the SVE system. Outside of the footprint of the SVE system, no soils remained that exceeded commercial SCOs for site COCs. Operation of the SVE system is intended to remove this remaining contamination from the soils. As a result, confirmation soil sampling was not completed at the Site. Details on the SVE system operation are included in subsequent sections.

The ROD and Explanation of Significant Difference estimated that approximately 8,000 cubic yards of contaminated soil would require removal during remedial construction. As summarized in the Final Engineering Report, approximately 2,900 cubic yards of nonhazardous soils and concrete, 875 cubic yards of hazardous soils and concrete, and 205 cubic yards of nonhazardous asphalt were removed from the Site. Approximately 4,000 cubic yards of that remaining contaminated soil lies below the impact footprint of the SVE system. However, that contamination is expected to migrate upward and toward the SVE wells during operation of the treatment system. The remaining contamination likely will be treated using the SVE system. A detailed Site history and custodial record detailing known and available site reports are included in Appendix A.

A network of 17 active groundwater monitoring wells and piezometers are located on the Site and adjacent properties. Wells and piezometers are sampled on an annual basis as part of the LTGM program. Remaining contamination in groundwater is discussed in the 2022 Groundwater Sampling and Analysis Report.

1.4 Regulatory Requirements/Cleanup Goals

The overall remedial requirements for the Site include the following:

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
- Prevent contact with contaminated groundwater or inhalation of volatiles from the groundwater.
- Remove the source of ground or surface water contamination.
- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure from contaminants volatizing from contaminants in soil.
- Prevent migration of contaminants that would result in groundwater or surface water contamination.
- Mitigate impacts on public health resulting from existing, or the potential for, soil vapor instruction into buildings at the Site.

1.5 Site Treatment and Monitoring Systems

1.5.1 Soil Vapor Extraction Remedial Treatment System

The remedial treatment system consists of 18 SVE wells, a soil vapor treatment system, and supportive appurtenances at the Site. Vacuum is applied to the soil vapor extraction wells to extract contaminated soil vapor from the unsaturated zone and is transported through piping to the SVE system for treatment. The treatment system includes a control panel, telemetry controls for remote monitoring of the system during operation, a moisture separator tank, a manual flow dilution valve, a differential pressure flow monitor, a blower, and a catalytic oxidizer unit which is located outside the trailer. The treated effluent is then discharged to the atmosphere. Monthly samples are collected from the system influent and effluent. There are currently 18 SVE wells in operation (SVE-1 through SVE-18) at the Site. Quarterly samples are collected from each of the SVE wells to monitor the concentrations within the treatment area. Locations of the SVE wells and associated piping are provided in Figure 1-3.

1.5.2 Long-Term Groundwater Monitoring

One of the elements of this remedy is the long-term monitoring of onsite and offsite groundwater. There are currently 16 active monitoring wells and piezometers around the Site as shown in Figure 1-4. The analytical results for samples collected during the 2022 LTGM activities are discussed in Section 3.

1.6 Site Management Plan

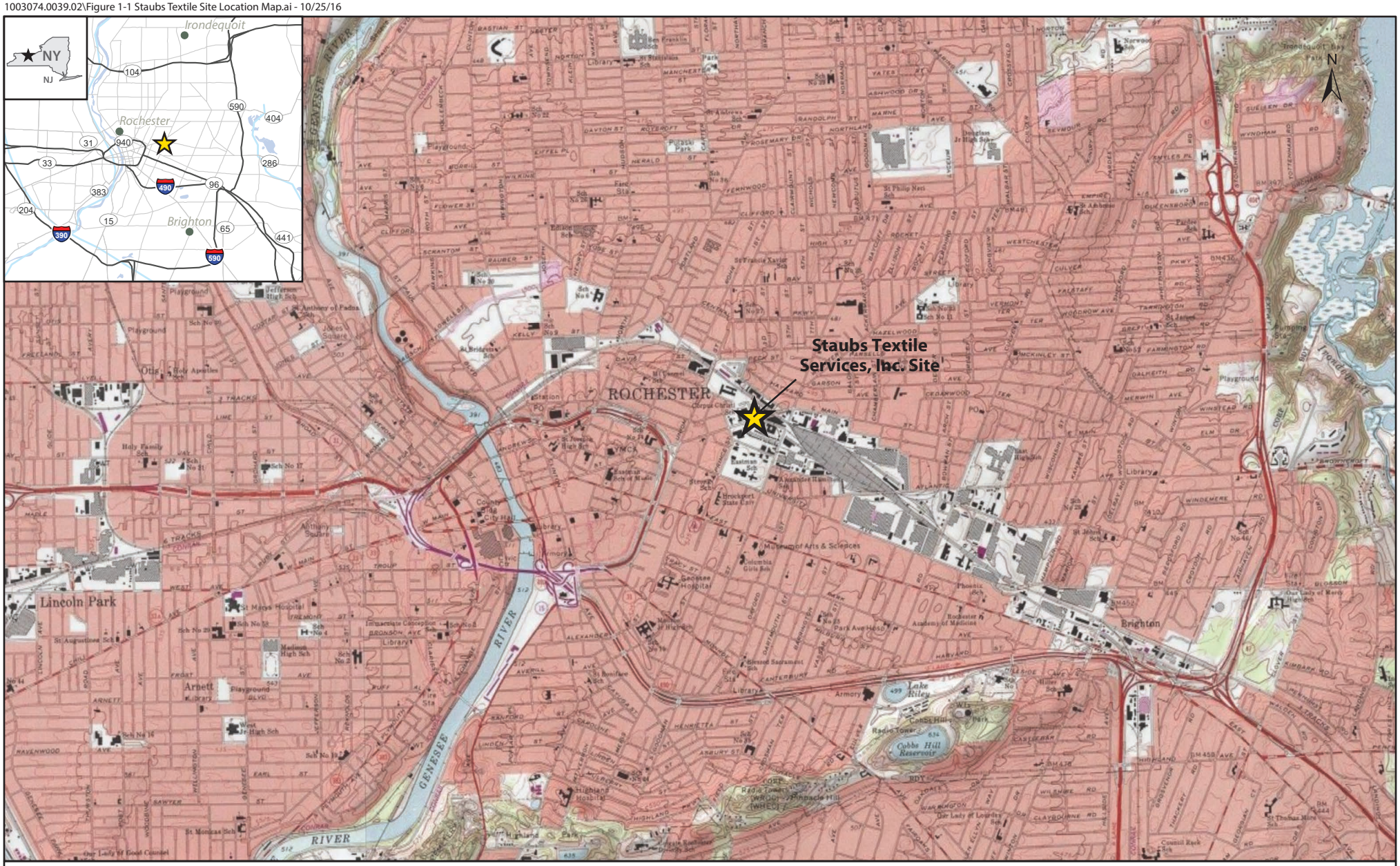
The SMP was issued by E & E in accordance with the requirements of the NYSDEC's Division of Environmental Remediation (DER)-10 -Technical Guidance for Site Investigation and Remediation, May 2010 (DER-10) and the guidelines provided by NYSDEC in September 2009 (NYSDEC 2010).

The SMP describes measures to monitor and evaluate the performance and effectiveness of the ongoing remedial action with respect to the individual remedial units at and around the Site, including:

- Operation and maintenance of the SVE remedial treatment system;
- Groundwater sampling;
- Analysis of the individual environmental matrices; and
- Reporting.

1.7 Significant Remedial Activities within the 2022–2023 Period

There are no significant remedial activities at the Site to report between June 2022 and May 2023.



Legend

Site Location

2,000 1,000 0 2,000 4,000 6,000 Feet

Figure 1-1
Site Location Map
Staubs Textile Services, Inc. Site,
Rochester, NY

ecology and environment, inc.
Global Environmental Specialists

Coordinate System:
North American Datum 1983
New York State Plane West FIPS 3103

Units: Feet

Source:
ESRI 2012; ESRI 2015
Ecology and Environment, Inc. 2016

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ecology and environment
engineering and geology, p.c.
Environmental Specialists

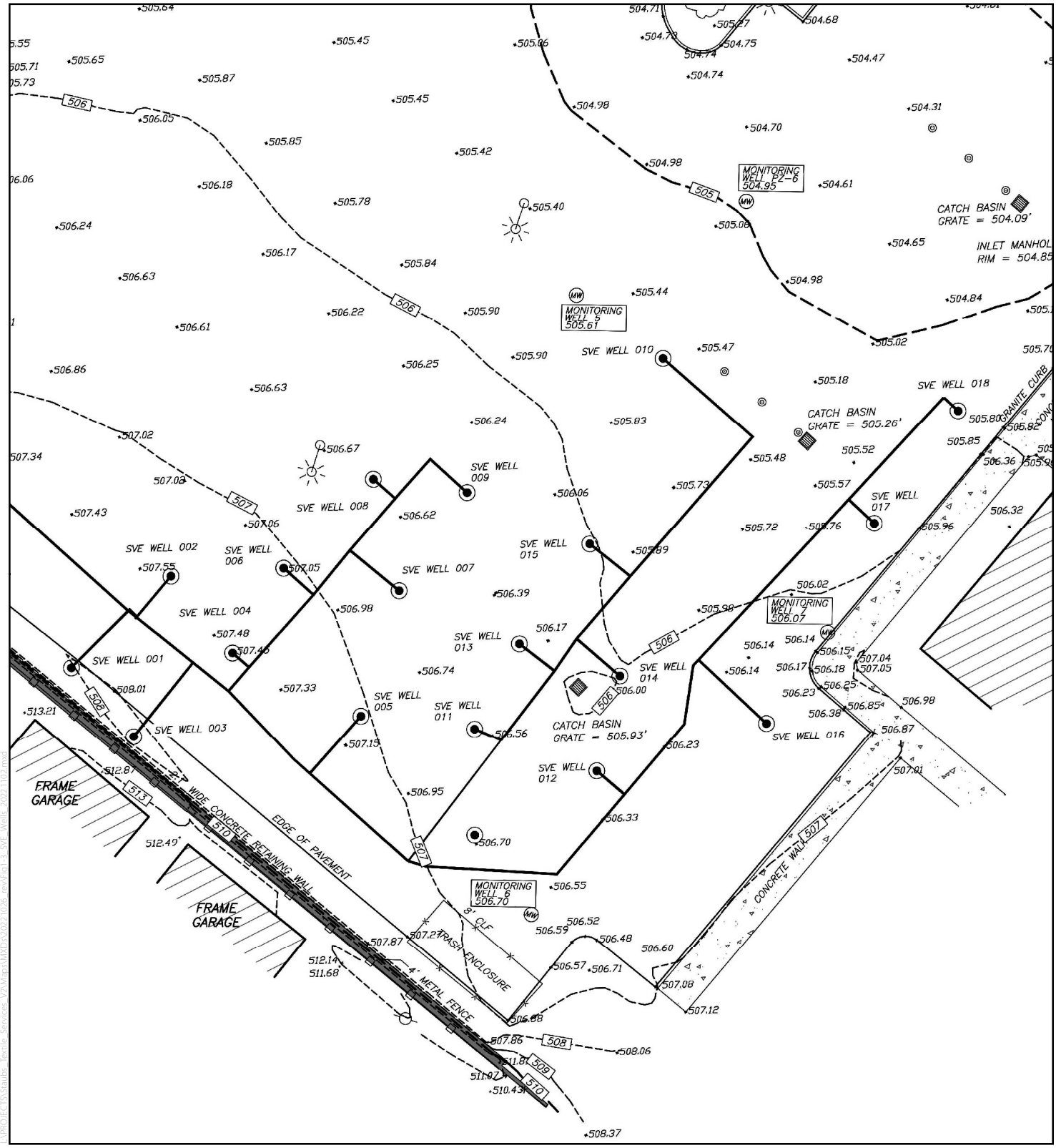
N

0 50 100
Feet

Staub's Textile Services, Inc. Site

Figure 1-2
Site Plan
Staubs Textile Services, Inc. Site

Rochester, New York



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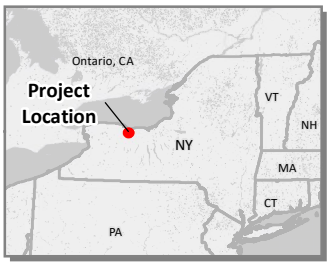

Figure 1-3
SVE Well Locations
Staubs Textile Services, Inc. Site

Rochester, New York

Reference Drawing: Project Record Drawings by Ravi Engineering & Land Surveying, PC, 6/20/2019.

L:\PROJECTS\Staubs_Textile_Services_V2\Maps\MXDs\20221026_revFig1-3_SVE_Wells_2022 1102.mxd

ecology and environment engineering and geology, p.c.
Environmental Specialists

N

0 50 100
Feet

Monitoring Well Location

Figure 1-4
Groundwater Monitoring
Well/Piezometer Well Locations
Staubs Textile Services, Inc. Site

Rochester, New York

L:\PROJECTS\Staubs_Textile_Services_V2\Maps\MXDs\20221026_revFig1-4_Well_Locations_20221026.mxd

2 Site Institutional and Engineering Controls Compliance

Institutional controls (ICs) and engineering controls (ECs) are employed on the Site to protect human health and the environment; implement, monitor, and maintain the ECs; and reduce future exposure to remaining contamination. Evaluations of the ICs and ECs during the June 2022 to May 2023 certification period are provided below.

2.1 Institutional Controls

As per the Site ROD (NYSDEC 2017), the proposed remedy for the Site included the imposition of institutional controls in the form of an environmental easement for the onsite portion of the Site, which:

- Required the completion and submittal of a periodic certification of institutional and engineering controls.
- Allowed the use and development of the property for commercial use.
- Restricted use of onsite groundwater as a source of potable or process water, without necessary water quality treatment.
- Required compliance with the NYSDEC-approved SMP.

The following are currently listed as ICs for the Site on Enclosure 1 – Institutional Controls – Standby Consultant/Contractor Certification Form included with this report:

- Site Management Plan
- Soil Management/Excavation Work Plan
- O&M Plan
- Monitoring Plan
- Land Use Restriction
- Ground Water Use Restriction

The current SMP (E & E 2019) includes an excavation work plan, monitoring plan, and operations and maintenance plan.

Between June 2022 and May 2023, there were no changes in property ownership at the Site or at the SVE remedial treatment system (925 E. Main Street). As such, no changes to the ICs were undertaken at the Site.

During the reporting period, the Site was in compliance with the ICs required by the SMP:

- The ICs employed at the Site are unchanged from the date the control was put in place and are compliant with NYSDEC-approved modifications.
- Nothing has occurred that would impair the ability of the ICs to protect the public health and environment.
- Nothing has occurred that would constitute a violation or failure to comply with Site-specific requirements of the SMP.
- Access to the Site will continue to be provided to NYSDEC to evaluate the remedy, including access to evaluate the continued maintenance of the ICs.
- Use of the Site complies with the environmental easements.

2.2 Engineering Controls

The ECs that support remedial operations at the Site are consistent with the SMP regarding Site OM&M. The following are currently listed as ECs for the Site on Enclosure 1 – Engineering Controls – Standby Consultant/Contractor Certification Form included with this report:

- Cover System
- Air Sparging/SVE
- Monitoring Wells

Routine inspections confirm that the ECs are consistently operating as designed.

2.2.1 Soil Vapor Extraction Remedial Treatment System

The analytical and operational data presented in this report indicate the SVE remedial treatment system at the Site was within the requirements identified in the ROD (NYSDEC 2017) and SMP (E & E 2019) between 2022 and 2023. The results of the inspections of the SVE system (while in use) and SVE wells were reported monthly to NYSDEC. The monthly OM&M reports for 2022 to 2023 are included in Appendix B. The analytical data from the Monthly treatment system sampling is included as Appendix C. The OM&M service inspection requirements are described in the SMP (E & E 2019).

The effluent discharge criteria used for the SVE remedial treatment system at the Site were based on the Division of Air Resources (DAR) publication DAR-1 as short-term guidance concentrations (SGCs) in the annual guideline concentrations

SGC tables (NYSDEC 2016). These SGCs were applied to the original stack height (12.25 feet) for treated effluent. During system operation in 2019, effluent criteria were exceeded and NYSDEC received odor complaints from a nearby homeowner. To reduce further odor issues, the stack height was increased by 10 feet to a total stack height of 22.25 feet and the effluent criteria were updated. Effluent criteria for both stack heights are provided in Table 2-1.

Table 2-1 Staubs Textile Services Site Remediation, Effluent Criteria

Analyte [AGC in µg/m3, HTAC in pounds/year]	Daily Maximum (Original Stack Height) (µg/m^3)	Daily Maximum (New Stack Height) (µg/m^3)	Daily Maximum (With Treatment) (µg/m^3)	Daily Maximum (No Treatment) (µg/m^3)
cis-1,2-Dichloroethane [63, n/a]	1,135,000	3,192,000	2,936,251	2,782,149
Trichloroethene [0.2, 500]	3,400	10,100	9,321	8,832
Tetrachloroethene [3.8, 1000]	68,000	203,000	78,400	162,000

AGC = annual guidance concentration as listed in DAR-1
HTAC = high toxicity air contaminant loading limit as listed in DAR-1
n/a = no value provided for this analyte
µg/m^3=micrograms per cubic meter

In March 2023, the effluent limits were recalculated using September 2022 system data and two different scenarios: (1) an exit flow rate of 310 standard cubic feet per minute and exit temperature of 750 degrees Fahrenheit, typical of effluent post-treatment by the catalytic oxidizer, and listed under Daily Maximum (With Treatment) in Table 2-1, and (2) an exit flow rate of 150 standard cubic feet per minute and temperature of 75 degrees Fahrenheit, typical of effluent conditions if catalytic oxidization treatment were bypassed, and listed under Daily Maximum (No Treatment) in Table 2-1, both using the new stack height of 22.25 feet. These limits were calculated in terms of achieving the annual guidance concentration and high-toxicity air contaminant loading limits, with the lowest values selected and shown in Table 2-1.

No exceedance of the criteria listed in Table 2-1 occurred from 2022 to 2023. The minimum concentrations of PCE and TCE in effluent occurred in April 2023 and were 595 micrograms per cubic meter (µg/m^3) and 2.7 µg/m^3, respectively. The minimum concentration of cis-1,2-DCE, 7.5 µg/m^3, occurred in March 2023. The maximum concentrations of PCE, TCE, and cis-1,2-DCE in effluent occurred in September 2022 and were 16,450 µg/m^3, 340 µg/m^3, and 365 µg/m^3, respectively.

2.2.1.1 Soil Vapor Extraction Remedial Treatment System Operational Runtime

The operational runtime percentages were calculated based on monthly hours of treatment system operations provided in the reporting period divided by the total potential hours of operation in the reporting period. Local power outages or equipment failure will affect operations of the SVE remedial treatment system. To limit these downtimes, the system has an auto-dialer that sends an alarm to Nature's Way and E & E if an equipment failure, power outage, full sump, or full knockout tank occurs. Between June 2022 and May 2023, the remedial system

had an operational runtime of 98 percent. The operational runtimes for the 2022 to 2023 period are detailed in Table 2-2.

Table 2-2 Treatment System Runtime in 2022 to 2023

Month(s)	Actual Period	Reporting Hours/ Maximum Hours	Operational Runtime (%)
June 2022	5/7/2022 - 6/20/2022	1080 / 1080	100%
July 2022	6/20/2022 - 8/3/2022	1056 / 1056	100%
August/September 2022	8/4/2022 - 9/26/2022	1296 / 1296	100%
October 2022	9/27/2022 - 10/14/2022	432 / 432	100%
November 2022	10/15/2022 - 11/22/2022	936 / 936	100%
December 2022	11/23/2022 - 12/20/2022	672 / 672	100%
January 2023	12/21/2023 - 1/16/2023	648 / 648	100%
February 2023	1/17/2023 - 2/17/2023	720 / 768	94%
March 2023	2/17/2023 - 3/13/2023	576 / 576	100%
April 2023	3/14/2023 - 4/28/2023	936 / 1104	85%
May 2023	4/29/2023 - 5/25/2023	648 / 648	100%
June 2022	5/7/2022 - 6/20/2022	1080 / 1080	100%
Total Hours of Operation June 2022 - May 2023		9000 / 9216	
		Average Operational Runtime:	**98%**

2022 to 2023 System Operational Runtime

Throughout the 2022-2023 period, the operational runtime of the treatment system was approximately 98 percent. Shutdown periods were estimated using the system's operational hours and records of shutdown dates. The data for operational runtime of the treatment system from May 7, 2022, through May 25, 2023, is provided in Table 2-2.

2.2.1.2 Volatile Organic Compounds Removal

The estimated quantity of VOCs removed (in pounds) is reported monthly for the treatment system and is based on the analytical results for influent and effluent samples and the total flow processed. Table 2-3 details the monthly amounts of VOCs removed between June 2022 and May 2023. During the 2022 to 2023 reporting period, approximately 210.70 pounds of VOCs were removed from the soil vapor by the SVE remedial treatment system.

Table 2-3 VOC Removal in 2022 to 2023

Month	Actual Period	Influent VOCs (µg/m^3)	Effluent VOCs (µg/m^3)	Removal Efficiency (%)	VOCs Removed (lbs.)
June 2022	5/6/2022 - 6/20/2022	61,540	5,560	91%	35.9
July 2022	6/20/2022 - 8/3/2022	9,890	2,181	78%	5.4

Table 2-3 VOC Removal in 2022 to 2023

Month	Actual Period	Influent VOCs (µg/m³)	Effluent VOCs (µg/m³)	Removal Efficiency (%)	VOCs Removed (lbs.)
August 2022	8/4/2022 - 9/2/2022	51,900	3,265	94%	22.1
September 2022	9/3/2022 - 9/26/2022	122,700	17,155	86%	35.9
October/November/ December 2022	9/27/2022 - 1/15/2023	51,800	1,729	97%	75.1
January 2023	1/16/2023 - 2/16/2023	26,590	991	96%	10.1
February/March 2023	2/17/2023 - 3/13/2023	20,710	773	96%	5.3
April 2023	3/14/2023 - 4/28/2023	19,070	615	97%	10.6
May 2023	4/29/2023 - 5/25/2023	30,950	1,549	95%	10.3
				Total VOCs Removed:	**210.7**

Key: µg/m³ = micrograms per cubic meter; lbs = pounds; VOC= volatile organic compound

2.2.1.3 Volatile Organic Compounds Removal Trend

The SVE remedial treatment system was installed in December 2018. The system was not run consistently during 2018 and 2019 due to system startup and modifications to address odor issues. As a result, there is not adequate VOC removal information for those years. The system began full operation in 2019 with a shutdown from September through January of 2020 to address odor issues, and the total VOCs removed have decreased since 2020 as the result of lower influent VOC concentrations (see Figure 2-1).

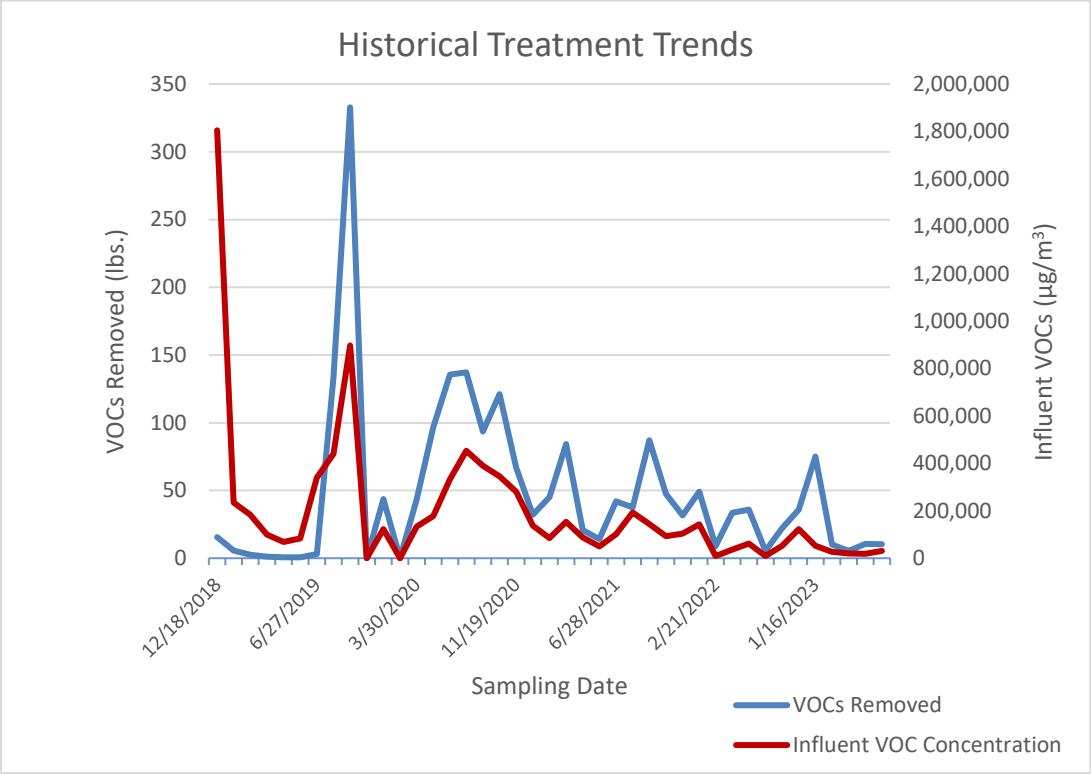

Figure 2-1 Historical Treatment Trends – Staubs Textile Services Site

The removal efficiencies of the SVE system remain high, greater than 78% and averaging 92 percent within the June 2022 to May 2023 reporting period. The lower removal rate, or pounds of VOCs removed, is reflective of the lower influent concentration rates, resulting from the ongoing cleanup efforts.

2.2.2 Sub-slab Depressurization Systems

There are no sub-slab depressurization systems in or around the Site. If a building is constructed onsite, the environmental easement requires a sub-slab depressurization systems to be in place.

2.2.3 Groundwater Monitoring Well Network

Completion of the Site remedy requires the groundwater quality to be remediated to meet the NYSDEC Class GA groundwater standards (NYSDEC 1998) to the extent practicable. Monitoring of the groundwater well network indicates that VOC contamination remains above the Class GA groundwater standards.

The groundwater monitoring wells and piezometers were observed during sampling events under the LTGM program. Sampling of the groundwater monitoring well network has occurred annually since 2020. Groundwater samples were collected and analyzed for VOCs using the Environmental Protection Agency's method 8260 and compared to the applicable Class GA standards. A summary of the analytical results is included in Section 3.2.1 of this report. The complete analytical results from the 2022 LTGM is provided in the 2022 Groundwater Sampling and Analysis Report included in Appendix D. The inspections indicated that the wells and piezometers remain in working condition.

2.3 Institutional Controls/Engineering Controls Certification

The completed IC/EC Certification form for the Site and associated SVE remedial treatment system is provided in Enclosure 1 of this report.

3 General Status of Remedial Treatment Equipment and Replacement Program

Operation and maintenance for the Site is performed on a monthly basis by NYSDEC's OM&M subcontractor, Nature's Way. In the event of a major component system malfunction, power outage, or system shutdown, an auto-dialer on the treatment system alerts Nature's Way, NYSDEC, and E & E.

When equipment repairs are required, Nature's Way reports them to NYSDEC and E & E. Information regarding the repairs performed on the remedial systems is provided by Nature's Way in the monthly OM&M report submitted to NYSDEC.

Analytical services for groundwater and air analyses for the SVE system were provided by Eurofins Test America, Inc., of Buffalo, New York, and Pace Analytical Services of East Longmeadow, Massachusetts, for the certification period. Analytical sampling of the SVE remedial treatment system, SVE wells, and the groundwater monitoring wells and piezometers is performed in accordance with the SMP (E & E 2019).

Equipment is inspected on a monthly basis and/or as needed. The need for system adjustments, equipment repair, or equipment replacement is evaluated at that time.

3.1 Staubs Textile Services Soil Vapor Extraction Remedial Treatment System Condition, Replacement, and Repairs

Major components of the SVE remedial treatment system, including the SVE wells, blower, manual dilution valve, catalytic oxidizer, knockout (moisture separator) tank, and associated piping, continue to operate at a high rate of efficiency because of the monthly monitoring and maintenance program. In particular, regular emptying of the knockout tank has extended the system's ability to operate efficiently with minimal disturbance to the system's runtime. The knockout tank fills with water pulled from the SVE well network and must be periodically emptied. The system will shut down if the tank is full. A full knockout tank caused system shutdowns prior to O&M visits on February 17,

March 24, March 31, and April 3, 2023. The knockout tank was emptied on the system shutdown dates, as well as on December 20, 2022, and March 17 and May 5 of 2023. Water from the knockout tank was drained into metal drums for disposal later. The system remained operational between the system shutdown dates identified above, and a total of 210.7 lbs. of VOCs were removed throughout the 2022 – 2023 reporting period.

The SVE well network remains in working condition.

The repair and replacement work performed on the Site's SVE remedial treatment system from June 2022 through May 2023 is included in the monthly operation and maintenance reports in Appendix B.

3.2 Groundwater Monitoring Well Network

The groundwater monitoring well network remains in operable condition. Well construction details for the individual wells sampled as part of the LTGM program for the Site are provided in Table 3-1.

3.2.1 Long-Term Groundwater Monitoring

Sampling was performed by E & E personnel for the LTGM program from September 27 through 30, 2022, and on October 12, 2022, for the reporting period.

3.2.1.1 Well Purging and Sampling Procedures

Prior to sampling, the monitoring wells and piezometers were purged of a minimum of three well volumes from each well. The monitoring wells were purged using a submersible pump with new or dedicated polyethylene tubing or disposable polyethylene bailers on new polypropylene line. Prior to purging, static water levels were measured to within ±0.01 foot in each well using a Solinst water level meter. This method is used due to low recovery in the shallower wells and avoiding pulling in stale water above the pump and/or inside the casing in wider/deeper wells, and sampling has been done this way since the remedial investigation. Low-flow sampling is not necessary for VOC sampling since the effects of turbidity on VOC samples are negligible, so the three well volume purge method is used to obtain the most representative sample results.

Purged water from the monitoring wells was containerized and stored at the onsite treatment facility for eventual disposal offsite. Periodically during purging, water quality parameters were collected, including pH, temperature, conductivity, and oxidation-reduction potential, using a Myron 6P multiparameter water quality meter and turbidity using a LaMotte 2020 turbidity meter for monitoring purposes. Purging was performed until pH, specific conductance, and temperature had stabilized and turbidity was 50 nephelometric turbidity units or less. Purge records are provided in the 2022 Groundwater Sampling and Analysis Report in Appendix D.

Table 3-1 Monitoring Well Construction Details, Staubs Textile Services Site

Monitoring Well ID	Total Depth of Well (ft TOIC)	Well Location	Coordinates of Well (Northing, Easting)[1]	Well Diameter (inches)	Elevation (feet NAVD 88)			
					Casing	Riser	Top Screen	Bottom Screen of Well
PZ-6	15.00	Onsite	1153407.9, 1414081.6	1.0	507.24	507.01	495.01	485.01
MW-1	23.40	Down-gradient	1153483.3, 1414312.0	2.0	506.10	505.83	--	--
MW-05	34.15	Onsite	1153381.2, 1414259.4	4.0	507.17	506.90	NA	470.90
MW-06	35.52	Up-gradient	1153267.9, 1414287.5	4.0	508.60	508.26	NA	470.26
MW-07	38.83	Onsite	1153335.6, 1414324.0	2.0	506.87	506.61	476.61	466.61
MW-08	36.60	Onsite	1153431.9, 1414142.3	4.0	506.25	505.91	NA	467.91
MW-09	35.35	Down-gradient	1153477.5, 1414317.6	4.0	505.95	505.65	NA	470.65
SB-50	23.50	Onsite	1153444.5, 1414137.6	--	506.23	NA	--	--
OU2-PZ-1	N/A	Down-gradient	1153808.0, 1414778.6	--	506.75	506.60	--	--
OU2-PZ-2	12.60	Down-gradient	1153427.5, 1414654.0	--	496.25	495.95	--	--
OU2-PZ-3	18.04	Down-gradient	1153517.9, 1414911.4	--	495.24	495.09	--	--
OU2-PZ-4	21.90	Down-gradient	1153677.6, 1414395.5	--	504.34	504.03	--	--
MW-08D	60.62	Onsite	1153437.9, 1414140.4	4.0	506.28	505.90	NA	445.90
MW-09D	61.05	Down-gradient	1153467.5, 1414324.3	4.0	505.78	505.22	NA	445.22
MW-10D	61.47	Down-gradient	1153565.2, 1414180.2	4.0	507.30	506.98	NA	445.98
MW-1 (offsite)	18.70	Down-gradient	1153746.8, 1415439.7	–	493.82	493.60	–	–
MW-4A	17.95	Down-gradient	1153739.3, 1415478.7	–	493.61	493.39	–	–

Note: Northing and Easting coordinates are in the North American Datum 83 (2011) datum, New York State Plane Coordinate System, West Zone.
Key: NA = the information is not available; MW = monitoring well; NAVD = North American Vertical Datum; -- = the information could not be found.

The samples collected as part of the LTGM program were analyzed for VOCs by Pace Analytical Laboratory using the Environmental Protection Agency's method 8260C.

3.2.1.2 Quality Assurance and Quality Control

Field duplicate, matrix spike/matrix spike duplicate, and rinsate blank samples were collected for quality assurance/control purposes. Independent data validation of the analytical results was performed by E & E. No issues were noted that affected the validity of the groundwater analytical results.

3.2.1.3 Long-Term Groundwater Monitoring Results

Analytical results from the LTGM sampling are presented in the 2022 Groundwater Sampling and Analysis Report including summary tables and analytical data packages (see Appendix D). Groundwater elevation isopleths contour maps were created to show groundwater flow and can be found in Appendix D.

2022 Analytical Results for VOCs

A summary of the annual LTGM analytical results is below:

- Overburden exceedances of contaminants of concern were located in PZ-06 and SB-50. PZ-06 contained exceedances for cis-1,2-dichloroethylene (5.0 micrograms per liter [µg/L]) and tetrachloroethylene (10 µg/L). SB-50 contained exceedances for vinyl chloride (7.2 µg/L).
- The bedrock exceedances for cis-1,2-dichloroethylene were located in monitoring wells (MWs) 05 (21,000 µg/L), MW-06 (14,000 µg/L), MW-07 (12,000 µg/L), MW-08 (6,700 µg/L), and MW-09 (4,300 µg/L).
- The highest bedrock exceedance for PCE was located in MW-06 at 140,000 µg/L. Exceedances of PCE were also present at MW-05 (130,000 µg/L), MW-07 (2,900 µg/L), MW-08 (750 µg/L) and MW-09 (1,600 µg/L).
- The highest bedrock exceedance for TCE was located in MW-05 at 6,700 µg/L. TCE was also present in wells MW-06 (5,300 µg/L), MW-07 (2,300 µg/L), MW-08 (1,100 µg/L) and MW-09 (1,600 µg/L).
- The highest bedrock exceedance for vinyl chloride was located in MW-07 at 2,100 µg/L. Exceedances of vinyl chloride were also present in wells MW-06 (690 µg/L), MW-08 (700J µg/L), and MW-09 (430 µg/L).
- MW-09D was the only deep bedrock well with an exceedance of contaminants of concern, with a PCE concentration of 48 µg/L.

4 Annual Remedial Action Costs

The total annual costs for work performed by E & E from June 2022 through May 2023, including the individual operating units, are summarized in Table 4-1.

Table 4-1 June 2022 to May 2023 Remedial Action Costs, Staubs Textile Services Site

Task Description	Cost
A. LTGM Program	
E & E Field Sampling Program and Reporting	$42,517
Subcontracted – National Vacuum	$12,426
Subtotal A:	**$54,943**
B. PRR	
E & E Admin and Reporting	$36,649
Subtotal B:	**$36,649**
C. SVE System Operations, Maintenance and Monitoring Services	
Subcontracted - OM&M Services	$78,855
Subcontracted - Analytical Services (OM&M, GW, and SVE)	$30,054
Utilities - Electric and Gas	$54,900
E & E Admin and Reporting	$6,918
Subtotal C:	**$ 170,727**
Grand Total (Items A-C)	**$ 262,319**

Key: E & E = Ecology and Environment Engineering and Geology, P.C.; LTGM = long-term groundwater monitoring; O&M = Operations, Maintenance and Monitoring; PPR = Periodic Review Report; SVE = soil vapor extraction, GW = Groundwater

5 Green Remediation Actions

DEC Program Policy DER-31 defines green remediation as "the practice of considering all environmental effects of remedy implementation and incorporating options to minimize the environmental footprint of the cleanup actions" (NYSDEC 2011). Green remediation covers the broad spectrum of sustainability to include remedies that minimize waste generation, increase reuse, emit fewer pollutants and greenhouse gasses, or provide positive economic and social beneficial reuse for a site.

5.1 Green Remediation Activities within 2022 to 2023 Reporting Period

- The system maintained 98% operational runtime within the reporting period. The system reliability, even in instances of high discharges, reduces the need for frequent O&M visits and ensures an efficient operation.

5.2 Future Green Remediation Considerations

The following green remediation practices are being considered for implementation on the Site:

- E & E and NYSDEC are discussing the replacement of the catalytic oxidizer unit with granular activated carbon drums or removal of treatment equipment entirely due to low influent VOC concentrations. The decision is pending the results of a system shutdown and removal of treatment technology pilot study to be performed by E & E and NYSDEC, pending approval by NYSDEC and NYSDOH. A memo describing this pilot study was submitted to NYSDEC in May 2023 (E & E 2023).

6 Actions to Advance Site Closure

Per the ROD (NYSDEC 2017) and the Explanation of Significant Difference (NYSDEC 2018), the overall goal is to remediate the Site sufficiently to meet applicable standards, criteria, and guidance values and be protective of human health and the environment. Suggested future actions or modifications to improve the individual operations and shorten the time required to attain these goals are presented below.

6.1 Conclusions

- Influent VOC concentrations have steadily decreased since the SVE remedial treatment system was put into operation in 2018, indicating that the system has been successful in removing contamination.
- Average yearly VOC removal efficiency has remained above 90 percent since continuous operation began in 2022, with the exception of July 2022 (78 percent) and September 2022 (86 percent).
- E & E and NYSDEC are discussing the replacement of the catalytic oxidizer unit with granular activated carbon drums when influent VOC concentrations are consistently below the effluent criteria presented in Table 2-1.

6.2 Recommendations

To further the remediation of the VOC contaminated soils and groundwater at the Site, E & E recommends the following actions:

- Continued operation and maintenance of the SVE treatment system and associated extraction wells and monthly OM&M influent and effluent sampling.
- Quarterly sampling of the SVE wells.
- Implementation of a pilot study to evaluate substitution of effluent treatment technology (granular activated carbon for catalytic oxidation) and/or removal of effluent treatment.
- Continue the LTGM program and evaluation of the results on an annual basis.
- Evaluate potential expansion of groundwater well monitoring network to better delineate groundwater plume.

- Continue to evaluate the SMP and submit recommended changes to the SMP based on upgrades/changes in treatment system(s) at the Site.
- Continue annual PRR reporting.

7 References

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A Site History and Custodial Records

SITE HISTORY

SITE HISTORY

STAUBS TEXTILE SERVICES SITE (NYSDEC SITE NO. 828160)

Date	Description
1910	The original part of the Staubs Textile Services building is constructed and begins operations as a uniform leasing business.
1922	William Staub of Staub & Son purchases the building.
1927	Staub & Son completes a permit to add the dry-cleaning plant.
1995	A permit is filed to build a third floor of the dry-cleaning plant.
November 1998	A 350-gallon steel/carbon steel aboveground storage tank that contained tetrachloroethene (PCE) was removed from the site.
2003	The New York State Department of Environmental Conservation (NYSDEC) reports that one 10,000-gallon underground storage tank (UST) was closed and removed from the site.
2005	Operations of the facility cease.
2011 - 2013	NYSDEC initiates a remedial investigation (RI) to further delineate and characterize the contamination at the site.
2012	An Interim Remedial Measure identifies whether USTs existed within the site building.
Aug 2013	A Soil Vapor Extraction (SVE) pilot study is conducted to evaluate its effectiveness in addressing the onsite contamination.
2015	The SVE system was removed after the conclusion of the pilot study.
2015	A feasibility study to evaluate the remedial alternatives that could be implemented to address onsite soil and soil vapor impacts is completed.
2016	NYSDEC issues a ROD to address the Operable Unit 1 soil contamination. The selected alternative is soil excavation and offsite disposal.

2017	During the Remedial Design Investigation process, the excavation limits expand based on the predesign investigation sampling results. A new remedy is proposed that includes installation of an SVE system after the targeted removal of the small volume of contaminated soil.
March 2017	On March 16, 2017, NYSDEC completes an Order of Consent and Administrative Settlement with Circle Street Development, LLC, to remediate the site.
Fall 2017	The site buildings are demolished by the Pike Company.
February 2018	An Explanation of Significant Difference explaining the decision for the new remedy is issued.
April 2018	Construction of the remedial design begins in April 2018 and ends December 2018.
December 2018	The SVE system is started in December 2018 to identify the optimum operational conditions.
April 2019	The SVE system begins operating continuously.
March 2019	NYSDEC places an Environmental Easement on the property. It is recorded with the Monroe County Clerk's office.
September 2019	NYSDEC approves a Site Management Plan (SMP) for the Site, which includes long-term groundwater monitoring, existing asphalt cover maintenance, operation, and maintenance of the SVE treatment system and a prohibition of groundwater for portable use.
September 2020	The 2020 Annual Groundwater sampling event is completed in accordance with the September 2019 SMP.
September 2021	The 2021 Annual Groundwater sampling event is completed in accordance with the September 2019 SMP.
September 2022	The 2022 Annual Groundwater sampling event is completed in accordance with the September 2019 SMP.

CUSTODIAL RECORD

CUSTODIAL RECORD/PERTINENT SITE DOCUMENTS

STAUBS TEXTILE SERVICES SITE (NYSDEC SITE NO. 828160)

Passero Associates. 2009. Phase I Environmental Site Assessment, Historic Staubs Textile Services, Inc. March 2009.

Shaw Environmental and Infrastructure Engineering of New York, P.C. (Shaw). 2013. *IRM No. 1, Construction Completion Report, UST Removal/Closure.* Staubs Textile Services, Inc., 935-951 East Main Street, Rochester, Monroe County, New York, Site Number 828160. Prepared for the New York State Department of Environmental Conservation. April 2013.

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Shaw. 2015. *Final Feasibility Study Report, Rev. 1. Staubs Textile Services, 935-951 East Main Street, Rochester, Monroe County, New York, Site Number 828160*. Prepared for the New York State Department of Environmental Conservation. September 2015.

Shaw. 2015. *IRM No. 2 Construction Completion Report, Source Area Removal. IRM for Staubs Textile Services, Inc. Site, 935-951 East Main Street, Rochester, Monroe County, New York, Site Number 828160*. Prepared for the New York State Department of Environmental Conservation. September 2015.

Ecology and Environment Engineering, P.C. (EEEPC) 2017. *OU1 Remedial Investigation Report for the Staubs Textile Services, Inc. Site, Rochester, Monroe County, New York.* March 2017.

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Ecology and Environment Engineering, P.C. (EEEPC), 2018. *Contract Documents for Staubs Textile Services Site Remediation.* Prepared for the New York State Department of Environmental Conservation, Division of Environmental Remediation. April 2018.

New York State Department of Environmental Conservation (NYSDEC). 2018. *Explanation of Significant Difference, Operable Unit Number:01, Staubs Textile Services, Inc.* February 2018.

New York State Department of Environmental Conservation (NYSDEC). 2018. *Record of Decision, Staubs Textile Services, Inc., Operable Unit Number 02: Groundwater and Off-Site Soil Vapor Intrusion, State Superfund Project, Rochester, Monroe County, Site No. 828160.* March 2018.

Ecology and Environment Engineering and Geology, P.C. (E & E). 2019. *Final Site Management Plan for the Staubs Textile Services, Inc. Site, City of Rochester, Monroe County, New York*. September 2019.

Ecology and Environment Engineering and Geology, P.C. (E & E). 2019. *Final Engineering Report for the Staubs Textile Services, Inc. Site, City of Rochester, Monroe County, New York*. August 2020.

B

Monthly OM&M Groundwater Treatment System Reporting

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O&M SITE VISIT

CONTRACTOR:

DATE:	6/20/22	**TECHNICIANS(S):**	Ryan Glass, Derek
SITE NAME:	Staubs Textile Services, Inc.	**SIGNATURE(S):**	[illegible]
NYSDEC SITE ID NO.:	828160		
ADDRESS:	935-951 East Main Street Rochester NY 14605	**AFFILIATION:**	NW Contracting
PROJECT NO.:	18-035	**TIME ON SITE:**	6:30
Monthly Sampling:		**TIME OFF SITE:**	
Quarterly Sampling:	✓	**WEATHER CONDITIONS:**	Sunny 70°
Service Call:			

SYSTEM STATUS

General System and Site Conditions:

Maintenance and Monitoring Information			**Comments**
System Operational on Arrival:	Yes ✓	No	
System Operational on Departure:	Yes ✓	No	
Oil and Lube Motors:	Yes ✓	No	
Clean Inlet Filters (All 3):	Yes ✓	No	
Collect Vapor Samples:	Yes ✓	No	
Collect Groundwater Samples:	Yes	No ✗	
Check/Drain separator:	Yes ✗	No	

GENERAL ISSUES

ISSUE	**COMMENTS, PROBLEMS, RECOMMENDED CORRECTIVE ACTIONS**
HEALTH AND SAFETY	Good
HOUSEKEEPING	13 Drums on Site. for Disposal
SITE SECURITY	Good.
WASTE MANAGEMENT	13 Drums on Site for Disposal
OTHER	

Volt/Amp Monitoring Points

	Hz	**Amperage**	
Line One	50	13	
Line Two			
Blower			
Total			

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O & M SITE VISIT

DATE: 6/20/22

SITE NAME: Staubs Textile Services

TIME OF MEASUREMENTS: Morning

SYSTEM READINGS						
			Reading			
Identifier	Location	Measurement	Pre	Post	Units	Comment
SVE-1	At well head	Vacuum	-26	-26	inches H_2O	DTW 11.90
		Total VOC[1]	2.1	0.0	ppm	
SVE-2	At well head	Vacuum	-26	-27	inches H_2O	DTW 10.6
		Total VOC[1]	0.0	1.6	ppm	
SVE-3	At well head	Vacuum	-25	-25	inches H_2O	DTW 12.0
		Total VOC[1]	0.0	0.0	ppm	
SVE-4	At well head	Vacuum	-23	-27	inches H_2O	DTW 9.95
		Total VOC[1]	0.0	0.0	ppm	
SVE-5	At well head	Vacuum	-26	-27	inches H_2O	DTW 8.3
		Total VOC[1]	0.0	0.0	ppm	
SVE-6	At well head	Vacuum	-26	-26	inches H_2O	DTW 9.98
		Total VOC[1]	0.0	0.0	ppm	
SVE-7	At well head	Vacuum	-22	-27	inches H_2O	DTW 9.50
		Total VOC[1]	0.7	0.0	ppm	
SVE-8	At well head	Vacuum	-25	-27	inches H_2O	DTW 10.15
		Total VOC[1]	0.0	0.0	ppm	
SVE-9	At well head	Vacuum	13	-15	inches H_2O	DTW 10.9 ½ open
		Total VOC[1]	0.0	0.0	ppm	
SVE-10	At well head	Vacuum	15-17	-28	inches H_2O	DTW 10.5
		Total VOC[1]	0.0	0.2	ppm	
SVE-11	At well head	Vacuum	-24	-26	inches H_2O	DTW 7.4
		Total VOC[1]	0.0	0.0	ppm	
SVE-12	At well head	Vacuum	-24	-30+	inches H_2O	DTW 6.5
		Total VOC[1]	0.0	0.1	ppm	
SVE-13	At well head	Vacuum	23	-27	inches H_2O	DTW 8.20
		Total VOC[1]	0.0	0.0	ppm	
SVE-14	At well head	Vacuum	-24	-30+	inches H_2O	DTW 8.00
		Total VOC[1]	1.8	0.5	ppm	
SVE-15	At well head	Vacuum	-13	-14	inches H_2O	DTW 11.10 ½ open
		Total VOC[1]	3.1	0.1	ppm	
SVE-16	At well head	Vacuum	-23	-27	inches H_2O	DTW 7.90
		Total VOC[1]	0.0	0.3	ppm	
SVE-17	At well head	Vacuum	-21	-27	inches H_2O	DTW 10.00
		Total VOC[1]	0.0	0.0	ppm	
SVE-18	At well head	Vacuum	-24	-27	inches H_2O	DTW 11.80
		Total VOC[1]	0.0	0.0	ppm	
Influent	Influent Line to the SVE system (Manual Velocimeter)	Vacuum	120		inches H_2O	
		Air Flow rate	177		scfm	Air Pump
	PID	Total VOC	13.3		ppm	

SYSTEM READINGS						
Identifier	Location	Measurement	Reading Pre	Reading Post	Units	Comment
KOT	Knockout Tank	Volume	0		gallons	Empty
Pre- CatOx/GAC	Before treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC[1]	13.9		ppm	
		Temperature	750		°F	Per HMI Status Screen
Post - CatOx/GAC	After treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC[1]	NA		ppm	
		Temperature	750		°F	
Air Filter	Air Filter	Vacuum	90		inches H_2O	
Dilution Valve	Air Filter	Open / Close	50%		%	
Effluent	Inside the trailer	Temperature	110		°F	
		Pressure	0.4		inches H2O	
	Manual Velocimeter	Air Flowrate	303		scfm	scfm = fpm * 0 03407
Hours of Operation	Control Panel	Hours	28976		hours	
Monitoring Wells	Depth to Water (feet below top of casing)					
	PZ-06	MW-05		MW-07		MW-09
	MW-1	MW-06		MW-09		SB-50

OTHER OR GENERAL COMMENTS:

1 Indicate measurement method in comments (miniRae, colorimetric tubes, etc.)

All 3 Air Filters Checked Yes No

Louvers and Door vents Clear Yes No

Electric Meter Reading: 63882 / 280.38 KWH

NOTES:

Cleaned Door Vents

* If system adjustments are made, these should be recorded in the comments and pre and post readings should be provided

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O&M SITE VISIT

CONTRACTOR:

DATE:	8/3/22	**TECHNICIANS(S):**	Ryan Glass
SITE NAME:	Staubs Textile Services, Inc.	**SIGNATURE(S):**	Ryan Glass
NYSDEC SITE ID NO.:	828160		
ADDRESS:	935-951 East Main Street Rochester NY 14605	**AFFILIATION:**	NW Contracting
PROJECT NO.:	18-035	**TIME ON SITE:**	6:00am
Monthly Sampling:	✓	**TIME OFF SITE:**	9:00am
Quarterly Sampling:		**WEATHER CONDITIONS:**	Sunny 60's
Service Call:			

SYSTEM STATUS

General System and Site Conditions:

Maintenance and Monitoring Information			**Comments**
System Operational on Arrival:	Yes ✓	No	
System Operational on Departure:	Yes ✓	No	
Oil and Lube Motors:	Yes ✓	No	
Clean Inlet Filters (All 3):	Yes ✓	No	
Collect Vapor Samples:	Yes ✓	No	
Collect Groundwater Samples:	Yes	No ✗	
Check/Drain separator:	Yes ✓	No	

GENERAL ISSUES

ISSUE	**COMMENTS, PROBLEMS, RECOMMENDED CORRECTIVE ACTIONS**
HEALTH AND SAFETY	Good
HOUSEKEEPING	Good
SITE SECURITY	
WASTE MANAGEMENT	13 Drums on site for Disposal.
OTHER	

Volt/Amp Monitoring Points

	Hz	**Amperage**	
Line One	51.9	13.2	
Line Two			
Blower			
Total			

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O & M SITE VISIT

DATE: 8/3/22

SITE NAME: **Staubs Textile Services**

TIME OF MEASUREMENTS: 6-7 am

SYSTEM READINGS

Identifier	Location	Measurement	Reading Pre	Reading Post	Units	Comment
SVE-1	At well head	Vacuum	-24		inches H_2O	DTW - 12.61
		Total VOC[1]	0.0		ppm	
SVE-2	At well head	Vacuum	-27		inches H_2O	DTW 11.90
		Total VOC[1]	4.5		ppm	
SVE-3	At well head	Vacuum	-22		inches H_2O	DTW 12.69
		Total VOC[1]	0.0		ppm	
SVE-4	At well head	Vacuum	-26		inches H_2O	DTW 10.82
		Total VOC[1]	0.3		ppm	
SVE-5	At well head	Vacuum	-26		inches H_2O	DTW 9.35
		Total VOC[1]	0.0		ppm	
SVE-6	At well head	Vacuum	-27		inches H_2O	DTW 11.52
		Total VOC[1]	0.0		ppm	
SVE-7	At well head	Vacuum	-24		inches H_2O	DTW - 10.83
		Total VOC[1]	0.0		ppm	
SVE-8	At well head	Vacuum	-26		inches H_2O	DTW 10.72
		Total VOC[1]	0.0		ppm	
SVE-9	At well head	Vacuum	-12		inches H_2O	DTW 11.49
		Total VOC[1]	0.0		ppm	
SVE-10	At well head	Vacuum	-24		inches H_2O	DTW 10.00
		Total VOC[1]	0.0		ppm	
SVE-11	At well head	Vacuum	-28		inches H_2O	DTW 8.44
		Total VOC[1]	0.0		ppm	
SVE-12	At well head	Vacuum	-26		inches H_2O	DTW 7.78
		Total VOC[1]	0.0		ppm	
SVE-13	At well head	Vacuum	-25		inches H_2O	DTW 8.73
		Total VOC[1]	0.0		ppm	
SVE-14	At well head	Vacuum	-24		inches H_2O	DTW 8.40
		Total VOC[1]	0.0		ppm	
SVE-15	At well head	Vacuum	-10		inches H_2O	DTW 11.90
		Total VOC[1]	1.8		ppm	
SVE-16	At well head	Vacuum	-26		inches H_2O	DTW 7.63
		Total VOC[1]	0.0		ppm	
SVE-17	At well head	Vacuum	-23		inches H_2O	DTW 11.85
		Total VOC[1]	0.0		ppm	
SVE-18	At well head	Vacuum	-23		inches H_2O	DTW 11.90
		Total VOC[1]	0.0		ppm	
Influent	Influent Line to the SVE system (Manual Velocimeter)	Vacuum	100		inches H_2O	
		Air Flow rate	174		scfm	
	PID	Total VOC	22		ppm	

SYSTEM READINGS						
			Reading			
Identifier	Location	Measurement	Pre	Post	Units	Comment
KOT	Knockout Tank	Volume	0		gallons	Empty.
Pre- CatOx/GAC	Before treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC[1]			ppm	
		Temperature	750		°F	Per HMI Status Screen
Post - CatOx/GAC	After treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC[1]	0.0		ppm	
		Temperature	750		°F	
Air Filter	Air Filter	Vacuum	75		inches H_2O	
Dilution Valve	Air Filter	Open / Close	½ 50%		%	
Effluent	Inside the trailer	Temperature	105		°F	
		Pressure	0.4		inches H2O	
	Manual Velocimeter	Air Flowrate	335		scfm	scfm = fpm * 0 03407
Hours of Operation	Control Panel	Hours	22942		hours	
Monitoring Wells	Depth to Water (feet below top of casing)					
	PZ-06	MW-05		MW-07		MW-09
	MW-1	MW-06		MW-09		SB-50

OTHER OR GENERAL COMMENTS:

1. Indicate measurement method in comments (miniRae, colorimetric tubes, etc.)

All 3 Air Filters Checked Yes No

Louvers and Door vents Clear Yes No

Electric Meter Reading: 82013 311,80 KWH

NOTES:

Louvers and Door Vents had Heavy Build up. - cleaned and Reinstalled.

* If system adjustments are made, these should be recorded in the comments and pre and post readings should be provided

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O&M SITE VISIT

CONTRACTOR:

DATE:	9/26/22	TECHNICIANS(S):	Ryan Glass Derek Blumenstein
SITE NAME:	Staubs Textile Services, Inc.	SIGNATURE(S):	
NYSDEC SITE ID NO.:	828160		
ADDRESS:	935-951 East Main Street Rochester NY 14605	AFFILIATION:	NW Contractors
PROJECT NO.:	18-035	TIME ON SITE:	6:30
Monthly Sampling:		TIME OFF SITE:	
Quarterly Sampling:	X	WEATHER CONDITIONS:	rain
Service Call:			

SYSTEM STATUS

General System and Site Conditions:

Maintenance and Monitoring Information	Yes	No	Comments
System Operational on Arrival:	✓		
System Operational on Departure:	✓		
Oil and Lube Motors:	✓		
Clean Inlet Filters (All 3):	✓		
Collect Vapor Samples:		✓	
Collect Groundwater Samples:		✓	
Check/Drain separator:	✓		Empty

GENERAL ISSUES

ISSUE	COMMENTS, PROBLEMS, RECOMMENDED CORRECTIVE ACTIONS
HEALTH AND SAFETY	Good
HOUSEKEEPING	Good
SITE SECURITY	good
WASTE MANAGEMENT	good
OTHER	

Volt/Amp Monitoring Points

	Hz	Amperage	
Line One	50	13.4	36.4%
Line Two			
Blower			
Total			

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O & M SITE VISIT

DATE: 9/26/22

SITE NAME: Staubs Textile Services

TIME OF MEASUREMENTS: 700Am

SYSTEM READINGS

Identifier	Location	Measurement	Reading Pre	Reading Post	Units	Comment
SVE-1	At well head	Vacuum	-24	-26	inches H_2O	DTW 13.41
		Total VOC[1]	0.0		ppm	
SVE-2	At well head	Vacuum	-25	-26	inches H_2O	DTW 12.75
		Total VOC[1]	9.9		ppm	
SVE-3	At well head	Vacuum	-23	-24	inches H_2O	DTW 12.75
		Total VOC[1]	0.0		ppm	
SVE-4	At well head	Vacuum	-25	-26	inches H_2O	DTW 12.20
		Total VOC[1]	0.0		ppm	
SVE-5	At well head	Vacuum	-25	-24	inches H_2O	DTW 10.20
		Total VOC[1]	0.0		ppm	
SVE-6	At well head	Vacuum	-26	-26	inches H_2O	DTW 11.70
		Total VOC[1]	0.0		ppm	
SVE-7	At well head	Vacuum	-24	-25	inches H_2O	DTW 11.0
		Total VOC[1]	0.4		ppm	
SVE 8	At well head	Vacuum	-24	-24	inches H_2O	DTW 11.20
		Total VOC[1]	0.0		ppm	
SVE-9	At well head	Vacuum	-11	-11	inches H_2O	DTW 12.10
		Total VOC[1]	0.0		ppm	
SVE-10	At well head	Vacuum	-24	-23	inches H_2O	DTW 10.75
		Total VOC[1]	0.0		ppm	
SVE-11	At well head	Vacuum	-20-25	-25	inches H_2O	DTW 9.65
		Total VOC[1]	0.3		ppm	
SVE-12	At well head	Vacuum	-25	-26	inches H_2O	DTW 8.60
		Total VOC[1]	1.6		ppm	
SVE-13	At well head	Vacuum	-18-20	-24	inches H_2O	DTW 10.0
		Total VOC[1]	0.0		ppm	
SVE-14	At well head	Vacuum	-25	-26	inches H_2O	DTW 9.30
		Total VOC[1]	0.0		ppm	
SVE-15	At well head	Vacuum	-11	-11	inches H_2O	DTW 11.50 Fully closed
		Total VOC[1]	0.0		ppm	
SVE-16	At well head	Vacuum	-24	-26	inches H_2O	DTW 9.20
		Total VOC[1]	0.0		ppm	
SVE-17	At well head	Vacuum	-23	-24	inches H_2O	DTW 10.5
		Total VOC[1]	0.0		ppm	
SVE-18	At well head	Vacuum	-23	-22	inches H_2O	DTW 11.90
		Total VOC[1]	0.0		ppm	
Influent	Influent Line to the SVE system (Manual Velocimeter)	Vacuum	95		inches H_2O	DTW
		Air Flow rate	152		scfm	
	PID	Total VOC	62.2		ppm	

SYSTEM READINGS

Identifier	Location	Measurement	Reading Pre	Reading Post	Units	Comment
KOT	Knockout Tank	Volume	0		gallons	
Pre- CatOx/GAC	Before treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC*	69		ppm	
		Temperature	750		°F	Per HMI Status Screen
Post - CatOx/GAC	After treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC*	0.7		ppm	
		Temperature	775		°F	
Air Filter	Air Filter	Vacuum	-70		inches H_2O	
Dilution Valve	Air Filter	Open / Close	50%		%	
Effluent	Inside the trailer	Temperature	100		°F	
		Pressure	0.4		inches H2O	
	Manual Velocimeter	Air Flowrate	310		scfm	scfm = fpm * 0 03407
Hours of Operation	Control Panel	Hours	24235.9		hours	
Monitoring Wells	Depth to Water (feet below top of casing)					
	PZ-06	MW-05		MW-07		MW-09
	MW-1	MW-06		MW-09		SB-50

OTHER OR GENERAL COMMENTS:

1. Indicate measurement method in comments (miniRae, colorimetric tubes, etc.)

All 3 Air Filters Checked (Yes) No

Louvers and Door vents Clear (Yes) No

Electric Meter Reading: 4828 / 361.49 KWH

NOTES:

* If system adjustments are made, these should be recorded in the comments and pre and post readings should be provided

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O&M SITE VISIT

CONTRACTOR:

DATE:	10/14/22	TECHNICIANS(S):	Ryan Glass
SITE NAME:	Staubs Textile Services, Inc.	SIGNATURE(S):	[signature]
NYSDEC SITE ID NO.:	828160		
ADDRESS:	935-951 East Main Street Rochester NY 14605	AFFILIATION:	NW Contracting
PROJECT NO.:	18-035	TIME ON SITE:	6:30 am
Monthly Sampling:	✓	TIME OFF SITE:	
Quarterly Sampling:		WEATHER CONDITIONS:	Cool
Service Call:			

SYSTEM STATUS

General System and Site Conditions:

Maintenance and Monitoring Information	Yes	No	Comments
System Operational on Arrival:	X		
System Operational on Departure:			
Oil and Lube Motors:	X		
Clean Inlet Filters (All 3):	X		
Collect Vapor Samples:	X		
Collect Groundwater Samples:		X	
Check/Drain separator:	X		

GENERAL ISSUES

ISSUE	COMMENTS, PROBLEMS, RECOMMENDED CORRECTIVE ACTIONS
HEALTH AND SAFETY	Good.
HOUSEKEEPING	Good.
SITE SECURITY	Good
WASTE MANAGEMENT	8 55 gal drums from monitoring well sampling on site.
OTHER	

Volt/Amp Monitoring Points

	Hz	Amperage	
Line One	50.4	13.4	36.5 %
Line Two			
Blower			
Total			

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O & M SITE VISIT

DATE: 10/14/22

SITE NAME: Staubs Textile Services

TIME OF MEASUREMENTS: Morning

SYSTEM READINGS

Identifier	Location	Measurement	Reading Pre	Reading Post	Units	Comment
SVE-1	At well head	Vacuum	-25		inches H_2O	DTW 13.51
		Total VOC[1]	0.0		ppm	
SVE-2	At well head	Vacuum	-25		inches H_2O	DTW 13.01
		Total VOC[1]	9.7		ppm	
SVE-3	At well head	Vacuum	-22		inches H_2O	DTW 12.76
		Total VOC[1]	0.0		ppm	
SVE-4	At well head	Vacuum	-25		inches H_2O	DTW 12.38
		Total VOC[1]	0.3		ppm	
SVE-5	At well head	Vacuum	-25		inches H_2O	DTW 10.51
		Total VOC[1]	0.0		ppm	
SVE-6	At well head	Vacuum	-25		inches H_2O	DTW 11.98
		Total VOC[1]	0.2		ppm	
SVE-7	At well head	Vacuum	-24		inches H_2O	DTW 11.03
		Total VOC[1]	5.2		ppm	
SVE-8	At well head	Vacuum	20-24		inches H_2O	DTW 11.38
		Total VOC[1]	0.2		ppm	
SVE-9	At well head	Vacuum	10		inches H_2O	DTW 12.48
		Total VOC[1]	0.0		ppm	
SVE-10	At well head	Vacuum	20-24		inches H_2O	DTW 10.10
		Total VOC[1]	0.0		ppm	
SVE-11	At well head	Vacuum	-25		inches H_2O	DTW 9.73
		Total VOC[1]	0.0		ppm	
SVE-12	At well head	Vacuum	-24		inches H_2O	DTW 8.60
		Total VOC[1]	0.0		ppm	
SVE-13	At well head	Vacuum	-25		inches H_2O	DTW 9.68
		Total VOC[1]	0.0		ppm	
SVE-14	At well head	Vacuum	-24		inches H_2O	DTW 9.15
		Total VOC[1]	0.0		ppm	
SVE-15	At well head	Vacuum			inches H_2O	DTW
		Total VOC[1]			ppm	
SVE-16	At well head	Vacuum	-24		inches H_2O	DTW 9.01
		Total VOC[1]	0.0		ppm	
SVE-17	At well head	Vacuum	-22		inches H_2O	DTW 10.00
		Total VOC[1]	0.0		ppm	
SVE-18	At well head	Vacuum	-24		inches H_2O	DTW 12.21
		Total VOC[1]	0.0		ppm	
Influent	Influent Line to the SVE system (Manual Velocimeter)	Vacuum	95		inches H_2O	
		Air Flow rate	138		scfm	
	PID	Total VOC	51.4		ppm	

Air Pump on Influent Sample Port

10/14/22

SYSTEM READINGS						
Identifier	Location	Measurement	Reading Pre	Reading Post	Units	Comment
KOT	Knockout Tank	Volume	Empty	0	gallons	
Pre- CatOx/GAC	Before treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC[1]	74.8		ppm	
		Temperature	775		°F	Per HMI Status Screen
Post - CatOx/GAC	After treatment (CatOx or GAC)	~~Vacuum~~ Pressure	N/A	N/A	inches H2O	
		Total VOC[1]	0.0		ppm	
		Temperature			°F	
Air Filter	Air Filter	Vacuum	55		inches H_2O	
Dilution Valve	Air Filter	Open / Close	½	50 %	%	
Effluent	Inside the trailer	Temperature	90		°F	
		Pressure	0.4		inches H2O	
	Manual Velocimeter	Air Flowrate	316		scfm	scfm = fpm * 0 03407
Hours of Operation	Control Panel	Hours	24658.6		hours	
Monitoring Wells	Depth to Water (feet below top of casing)					
	PZ-06	MW-05		MW-07		MW-09
	MW-1	MW-06		MW-09		SB-50

OTHER OR GENERAL COMMENTS:

1. Indicate measurement method in comments (miniRae, colorimetric tubes, etc.)

All 3 Air Filters Checked (Yes) No

Louvers and Door vents Clear (Yes) No

Electric Meter Reading: 12397 / 361.49 KWH

NOTES:

* If system adjustments are made, these should be recorded in the comments and pre and post readings should be provided

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O&M SITE VISIT

CONTRACTOR:

DATE:	11/22/22	TECHNICIANS(S):	Ryan Glass
SITE NAME:	Staubs Textile Services, Inc.	SIGNATURE(S):	[signature]
NYSDEC SITE ID NO.:	828160		
ADDRESS:	935-951 East Main Street Rochester NY 14605	AFFILIATION:	NW Contracting
PROJECT NO.:	18-035	TIME ON SITE:	6:45
Monthly Sampling:	✓	TIME OFF SITE:	12:30
Quarterly Sampling:		WEATHER CONDITIONS:	35° Sunny
Service Call:			

SYSTEM STATUS

General System and Site Conditions:

Maintenance and Monitoring Information	Yes	No	Comments
System Operational on Arrival:	X		
System Operational on Departure:			
Oil and Lube Motors:	X		
Clean Inlet Filters (All 3):	X		
Collect Vapor Samples:	X		
Collect Groundwater Samples:		X	
Check/Drain separator:	X		

GENERAL ISSUES

ISSUE	COMMENTS, PROBLEMS, RECOMMENDED CORRECTIVE ACTIONS
HEALTH AND SAFETY	
HOUSEKEEPING	Cleaned up leaves in fenced area.
SITE SECURITY	
WASTE MANAGEMENT	8 Drums on site.
OTHER	Purge Water + Garbage.

Volt/Amp Monitoring Points

	Hz	Amperage	
Line One	50	13.3	36.8 %
Line Two			
Blower			
Total			

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O & M SITE VISIT

DATE: 11/22/22

SITE NAME: Staubs Textile Services

TIME OF MEASUREMENTS: Mid Morning

SYSTEM READINGS						
Identifier	Location	Measurement	Reading Pre	Reading Post	Units	Comment
SVE-1	At well head	Vacuum	23		inches H_2O	DTW 13.45
		Total VOC[1]	0.5		ppm	
SVE-2	At well head	Vacuum	25		inches H_2O	DTW 13.68
		Total VOC[1]	52.10		ppm	
SVE-3	At well head	Vacuum	21		inches H_2O	DTW 12.73
		Total VOC[1]	0.5		ppm	
SVE-4	At well head	Vacuum	25		inches H_2O	DTW 12.91
		Total VOC[1]	0.4		ppm	
SVE-5	At well head	Vacuum	24		inches H_2O	DTW 10.69
		Total VOC[1]	0.0		ppm	
SVE-6	At well head	Vacuum	24		inches H_2O	DTW 12.23
		Total VOC[1]	2.9		ppm	
SVE-7	At well head	Vacuum	23		inches H_2O	DTW 11.30
		Total VOC[1]	29.2		ppm	
SVE-8	At well head	Vacuum	16-21		inches H_2O	DTW 11.75
		Total VOC[1]	0.0		ppm	
SVE-9	At well head	Vacuum	13	12	inches H_2O	DTW 12.34
		Total VOC[1]	0.1		ppm	
SVE-10	At well head	Vacuum	NA		inches H_2O	
		Total VOC[1]			ppm	
SVE-11	At well head	Vacuum	22		inches H_2O	DTW 11.92
		Total VOC[1]	2.8		ppm	
SVE-12	At well head	Vacuum	23		inches H_2O	DTW 8.62
		Total VOC[1]	0.0		ppm	TD 8.8
SVE-13	At well head	Vacuum	15-20		inches H_2O	DTW 10.25
		Total VOC[1]	0.0		ppm	
SVE-14	At well head	Vacuum	8-21		inches H_2O	DTW 9.64
		Total VOC[1]	0.0		ppm	
SVE-15	At well head	Vacuum	2	12	inches H_2O	DTW 12.15
		Total VOC[1]	0.2		ppm	
SVE-16	At well head	Vacuum	23		inches H_2O	DTW 9.35
		Total VOC[1]	0.0		ppm	
SVE-17	At well head	Vacuum	15-23		inches H_2O	DTW 10.90
		Total VOC[1]	0.0		ppm	
SVE-18	At well head	Vacuum	21		inches H_2O	DTW 11.03
		Total VOC[1]	0.0		ppm	
Influent	Influent Line to the SVE system (Manual Velocimeter)	Vacuum	65		inches H_2O	
		Air Flow rate	153		scfm	
	PID	Total VOC	41.1		ppm	

11/22/22

SYSTEM READINGS						
			Reading			
Identifier	Location	Measurement	Pre	Post	Units	Comment
KOT	Knockout Tank	Volume			gallons	
Pre- CatOx/GAC	Before treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC[1]	48.1		ppm	
		~~Temperature~~			°F	Per HMI Status Screen
Post - CatOx/GAC	After treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC[1]	0.0		ppm	
		Temperature			°F	
Air Filter	Air Filter	Vacuum	55		inches H_2O	
Dilution Valve	Air Filter	Open / Close	58		%	
Effluent	Inside the trailer	Temperature	98		°F	
		Pressure	.3		inches H2O	
	Manual Velocimeter	Air Flowrate	296		scfm	scfm = fpm * 0 03407
Hours of Operation	Control Panel	Hours	25596		hours	
Monitoring Wells	Depth to Water (feet below top of casing)					
	PZ-06	MW-05		MW-07		MW-09
	MW-1	MW-06		MW-09		SB-50

OTHER OR GENERAL COMMENTS:

1 Indicate measurement method in comments (miniRae, colorimetric tubes, etc.)

All 3 Air Filters Checked Yes No

Louvers and Door vents Clear Yes No

Electric Meter Reading: 29639 KWH

423.21

NOTES:

* If system adjustments are made, these should be recorded in the comments and pre and post readings should be provided

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O&M SITE VISIT

CONTRACTOR:

DATE:		TECHNICIANS(S):	Ryan Glass	
SITE NAME:	Staubs Textile Services, Inc.	SIGNATURE(S):	Ryan Glass	
NYSDEC SITE ID NO.:	828160	AFFILIATION:	12/19	12/20
ADDRESS:	935-951 East Main Street Rochester NY 14605	TIME ON SITE:	6:30 am	6:30 am
PROJECT NO.:	18-035	TIME OFF SITE:	3:30 pm	1:00 pm
Monthly Sampling:	✓	WEATHER CONDITIONS:	30°	
Quarterly Sampling:	✓			
Service Call:				

SYSTEM STATUS

General System and Site Conditions:

Maintenance and Monitoring Information	Yes	No	Comments
System Operational on Arrival:	X		
System Operational on Departure:	X		
Oil and Lube Motors:	X		
Clean Inlet Filters (All 3):	X		
Collect Vapor Samples:	X		
Collect Groundwater Samples:		X	
Check/Drain separator:	X		

GENERAL ISSUES

ISSUE	COMMENTS, PROBLEMS, RECOMMENDED CORRECTIVE ACTIONS
HEALTH AND SAFETY	Good
HOUSEKEEPING	Good
SITE SECURITY	Good
WASTE MANAGEMENT	Good
OTHER	

Volt/Amp Monitoring Points

	Hz	Amperage	
Line One	50	37	38%
Line Two			
Blower			
Total			

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O & M SITE VISIT

DATE: 12/19/22 - 12/20/22

SITE NAME: Staubs Textile Services

TIME OF MEASUREMENTS: Morning

Final Vacuum Readings 12/20/22

SYSTEM READINGS

Identifier	Location	Measurement	Reading Pre	Reading Post	Units	Comment	
SVE-1	At well head	Vacuum	-21 -25	16-18	inches H_2O	DTW 13.45	-25
		Total VOC[1]	0.0		ppm		
SVE-2	At well head	Vacuum	-25	-16-20	inches H_2O	DTW 13.70	-25
		Total VOC[1]	28.9		ppm		
SVE-3	At well head	Vacuum	-22	-15	inches H_2O	DTW 12.75	-23
		Total VOC[1]	0.0		ppm		
SVE-4	At well head	Vacuum	-22	16-20	inches H_2O	DTW 12.98	-26
		Total VOC[1]	2.8		ppm		
SVE-5	At well head	Vacuum	-21-26	-12-18	inches H_2O	DTW 10.63	-26
		Total VOC[1]	0.0		ppm		
SVE-6	At well head	Vacuum	-25	-16-20	inches H_2O	DTW 12.20	-25
		Total VOC[1]	0.0		ppm		
SVE-7	At well head	Vacuum	-24-26	-14-20	inches H_2O	DTW 11.21	-26
		Total VOC[1]	53.4		ppm		
SVE-8	At well head	Vacuum	-19-25	-12-16	inches H_2O	DTW 11.75	-24
		Total VOC[1]	0.0		ppm		
SVE-9	At well head	Vacuum	-12	-12	inches H_2O	DTW 12.24	-12 Half Open
		Total VOC[1]	0.0		ppm		
SVE-10	At well head	Vacuum	-9-14	-12	inches H_2O	DTW 11.05	-23
		Total VOC[1]	0.0		ppm		
SVE-11	At well head	Vacuum	-13-18	15-17	inches H_2O	DTW 10.25	-24
		Total VOC[1]	3.6		ppm		
SVE-12	At well head	Vacuum	-18-22	12-17	inches H_2O	DTW 9.0	-24
		Total VOC[1]	0.0		ppm		
SVE-13	At well head	Vacuum	-12-15	12-15	inches H_2O	DTW 10.91	-24
		Total VOC[1]	13.1		ppm		
SVE-14	At well head	Vacuum	-10	9-16	inches H_2O	DTW 9.81	-24
		Total VOC[1]	395		ppm		
SVE-15	At well head	Vacuum	-6	-12	inches H_2O	DTW 11.42	-12 Half open
		Total VOC[1]	0.0		ppm		
SVE-16	At well head	Vacuum	-15-21	10-15	inches H_2O	DTW 9.39	-23
		Total VOC[1]	0.0		ppm		
SVE-17	At well head	Vacuum	-12-18	8-15	inches H_2O	DTW 11.03	-23
		Total VOC[1]	0.0		ppm		
SVE-18	At well head	Vacuum	-12-18	10-15	inches H_2O	DTW 12.25	-23
		Total VOC[1]	0.0		ppm		
Influent	Influent Line to the SVE system (Manual Velocimeter)	Vacuum	-60		inches H_2O		
		Air Flow rate	146		scfm		
	PID	Total VOC	53		ppm		

12/20/22

SYSTEM READINGS						
Identifier	Location	Measurement	Reading Pre	Reading Post	Units	Comment
KOT	Knockout Tank	Volume			gallons	
Pre- CatOx/GAC	Before treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC[1]	53		ppm	
		Temperature	75		°F	Per HMI Status Screen
Post - CatOx/GAC	After treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC[1]	2.5		ppm	
		~~Temperature~~	NA		°F	
Air Filter	Air Filter	Vacuum	40		inches H_2O	
Dilution Valve	Air Filter	Open / Close	50 %		%	
Effluent	Inside the trailer	Temperature	80		°F	
		Pressure	0.3		inches H2O	
	Manual Velocimeter	Air Flowrate	330		scfm	scfm = fpm * 0 03407
Hours of Operation	Control Panel	Hours	26243.7		hours	
Monitoring Wells	Depth to Water (feet below top of casing)					
	PZ-06	MW-05		MW-07		MW-09
	MW-1	MW-06		MW-09		SB-50

OTHER OR GENERAL COMMENTS:

1. Indicate measurement method in comments (miniRae, colorimetric tubes, etc.)

All 3 Air Filters Checked (Yes) No

Louvers and Door vents Clear (Yes) No

Electric Meter Reading: 41876 / 444.60 KWH

NOTES:

* If system adjustments are made, these should be recorded in the comments and pre and post readings should be provided

12/20/22

Purged lines of water.
Generated 1 Drum (aprox 50 gal of water)
Vacuum readings steady after start up. -30
Adjusted dilution valve. SVE 1-18 all aprox -25

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O&M SITE VISIT

CONTRACTOR:

DATE:	1/16/23	TECHNICIANS(S):	Ryan Glass
SITE NAME:	Staubs Textile Services, Inc.		
NYSDEC SITE ID NO.:	828160	SIGNATURE(S):	Ryan Glass
ADDRESS:	935-951 East Main Street Rochester NY 14605	AFFILIATION:	NW Contracting
PROJECT NO.:	18-035	TIME ON SITE:	630 am
Monthly Sampling:	✓	TIME OFF SITE:	
Quarterly Sampling:		WEATHER CONDITIONS:	cold Sunny 20°
Service Call:			

SYSTEM STATUS

General System and Site Conditions:

Maintenance and Monitoring Information	Yes	No	Comments
System Operational on Arrival:	X		
System Operational on Departure:			
Oil and Lube Motors:	X		
Clean Inlet Filters (All 3):	X		
Collect Vapor Samples:	X		
Collect Groundwater Samples:		X	
Check/Drain separator:	X		

GENERAL ISSUES

ISSUE	COMMENTS, PROBLEMS, RECOMMENDED CORRECTIVE ACTIONS
HEALTH AND SAFETY	Good
HOUSEKEEPING	Good
SITE SECURITY	
WASTE MANAGEMENT	5 out of 8 drums out side with Bulged Bottoms (at least one is empty)
OTHER	

Volt/Amp Monitoring Points

	Hz	Amperage	
Line One	50	14.2	43%
Line Two			
Blower			
Total			

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O & M SITE VISIT

DATE: 1/16/23

SITE NAME: Staubs Textile Services

TIME OF MEASUREMENTS:

SYSTEM READINGS

Identifier	Location	Measurement	Reading Pre	Reading Post	Units	Comment
SVE-1	At well head	Vacuum	23		inches H_2O	DTW 13.35
		Total VOC[1]	0.0		ppm	
SVE-2	At well head	Vacuum	25		inches H_2O	DTW 12.69
		Total VOC[1]	0.0		ppm	
SVE-3	At well head	Vacuum	22		inches H_2O	DTW 12.78
		Total VOC[1]	0.0		ppm	
SVE-4	At well head	Vacuum	24		inches H_2O	DTW 11.85
		Total VOC[1]	0.9		ppm	
SVE-5	At well head	Vacuum	25		inches H_2O	DTW 9.60
		Total VOC[1]	0.0		ppm	
SVE-6	At well head	Vacuum	22-25		inches H_2O	DTW 12.00
		Total VOC[1]	0.0		ppm	
SVE-7	At well head	Vacuum	23		inches H_2O	DTW 11.00
		Total VOC[1]	127		ppm	
SVE-8	At well head	Vacuum	22		inches H_2O	DTW 11.21
		Total VOC[1]	0.0		ppm	
SVE-9	At well head	Vacuum	12		inches H_2O	DTW 11.45
		Total VOC[1]	0.0		ppm	
SVE-10	At well head	Vacuum	15-20		inches H_2O	DTW 10.36
		Total VOC[1]	0.0		ppm	
SVE-11	At well head	Vacuum	21		inches H_2O	DTW 8.91
		Total VOC[1]	3.8		ppm	
SVE-12	At well head	Vacuum	21-25		inches H_2O	DTW 3.31
		Total VOC[1]	0.5		ppm	
SVE-13	At well head	Vacuum	20		inches H_2O	DTW 9.52
		Total VOC[1]	0.0		ppm	
SVE-14	At well head	Vacuum	18-20		inches H_2O	DTW 8.70
		Total VOC[1]	186.6		ppm	
SVE-15	At well head	Vacuum	NA		inches H_2O	
		Total VOC[1]			ppm	
SVE-16	At well head	Vacuum	25		inches H_2O	DTW 7.52
		Total VOC[1]	0.0		ppm	
SVE-17	At well head	Vacuum	18-23		inches H_2O	DTW 10.05
		Total VOC[1]	0.0		ppm	
SVE-18	At well head	Vacuum	19-23		inches H_2O	DTW 12.15
		Total VOC[1]	0.0		ppm	
Influent	Influent Line to the SVE system (Manual Velocimeter)	Vacuum	50		inches H_2O	
		Air Flow rate	146		scfm	
	PID	Total VOC	34.2		ppm	

SYSTEM READINGS						
Identifier	Location	Measurement	Reading Pre	Reading Post	Units	Comment
KOT	Knockout Tank	Volume	20		gallons	2 Drums inside Trailer
Pre- CatOx/GAC	Before treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC[1]	32.5		ppm	
		Temperature	80		°F	Per HMI Status Screen
Post - CatOx/GAC	After treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC[1]	1.2		ppm	
		Temperature	750		°F	
Air Filter	Air Filter	Vacuum			inches H_2O	
Dilution Valve	Air Filter	Open / Close	50%		%	
Effluent	Inside the trailer	Temperature	80		°F	
		Pressure	0.3		inches H2O	
	Manual Velocimeter	Air Flowrate	278		scfm	scfm = fpm * 0.03407
Hours of Operation	Control Panel	Hours	26907.6		hours	
Monitoring Wells	Depth to Water (feet below top of casing)					
	PZ-06	MW-05		MW-07		MW-09
	MW-1	MW-06		MW-09		SB-50

OTHER OR GENERAL COMMENTS:

1. Indicate measurement method in comments (miniRae, colorimetric tubes, etc.)

All 3 Air Filters Checked Yes No

Louvers and Door vents Clear Yes No

Electric Meter Reading: 55008 / 444.60 KWH

NOTES: Air filter above water knock out unplug to remove (Rusted wing nut) handfull of sand from sump in housing

* If system adjustments are made, these should be recorded in the comments and pre and post readings should be provided.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O&M SITE VISIT

CONTRACTOR:

DATE:	2/17/23	TECHNICIANS(S):	Ryan Glass
SITE NAME:	Staubs Textile Services, Inc.	SIGNATURE(S):	Ryan Glass
NYSDEC SITE ID NO.:	828160		
ADDRESS:	935-951 East Main Street Rochester NY 14605	AFFILIATION:	NW Contractors
PROJECT NO.:	18-035	TIME ON SITE:	6:30 am
Monthly Sampling:	✓	TIME OFF SITE:	
Quarterly Sampling:		WEATHER CONDITIONS:	32° Rain/Sleet
Service Call:			

SYSTEM STATUS

General System and Site Conditions:

Maintenance and Monitoring Information	Yes	No	Comments
System Operational on Arrival:	✓		
System Operational on Departure:	✓		
Oil and Lube Motors:	✓		
Clean Inlet Filters (All 3):	✓		
Collect Vapor Samples:	✓		
Collect Groundwater Samples:		✓	
Check/Drain separator:	✓		

GENERAL ISSUES

ISSUE	COMMENTS, PROBLEMS, RECOMMENDED CORRECTIVE ACTIONS
HEALTH AND SAFETY	
HOUSEKEEPING	
SITE SECURITY	
WASTE MANAGEMENT	Drums inside Trailer (from KO)
OTHER	

Volt/Amp Monitoring Points

	Hz	Amperage	
Line One	50	13.7	39.2%
Line Two			
Blower			
Total			

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O & M SITE VISIT

DATE: 2/17/23

SITE NAME: Staubs Textile Services

TIME OF MEASUREMENTS: Morning

SYSTEM READINGS

Identifier	Location	Measurement	Reading Pre	Reading Post	Units	Comment
SVE-1	At well head	Vacuum	24-28		inches H_2O	DTW 12.40
		Total VOC[1]	0.0		ppm	
SVE-2	At well head	Vacuum	28		inches H_2O	DTW 11.59
		Total VOC[1]	2.2		ppm	
SVE-3	At well head	Vacuum	24		inches H_2O	DTW 12.58
		Total VOC[1]	0.0		ppm	
SVE-4	At well head	Vacuum	26		inches H_2O	DTW 10.84
		Total VOC[1]	1.6		ppm	
SVE-5	At well head	Vacuum	20-27		inches H_2O	DTW 7.7
		Total VOC[1]	0.0		ppm	
SVE-6	At well head	Vacuum	27		inches H_2O	DTW 11.40
		Total VOC[1]	0.0		ppm	
SVE-7	At well head	Vacuum	24-27		inches H_2O	DTW 9.66
		Total VOC[1]	0.0		ppm	
SVE-8	At well head	Vacuum	20-26		inches H_2O	DTW 10.71
		Total VOC[1]	0.0		ppm	
SVE-9	At well head	Vacuum	12		inches H_2O	DTW 10.79
		Total VOC[1]	0.0		ppm	
SVE-10	At well head	Vacuum	19		inches H_2O	DTW 10.21
		Total VOC[1]	0.0		ppm	
SVE-11	At well head	Vacuum	24-27		inches H_2O	DTW 7.70
		Total VOC[1]	1.5		ppm	
SVE-12	At well head	Vacuum	27		inches H_2O	DTW 8.20
		Total VOC[1]	0.0		ppm	
SVE-13	At well head	Vacuum	20-24		inches H_2O	DTW 8.35
		Total VOC[1]	0.0		ppm	
SVE-14	At well head	Vacuum	15-20		inches H_2O	DTW 5.35
		Total VOC[1]	0.0		ppm	
SVE-15	At well head	Vacuum	12		inches H_2O	DTW 9.48
		Total VOC[1]	0.0		ppm	
SVE-16	At well head	Vacuum	27		inches H_2O	DTW 7:48
		Total VOC[1]	0.0		ppm	
SVE-17	At well head	Vacuum	15-25		inches H_2O	DTW ~~[illegible]~~ 10:20
		Total VOC[1]	0.0		ppm	~~[illegible]~~
SVE-18	At well head	Vacuum	17-25		inches H_2O	DTW ~~[illegible]~~ 12:00
		Total VOC[1]	0.0		ppm	~~[illegible]~~
Influent	Influent Line to the SVE system (Manual Velocimeter)	Vacuum	45		inches H_2O	
		Air Flow rate	127		scfm	
	PID	Total VOC	20.6		ppm	

2/17/23

SYSTEM READINGS						
			Reading			
Identifier	Location	Measurement	Pre	Post	Units	Comment
KOT	Knockout Tank	Volume	50 gal		gallons	90% full
Pre- CatOx/GAC	Before treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC[1]	22.6		ppm	
		Temperature	78°		°F	Per HMI Status Screen
Post - CatOx/GAC	After treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC[1]	0.0		ppm	
		Temperature	750		°F	
Air Filter	Air Filter	Vacuum	~~30.6~~	30	inches H_2O	
Dilution Valve	Air Filter	Open / Close	50%		%	
Effluent	Inside the trailer	Temperature	75°		°F	
		Pressure	0.4		inches H2O	
	Manual Velocimeter	Air Flowrate	334		scfm	scfm = fpm * 0.03407
Hours of Operation	Control Panel	Hours	276703		hours	
Monitoring Wells	Depth to Water (feet below top of casing)					
	PZ-06	MW-05		MW-07		MW-09
	MW-1	MW-06		MW-09		SB-50

OTHER OR GENERAL COMMENTS:

1. Indicate measurement method in comments (miniRae, colorimetric tubes, etc.)

All 3 Air Filters Checked Yes No

Louvers and Door vents Clear Yes No

Electric Meter Reading: 70125 / 502,80 KWH

NOTES: Shut down system to drain water KO

* If system adjustments are made, these should be recorded in the comments and pre and post readings should be provided.

3 drums on site from water KO (Inside Trailer)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O&M SITE VISIT

CONTRACTOR:

DATE:	3/13/23	TECHNICIANS(S):	Ryan Glass
SITE NAME:	Staubs Textile Services, Inc.	SIGNATURE(S):	[signature]
NYSDEC SITE ID NO.:	828160	AFFILIATION:	NW Contracting
ADDRESS:	935-951 East Main Street Rochester NY 14605	TIME ON SITE:	6:30am.
PROJECT NO.:	18-035	TIME OFF SITE:	
Monthly Sampling:		WEATHER CONDITIONS:	Snow 38°
Quarterly Sampling:	✓		
Service Call:			

SYSTEM STATUS

General System and Site Conditions:

Maintenance and Monitoring Information			Comments
System Operational on Arrival:	Yes ☒	No ☐	
System Operational on Departure:	Yes ☐	No ☐	
Oil and Lube Motors:	Yes ☒	No ☐	
Clean Inlet Filters (All 3):	Yes ☒	No ☐	
Collect Vapor Samples:	Yes ☒	No ☐	
Collect Groundwater Samples:	Yes ☐	No ☒	
Check/Drain separator:	Yes ☐	No ☐	

GENERAL ISSUES

ISSUE	COMMENTS, PROBLEMS, RECOMMENDED CORRECTIVE ACTIONS
HEALTH AND SAFETY	Good
HOUSEKEEPING	Good
SITE SECURITY	Good.
WASTE MANAGEMENT	4 Drums of SVE water on site. (3 inside Trailer 1 outside)
OTHER	

Volt/Amp Monitoring Points

	Hz	Amperage	
Line One	60	13.9	39%
Line Two			
Blower			
Total			

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O & M SITE VISIT

DATE: 3/13/23

SITE NAME: Staubs Textile Services

TIME OF MEASUREMENTS: Morning

SYSTEM READINGS

Identifier	Location	Measurement	Reading Pre	Reading Post	Units	Comment
SVE-1	At well head	Vacuum	27		inches H_2O	11.29
		Total VOC[1]	0.0		ppm	
SVE-2	At well head	Vacuum	25-27		inches H_2O	11.25
		Total VOC[1]	5.2		ppm	
SVE-3	At well head	Vacuum	25		inches H_2O	11.95
		Total VOC[1]	0.0		ppm	
SVE-4	At well head	Vacuum	26		inches H_2O	10.82
		Total VOC[1]	0.0		ppm	
SVE-5	At well head	Vacuum	25-28		inches H_2O	8.15
		Total VOC[1]	0.0		ppm	
SVE-6	At well head	Vacuum	25-28		inches H_2O	~~HEAS~~ 11.25
		Total VOC[1]	0.0		ppm	
SVE-7	At well head	Vacuum	27		inches H_2O	8.90
		Total VOC[1]	0.0		ppm	
SVE-8	At well head	Vacuum	26		inches H_2O	11.20
		Total VOC[1]	0.0		ppm	
SVE-9	At well head	Vacuum	13		inches H_2O	10.42
		Total VOC[1]	0.0		ppm	
SVE-10	At well head	Vacuum	15		inches H_2O	10.18
		Total VOC[1]	0.0		ppm	
SVE-11	At well head	Vacuum	23		inches H_2O	7.15
		Total VOC[1]	0.9		ppm	
SVE-12	At well head	Vacuum	22-27		inches H_2O	3.30
		Total VOC[1]	0.0		ppm	
SVE-13	At well head	Vacuum	20		inches H_2O	9.54
		Total VOC[1]	0.0		ppm	
SVE-14	At well head	Vacuum	11		inches H_2O	10.21
		Total VOC[1]	0.7		ppm	
SVE-15	At well head	Vacuum	12		inches H_2O	9.87
		Total VOC[1]	0.0		ppm	
SVE-16	At well head	Vacuum	19-25		inches H_2O	10.40
		Total VOC[1]	0.1		ppm	
SVE-17	At well head	Vacuum	16-22		inches H_2O	9.80
		Total VOC[1]	0.0		ppm	
SVE-18	At well head	Vacuum	16-24		inches H_2O	12.80
		Total VOC[1]	0.0		ppm	
Influent	Influent Line to the SVE system (Manual Velocimeter)	Vacuum	55		inches H_2O	
		Air Flow rate	124		scfm	
	PID	Total VOC	4.2		ppm	

3/13/23

SYSTEM READINGS						
Identifier	Location	Measurement	Reading Pre	Reading Post	Units	Comment
KOT	Knockout Tank	Volume	50	0	gallons	
Pre- CatOx/GAC	Before treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC[1]	0.7		ppm	
		Temperature	750		°F	Per HMI Status Screen
Post - CatOx/GAC	After treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC[1]	0.3		ppm	
		Temperature	750		°F	
Air Filter	Air Filter	Vacuum	40		inches H_2O	
Dilution Valve	Air Filter	Open / Close	50 %		%	
Effluent	Inside the trailer	Temperature	80		°F	
		Pressure	0.3		inches H2O	
	Manual Velocimeter	Air Flowrate	320		scfm	scfm = fpm * 0.03407
Hours of Operation	Control Panel	Hours	28239		hours	
Monitoring Wells	Depth to Water (feet below top of casing)					
	PZ-06	MW-05		MW-07		MW-09
	MW-1	MW-06		MW-09		SB-50

OTHER OR GENERAL COMMENTS:

1. Indicate measurement method in comments (miniRae, colorimetric tubes, etc.)

All 3 Air Filters Checked Yes No

Louvers and Door vents Clear Yes No

Electric Meter Reading: 81370 KWH

502.80

NOTES:

* If system adjustments are made, these should be recorded in the comments and pre and post readings should be provided

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O&M SITE VISIT

CONTRACTOR:

DATE:	4/28/23	**TECHNICIANS(S):**	Ryan Glass
SITE NAME:	Staubs Textile Services, Inc.	**SIGNATURE(S):**	[signature]
NYSDEC SITE ID NO.:	828160		
ADDRESS:	935-951 East Main Street Rochester NY 14605	**AFFILIATION:**	NW Contracting
PROJECT NO.:	18-035	**TIME ON SITE:**	6:30 am
Monthly Sampling:	✓	**TIME OFF SITE:**	
Quarterly Sampling:		**WEATHER CONDITIONS:**	Sunny 60°
Service Call:			

SYSTEM STATUS

General System and Site Conditions:

Maintenance and Monitoring Information			**Comments**
System Operational on Arrival:	Yes ☒	No ☐	
System Operational on Departure:	Yes ☒	No ☐	
Oil and Lube Motors:	Yes ☒	No ☐	
Clean Inlet Filters (All 3):	Yes ☒	No ☐	
Collect Vapor Samples:	Yes ☒	No ☐	
Collect Groundwater Samples:	Yes ☐	No ☒	
Check/Drain separator:	Yes ☒	No ☐	

GENERAL ISSUES

ISSUE	**COMMENTS, PROBLEMS, RECOMMENDED CORRECTIVE ACTIONS**
HEALTH AND SAFETY	Good
HOUSEKEEPING	Good
SITE SECURITY	Good.
WASTE MANAGEMENT	8 Drums Water from Knockout
OTHER	

Volt/Amp Monitoring Points

	Hz	**Amperage**	
Line One	50	13.6	37%
Line Two			
Blower			
Total			

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O & M SITE VISIT

DATE: _____

SITE NAME: **Staubs Textile Services**

TIME OF MEASUREMENTS: _____

SYSTEM READINGS

Identifier	Location	Measurement	Reading Pre	Reading Post	Units	Comment
SVE-1	At well head	Vacuum	-22-26		inches H_2O	DTW 9.50
		Total VOC[1]	0.0		ppm	
SVE-2	At well head	Vacuum	-25		inches H_2O	DTW 9.87
		Total VOC[1]	0.0		ppm	
SVE-3	At well head	Vacuum	-25		inches H_2O	DTW 10.65
		Total VOC[1]	0.0		ppm	
SVE-4	At well head	Vacuum	-25		inches H_2O	DTW 9.75
		Total VOC[1]	2.8		ppm	
SVE-5	At well head	Vacuum	-26		inches H_2O	DTW 6.85
		Total VOC[1]	0.0		ppm	
SVE-6	At well head	Vacuum	-26		inches H_2O	DTW 8.92
		Total VOC[1]	0.0		ppm	
SVE-7	At well head	Vacuum	22-27		inches H_2O	DTW 8.50
		Total VOC[1]	0.0		ppm	
SVE-8	At well head	Vacuum	-25		inches H_2O	DTW 9.00
		Total VOC[1]	0.0		ppm	
SVE-9	At well head	Vacuum	~~[illegible]~~	12	inches H_2O	DTW 8.70
		Total VOC[1]	0.0		ppm	
SVE 10	At well head	Vacuum	NA		inches H_2O	
		Total VOC[1]			ppm	
SVE-11	At well head	Vacuum	-25		inches H_2O	DTW 5.70
		Total VOC[1]	0.6		ppm	
SVE-12	At well head	Vacuum	-26		inches H_2O	DTW 4.90
		Total VOC[1]	0.0		ppm	
SVE-13	At well head	Vacuum	-26		inches H_2O	DTW 6.43
		Total VOC[1]	0.0		ppm	
SVE-14	At well head	Vacuum	-25		inches H_2O	DTW 5.25
		Total VOC[1]	0.0		ppm	
SVE-15	At well head	Vacuum	12		inches H_2O	DTW 7.88
		Total VOC[1]	4.6		ppm	
SVE-16	At well head	Vacuum	-25		inches H_2O	DTW 6.54
		Total VOC[1]	0.0		ppm	
SVE-17	At well head	Vacuum	-19-24		inches H_2O	DTW 9.70
		Total VOC[1]	0.0		ppm	
SVE-18	At well head	Vacuum	19-24		inches H_2O	DTW 6.65
		Total VOC[1]	0.0		ppm	
Influent	Influent Line to the SVE system (Manual Velocimeter)	Vacuum	-75		inches H_2O	
		Air Flow rate	158		scfm	
	PID	Total VOC	11.5		ppm	

SVE 10 - Car at 630am

4/28/23

SYSTEM READINGS						
			Reading			
Identifier	Location	Measurement	Pre	Post	Units	Comment
KOT	Knockout Tank	Volume			gallons	
Pre- CatOx/GAC	Before treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC[1]			ppm	
		Temperature	750		°F	Per HMI Status Screen
Post - CatOx/GAC	After treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC[1]	0.0		ppm	
		Temperature	750		°F	
Air Filter	Air Filter	Vacuum	55		inches H_2O	
Dilution Valve	Air Filter	Open / Close	50%		%	
Effluent	Inside the trailer	Temperature	90		°F	
		Pressure	0.3		inches H2O	
	Manual Velocimeter	Air Flowrate	332		scfm	scfm = fpm * 0 03407
Hours of Operation	Control Panel	Hours	29248.9		hours	
Monitoring Wells	Depth to Water (feet below top of casing)					
	PZ-06	MW-05		MW-07		MW-09
	MW-1	MW-06		MW-09		SB-50

OTHER OR GENERAL COMMENTS:

1. Indicate measurement method in comments (miniRae, colorimetric tubes, etc.)

All 3 Air Filters Checked Yes No

Louvers and Door vents Clear Yes No

Electric Meter Reading: 00257 581.53 KWH

NOTES:

* If system adjustments are made, these should be recorded in the comments and pre and post readings should be provided.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O&M SITE VISIT

CONTRACTOR:

DATE:	5/25/23	**TECHNICIANS(S):**	Ryan Glass
SITE NAME:	Staubs Textile Services, Inc.	**SIGNATURE(S):**	Ryan Glass
NYSDEC SITE ID NO.:	828160		
ADDRESS:	935-951 East Main Street Rochester NY 14605	**AFFILIATION:**	NW Contracting
PROJECT NO.:	18-035	**TIME ON SITE:**	6:30am
Monthly Sampling:	✓	**TIME OFF SITE:**	
Quarterly Sampling:		**WEATHER CONDITIONS:**	Cool Sunny
Service Call:			

SYSTEM STATUS

General System and Site Conditions:

Maintenance and Monitoring Information	Yes	No	**Comments**
System Operational on Arrival:	✓		
System Operational on Departure:	✓		
Oil and Lube Motors:	✓		
Clean Inlet Filters (All 3):	✓		
Collect Vapor Samples:			
Collect Groundwater Samples:		✓	
Check/Drain separator:	✓		

GENERAL ISSUES

ISSUE	**COMMENTS, PROBLEMS, RECOMMENDED CORRECTIVE ACTIONS**
HEALTH AND SAFETY	Good.
HOUSEKEEPING	Good.
SITE SECURITY	
WASTE MANAGEMENT	10 Drums on site.
OTHER	SVE Water from KO

Volt/Amp Monitoring Points

	Hz	Amperage	
Line One	50	14.3	40%
Line Two			
Blower			
Total			

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
O & M SITE VISIT

DATE: 5/25/23

SITE NAME: Staubs Textile Services

TIME OF MEASUREMENTS: Morning

SYSTEM READINGS

Identifier	Location	Measurement	Reading Pre	Reading Post	Units	Comment
SVE-1	At well head	Vacuum	21-24		inches H_2O	DTW 10.35
		Total VOC[1]	0.0		ppm	
SVE-2	At well head	Vacuum	20-26		inches H_2O	DTW 9.25
		Total VOC[1]	0.1		ppm	
SVE-3	At well head	Vacuum	23		inches H_2O	DTW 11.20
		Total VOC[1]	0.0		ppm	
SVE-4	At well head	Vacuum	24		inches H_2O	DTW 9.77
		Total VOC[1]	0.0		ppm	
SVE-5	At well head	Vacuum	24		inches H_2O	DTW 7.20
		Total VOC[1]	0.0		ppm	
SVE-6	At well head	Vacuum	18-24		inches H_2O	DTW 9.34
		Total VOC[1]	0.0		ppm	
SVE-7	At well head	Vacuum	22-27		inches H_2O	DTW 8.56
		Total VOC[1]	0.0		ppm	
SVE-8	At well head	Vacuum	23		inches H_2O	DTW 9.52
		Total VOC[1]	0.0		ppm	
SVE-9	At well head	Vacuum	0	12	inches H_2O	DTW 11.30
		Total VOC[1]	0.0		ppm	
SVE-10	At well head	Vacuum	24		inches H_2O	DTW 9.54
		Total VOC[1]	0.8		ppm	
SVE-11	At well head	Vacuum	-23		inches H_2O	DTW 6.12
		Total VOC[1]	0.0		ppm	
SVE-12	At well head	Vacuum	24		inches H_2O	DTW 5.32
		Total VOC[1]	0.0		ppm	
SVE-13	At well head	Vacuum	24		inches H_2O	DTW 6.93
		Total VOC[1]	0.0		ppm	
SVE-14	At well head	Vacuum	-24		inches H_2O	DTW 6.55
		Total VOC[1]	0.0		ppm	
SVE-15	At well head	Vacuum	15		inches H_2O	DTW 8.79
		Total VOC[1]	0.0		ppm	
SVE-16	At well head	Vacuum	20-25		inches H_2O	DTW 6.85
		Total VOC[1]	0.0		ppm	
SVE-17	At well head	Vacuum	18-24		inches H_2O	DTW 9.89
		Total VOC[1]	0.0		ppm	
SVE-18	At well head	Vacuum	-25		inches H_2O	DTW 11.95
		Total VOC[1]	0.0		ppm	
Influent	Influent Line to the SVE system (Manual Velocimeter)	Vacuum	-75		inches H_2O	
		Air Flow rate	132		scfm	
	PID	Total VOC	15.9		ppm	

5/25/23

SYSTEM READINGS						
Identifier	Location	Measurement	Reading Pre	Reading Post	Units	Comment
KOT	Knockout Tank	Volume			gallons	
Pre- CatOx/GAC	Before treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC[1]	0.0		ppm	
		Temperature	750		°F	Per HMI Status Screen
Post - CatOx/GAC	After treatment (CatOx or GAC)	Vacuum	N/A	N/A	inches H2O	
		Total VOC[1]	0.3		ppm	
		Temperature	75.0		°F	
Air Filter	Air Filter	Vacuum	-.00		inches H_2O	
Dilution Valve	Air Filter	Open / Close	50%		%	
Effluent	Inside the trailer	Temperature	95		°F	
		Pressure	0.3		~~inches H2O~~	PSI
	Manual Velocimeter	Air Flowrate	275		scfm	scfm = fpm * 0.03407
Hours of Operation	Control Panel	Hours	29818.7		hours	
Monitoring Wells	Depth to Water (feet below top of casing)					
	PZ-06	MW-05		MW-07		MW-09
	MW-1	MW-06		MW-09		SB-50

OTHER OR GENERAL COMMENTS:

1. Indicate measurement method in comments (miniRae, colorimetric tubes, etc.)

All 3 Air Filters Checked Yes No

Louvers and Door vents Clear Yes No

Electric Meter Reading: 10496 / 626.16 KWH

NOTES:

* If system adjustments are made, these should be recorded in the comments and pre and post readings should be provided

Only one Flow Regulator sent from Eurofins
Spoke to Dan + Becky
Sampled Effluent + Effluent Duplicate before Influent using the same Regulator.

C Analytical Data from Monthly Treatment System Sampling

con-test®
A Pace Analytical® Laboratory

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

July 1, 2022

Robert Strang
NYS Division of Environmental Remediation
625 Broadway 12th Floor
Albany, NY 12233-7012

Project Location: 935 E. Main St, Rochester, NY
Client Job Number:
Project Number: 828160
Laboratory Work Order Number: 22F1426

Enclosed are results of analyses for samples as received by the laboratory on June 22, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

QA Officer
Katherine Allen

Laboratory Manager
Daren Damboragian

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

NYS Division of Environmental Remediation
625 Broadway 12th Floor
Albany, NY 12233-7012
ATTN: Robert Strang

REPORT DATE: 7/1/2022

PURCHASE ORDER NUMBER: 142737

PROJECT NUMBER: 828160

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22F1426

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

PROJECT LOCATION: 935 E. Main St, Rochester, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SVE1	22F1426-01	Soil Gas		EPA TO-15	
SVE2	22F1426-02	Soil Gas		EPA TO-15	
SVE3	22F1426-03	Soil Gas		EPA TO-15	
SVE4	22F1426-04	Soil Gas		EPA TO-15	
SVE5	22F1426-05	Soil Gas		EPA TO-15	
SVE6	22F1426-06	Soil Gas		EPA TO-15	
SVE7	22F1426-07	Soil Gas		EPA TO-15	
SVE8	22F1426-08	Soil Gas		EPA TO-15	
SVE9	22F1426-09	Soil Gas		EPA TO-15	
SVE10	22F1426-10	Soil Gas		EPA TO-15	
SVE11	22F1426-11	Soil Gas		EPA TO-15	
SVE12	22F1426-12	Soil Gas		EPA TO-15	
SVE13	22F1426-13	Soil Gas		EPA TO-15	
SVE14	22F1426-14	Soil Gas		EPA TO-15	
SVE15	22F1426-15	Soil Gas		EPA TO-15	
SVE16	22F1426-16	Soil Gas		EPA TO-15	
SVE17	22F1426-17	Soil Gas		EPA TO-15	
SVE18	22F1426-18	Soil Gas		EPA TO-15	
SVE15 Duplicate	22F1426-19	Soil Gas		EPA TO-15	
Influent	22F1426-20	Soil Gas		EPA TO-15	
Effluent	22F1426-21	Soil Gas		EPA TO-15	
Effluent Duplicate	22F1426-22	Soil Gas		EPA TO-15	

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CASE NARRATIVE SUMMARY

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

EPA TO-15

Qualifications:

L-01 Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Methyl tert-Butyl Ether (MTBE)

B312038-BS1

RL-11 Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22F1426-01[SVE1], 22F1426-03[SVE3], 22F1426-04[SVE4], 22F1426-05[SVE5], 22F1426-06[SVE6], 22F1426-07[SVE7], 22F1426-08[SVE8], 22F1426-09[SVE9], 22F1426-10[SVE10], 22F1426-11[SVE11], 22F1426-12[SVE12], 22F1426-14[SVE14], 22F1426-15[SVE15], 22F1426-16[SVE16], 22F1426-18[SVE18], 22F1426-19[SVE15 Duplicate], 22F1426-20[Influent], 22F1426-22[Effluent Duplicate]

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE1
Sample ID: 22F1426-01
Sample Matrix: Soil Gas
Sampled: 6/20/2022 09:58

Sample Description/Location:
Sub Description/Location:
Canister ID: 2607
Canister Size: 3 liter
Flow Controller ID: 4328
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	120	20	12		280	48	29	10	6/24/22 16:09	TPH
Benzene	ND	0.50	0.38		ND	1.6	1.2	10	6/24/22 16:09	TPH
Benzyl chloride	ND	0.50	0.44		ND	2.6	2.3	10	6/24/22 16:09	TPH
Bromodichloromethane	ND	0.50	0.35		ND	3.4	2.3	10	6/24/22 16:09	TPH
Bromoform	ND	0.50	0.34		ND	5.2	3.5	10	6/24/22 16:09	TPH
Bromomethane	ND	0.50	0.33		ND	1.9	1.3	10	6/24/22 16:09	TPH
1,3-Butadiene	ND	0.50	0.42		ND	1.1	0.93	10	6/24/22 16:09	TPH
2-Butanone (MEK)	59	20	5.3		170	59	16	10	6/24/22 16:09	TPH
Carbon Disulfide	0.90	5.0	0.46	J	2.8	16	1.4	10	6/24/22 16:09	TPH
Carbon Tetrachloride	ND	0.50	0.40		ND	3.1	2.5	10	6/24/22 16:09	TPH
Chlorobenzene	ND	0.50	0.33		ND	2.3	1.5	10	6/24/22 16:09	TPH
Chloroethane	ND	0.50	0.44		ND	1.3	1.2	10	6/24/22 16:09	TPH
Chloroform	0.82	0.50	0.48		4.0	2.4	2.3	10	6/24/22 16:09	TPH
Chloromethane	0.63	1.0	0.40	J	1.3	2.1	0.82	10	6/24/22 16:09	TPH
Cyclohexane	3.2	0.50	0.30		11	1.7	1.0	10	6/24/22 16:09	TPH
Dibromochloromethane	ND	0.50	0.33		ND	4.3	2.8	10	6/24/22 16:09	TPH
1,2-Dibromoethane (EDB)	ND	0.50	0.30		ND	3.8	2.3	10	6/24/22 16:09	TPH
1,2-Dichlorobenzene	ND	0.50	0.29		ND	3.0	1.7	10	6/24/22 16:09	TPH
1,3-Dichlorobenzene	ND	0.50	0.28		ND	3.0	1.7	10	6/24/22 16:09	TPH
1,4-Dichlorobenzene	ND	0.50	0.33		ND	3.0	2.0	10	6/24/22 16:09	TPH
Dichlorodifluoromethane (Freon 12)	3.8	0.50	0.49		19	2.5	2.4	10	6/24/22 16:09	TPH
1,1-Dichloroethane	ND	0.50	0.44		ND	2.0	1.8	10	6/24/22 16:09	TPH
1,2-Dichloroethane	ND	0.50	0.45		ND	2.0	1.8	10	6/24/22 16:09	TPH
1,1-Dichloroethylene	ND	0.50	0.38		ND	2.0	1.5	10	6/24/22 16:09	TPH
cis-1,2-Dichloroethylene	400	0.50	0.36		1600	2.0	1.4	10	6/24/22 16:09	TPH
trans-1,2-Dichloroethylene	3.0	0.50	0.39		12	2.0	1.6	10	6/24/22 16:09	TPH
1,2-Dichloropropane	ND	0.50	0.27		ND	2.3	1.3	10	6/24/22 16:09	TPH
cis-1,3-Dichloropropene	ND	0.50	0.26		ND	2.3	1.2	10	6/24/22 16:09	TPH
trans-1,3-Dichloropropene	ND	0.50	0.26		ND	2.3	1.2	10	6/24/22 16:09	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.50	0.49		ND	3.5	3.4	10	6/24/22 16:09	TPH
1,4-Dioxane	ND	5.0	0.42		ND	18	1.5	10	6/24/22 16:09	TPH
Ethanol	ND	20	8.8		ND	38	17	10	6/24/22 16:09	TPH
Ethyl Acetate	ND	5.0	2.5		ND	18	9.1	10	6/24/22 16:09	TPH
Ethylbenzene	ND	0.50	0.29		ND	2.2	1.3	10	6/24/22 16:09	TPH
4-Ethyltoluene	0.78	2.0	0.31	J	3.8	9.8	1.5	10	6/24/22 16:09	TPH
Heptane	0.90	0.50	0.32		3.7	2.0	1.3	10	6/24/22 16:09	TPH
Hexachlorobutadiene	ND	0.50	0.41		ND	5.3	4.4	10	6/24/22 16:09	TPH
Hexane	ND	20	2.6		ND	70	9.2	10	6/24/22 16:09	TPH
2-Hexanone (MBK)	ND	0.50	0.25		ND	2.0	1.0	10	6/24/22 16:09	TPH
Isopropanol	ND	20	3.4		ND	49	8.5	10	6/24/22 16:09	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.39		ND	1.8	1.4	10	6/24/22 16:09	TPH
Methylene Chloride	ND	5.0	2.3		ND	17	8.1	10	6/24/22 16:09	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.50	0.27		ND	2.0	1.1	10	6/24/22 16:09	TPH
Naphthalene	ND	0.50	0.38		ND	2.6	2.0	10	6/24/22 16:09	TPH
Propene	ND	20	4.4		ND	34	7.6	10	6/24/22 16:09	TPH
Styrene	ND	2.0	0.26		ND	8.5	1.1	10	6/24/22 16:09	TPH
1,1,2,2-Tetrachloroethane	ND	0.50	0.27		ND	3.4	1.9	10	6/24/22 16:09	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE1
Sample ID: 22F1426-01
Sample Matrix: Soil Gas
Sampled: 6/20/2022 09:58

Sample Description/Location:
Sub Description/Location:
Canister ID: 2607
Canister Size: 3 liter
Flow Controller ID: 4328
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	3200	7.5	5.7		22000	51	39	150	6/24/22 16:51	TPH
Tetrahydrofuran	110	5.0	0.82		320	15	2.4	10	6/24/22 16:09	TPH
Toluene	0.88	0.50	0.29		3.3	1.9	1.1	10	6/24/22 16:09	TPH
1,2,4-Trichlorobenzene	ND	0.50	0.46		ND	3.7	3.4	10	6/24/22 16:09	TPH
1,1,1-Trichloroethane	ND	0.50	0.39		ND	2.7	2.1	10	6/24/22 16:09	TPH
1,1,2-Trichloroethane	ND	0.50	0.35		ND	2.7	1.9	10	6/24/22 16:09	TPH
Trichloroethylene	77	0.50	0.34		410	2.7	1.8	10	6/24/22 16:09	TPH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.59		ND	11	3.3	10	6/24/22 16:09	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.56		ND	15	4.3	10	6/24/22 16:09	TPH
1,2,4-Trimethylbenzene	2.4	2.0	0.22		12	9.8	1.1	10	6/24/22 16:09	TPH
1,3,5-Trimethylbenzene	4.7	2.0	0.26		23	9.8	1.3	10	6/24/22 16:09	TPH
Vinyl Acetate	ND	10	2.7		ND	35	9.5	10	6/24/22 16:09	TPH
Vinyl Chloride	1.5	0.50	0.45		3.9	1.3	1.2	10	6/24/22 16:09	TPH
m&p-Xylene	0.78	1.0	0.56	J	3.4	4.3	2.4	10	6/24/22 16:09	TPH
o-Xylene	1.1	0.50	0.26		4.6	2.2	1.1	10	6/24/22 16:09	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	103	70-130	6/24/22 16:09
4-Bromofluorobenzene (1)	104	70-130	6/24/22 16:51

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE2
Sample ID: 22F1426-02
Sample Matrix: Soil Gas
Sampled: 6/20/2022 10:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 2591
Canister Size: 3 liter
Flow Controller ID: 4340
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	14	8.0	4.8		34	19	11	4	6/24/22 15:30	TPH
Benzene	ND	0.20	0.15		ND	0.64	0.48	4	6/24/22 15:30	TPH
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	6/24/22 15:30	TPH
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	6/24/22 15:30	TPH
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	6/24/22 15:30	TPH
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	6/24/22 15:30	TPH
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	6/24/22 15:30	TPH
2-Butanone (MEK)	11	8.0	2.1		32	24	6.3	4	6/24/22 15:30	TPH
Carbon Disulfide	0.26	2.0	0.18	J	0.81	6.2	0.58	4	6/24/22 15:30	TPH
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	6/24/22 15:30	TPH
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	6/24/22 15:30	TPH
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	6/24/22 15:30	TPH
Chloroform	ND	0.20	0.19		ND	0.98	0.93	4	6/24/22 15:30	TPH
Chloromethane	0.61	0.40	0.16		1.3	0.83	0.33	4	6/24/22 15:30	TPH
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	6/24/22 15:30	TPH
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	6/24/22 15:30	TPH
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	6/24/22 15:30	TPH
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	6/24/22 15:30	TPH
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	6/24/22 15:30	TPH
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	6/24/22 15:30	TPH
Dichlorodifluoromethane (Freon 12)	1.2	0.20	0.20		5.9	0.99	0.97	4	6/24/22 15:30	TPH
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	6/24/22 15:30	TPH
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	6/24/22 15:30	TPH
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	6/24/22 15:30	TPH
cis-1,2-Dichloroethylene	6.2	0.20	0.15		24	0.79	0.58	4	6/24/22 15:30	TPH
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	6/24/22 15:30	TPH
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	6/24/22 15:30	TPH
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	6/24/22 15:30	TPH
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	6/24/22 15:30	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	6/24/22 15:30	TPH
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	6/24/22 15:30	TPH
Ethanol	4.1	8.0	3.5	J	7.8	15	6.6	4	6/24/22 15:30	TPH
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	6/24/22 15:30	TPH
Ethylbenzene	0.17	0.20	0.12	J	0.73	0.87	0.51	4	6/24/22 15:30	TPH
4-Ethyltoluene	29	0.80	0.12		140	3.9	0.60	4	6/24/22 15:30	TPH
Heptane	0.14	0.20	0.13	J	0.56	0.82	0.52	4	6/24/22 15:30	TPH
Hexachlorobutadiene	ND	0.20	0.16		ND	2.1	1.8	4	6/24/22 15:30	TPH
Hexane	ND	8.0	1.0		ND	28	3.7	4	6/24/22 15:30	TPH
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	6/24/22 15:30	TPH
Isopropanol	ND	8.0	1.4		ND	20	3.4	4	6/24/22 15:30	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	6/24/22 15:30	TPH
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	6/24/22 15:30	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	6/24/22 15:30	TPH
Naphthalene	0.19	0.20	0.15	J	0.99	1.0	0.79	4	6/24/22 15:30	TPH
Propene	ND	8.0	1.8		ND	14	3.0	4	6/24/22 15:30	TPH
Styrene	ND	0.80	0.11		ND	3.4	0.45	4	6/24/22 15:30	TPH
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	6/24/22 15:30	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE2
Sample ID: 22F1426-02
Sample Matrix: Soil Gas
Sampled: 6/20/2022 10:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 2591
Canister Size: 3 liter
Flow Controller ID: 4340
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	190	0.20	0.15		1300	1.4	1.0	4	6/24/22 15:30	TPH
Tetrahydrofuran	50	2.0	0.33		150	5.9	0.97	4	6/24/22 15:30	TPH
Toluene	0.46	0.20	0.11		1.7	0.75	0.43	4	6/24/22 15:30	TPH
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	6/24/22 15:30	TPH
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	6/24/22 15:30	TPH
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	6/24/22 15:30	TPH
Trichloroethylene	30	0.20	0.13		160	1.1	0.72	4	6/24/22 15:30	TPH
Trichlorofluoromethane (Freon 11)	0.27	0.80	0.24	J	1.5	4.5	1.3	4	6/24/22 15:30	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	6/24/22 15:30	TPH
1,2,4-Trimethylbenzene	150	0.80	0.088		750	3.9	0.43	4	6/24/22 15:30	TPH
1,3,5-Trimethylbenzene	140	0.80	0.11		670	3.9	0.52	4	6/24/22 15:30	TPH
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	6/24/22 15:30	TPH
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	6/24/22 15:30	TPH
m&p-Xylene	7.0	0.40	0.22		30	1.7	0.97	4	6/24/22 15:30	TPH
o-Xylene	10	0.20	0.10		45	0.87	0.44	4	6/24/22 15:30	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	105	70-130	6/24/22 15:30

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE3
Sample ID: 22F1426-03
Sample Matrix: Soil Gas
Sampled: 6/20/2022 10:01

Sample Description/Location:
Sub Description/Location:
Canister ID: 2424
Canister Size: 3 liter
Flow Controller ID: 4247
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	65	80	48	J	160	190	110	40	6/24/22 20:16	TPH
Benzene	ND	2.0	1.5		ND	6.4	4.8	40	6/24/22 20:16	TPH
Benzyl chloride	ND	2.0	1.8		ND	10	9.1	40	6/24/22 20:16	TPH
Bromodichloromethane	ND	2.0	1.4		ND	13	9.4	40	6/24/22 20:16	TPH
Bromoform	ND	2.0	1.4		ND	21	14	40	6/24/22 20:16	TPH
Bromomethane	ND	2.0	1.3		ND	7.8	5.2	40	6/24/22 20:16	TPH
1,3-Butadiene	ND	2.0	1.7		ND	4.4	3.7	40	6/24/22 20:16	TPH
2-Butanone (MEK)	34	80	21	J	100	240	63	40	6/24/22 20:16	TPH
Carbon Disulfide	ND	20	1.8		ND	62	5.8	40	6/24/22 20:16	TPH
Carbon Tetrachloride	ND	2.0	1.6		ND	13	10	40	6/24/22 20:16	TPH
Chlorobenzene	ND	2.0	1.3		ND	9.2	6.1	40	6/24/22 20:16	TPH
Chloroethane	ND	2.0	1.8		ND	5.3	4.7	40	6/24/22 20:16	TPH
Chloroform	ND	2.0	1.9		ND	9.8	9.3	40	6/24/22 20:16	TPH
Chloromethane	ND	4.0	1.6		ND	8.3	3.3	40	6/24/22 20:16	TPH
Cyclohexane	ND	2.0	1.2		ND	6.9	4.2	40	6/24/22 20:16	TPH
Dibromochloromethane	ND	2.0	1.3		ND	17	11	40	6/24/22 20:16	TPH
1,2-Dibromoethane (EDB)	ND	2.0	1.2		ND	15	9.3	40	6/24/22 20:16	TPH
1,2-Dichlorobenzene	ND	2.0	1.1		ND	12	6.9	40	6/24/22 20:16	TPH
1,3-Dichlorobenzene	ND	2.0	1.1		ND	12	6.7	40	6/24/22 20:16	TPH
1,4-Dichlorobenzene	ND	2.0	1.3		ND	12	7.9	40	6/24/22 20:16	TPH
Dichlorodifluoromethane (Freon 12)	ND	2.0	2.0		ND	9.9	9.7	40	6/24/22 20:16	TPH
1,1-Dichloroethane	ND	2.0	1.7		ND	8.1	7.1	40	6/24/22 20:16	TPH
1,2-Dichloroethane	ND	2.0	1.8		ND	8.1	7.3	40	6/24/22 20:16	TPH
1,1-Dichloroethylene	ND	2.0	1.5		ND	7.9	6.0	40	6/24/22 20:16	TPH
cis-1,2-Dichloroethylene	330	2.0	1.5		1300	7.9	5.8	40	6/24/22 20:16	TPH
trans-1,2-Dichloroethylene	2.6	2.0	1.6		10	7.9	6.2	40	6/24/22 20:16	TPH
1,2-Dichloropropane	ND	2.0	1.1		ND	9.2	5.0	40	6/24/22 20:16	TPH
cis-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.7	40	6/24/22 20:16	TPH
trans-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.6	40	6/24/22 20:16	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	2.0		ND	14	14	40	6/24/22 20:16	TPH
1,4-Dioxane	ND	20	1.7		ND	72	6.0	40	6/24/22 20:16	TPH
Ethanol	ND	80	35		ND	150	66	40	6/24/22 20:16	TPH
Ethyl Acetate	ND	20	10		ND	72	36	40	6/24/22 20:16	TPH
Ethylbenzene	ND	2.0	1.2		ND	8.7	5.1	40	6/24/22 20:16	TPH
4-Ethyltoluene	1.7	8.0	1.2	J	8.3	39	6.0	40	6/24/22 20:16	TPH
Heptane	ND	2.0	1.3		ND	8.2	5.2	40	6/24/22 20:16	TPH
Hexachlorobutadiene	ND	2.0	1.6		ND	21	18	40	6/24/22 20:16	TPH
Hexane	ND	80	10		ND	280	37	40	6/24/22 20:16	TPH
2-Hexanone (MBK)	ND	2.0	1.0		ND	8.2	4.1	40	6/24/22 20:16	TPH
Isopropanol	ND	80	14		ND	200	34	40	6/24/22 20:16	TPH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	1.5		ND	7.2	5.6	40	6/24/22 20:16	TPH
Methylene Chloride	ND	20	9.3		ND	69	32	40	6/24/22 20:16	TPH
4-Methyl-2-pentanone (MIBK)	ND	2.0	1.1		ND	8.2	4.4	40	6/24/22 20:16	TPH
Naphthalene	ND	2.0	1.5		ND	10	7.9	40	6/24/22 20:16	TPH
Propene	ND	80	18		ND	140	30	40	6/24/22 20:16	TPH
Styrene	ND	8.0	1.1		ND	34	4.5	40	6/24/22 20:16	TPH
1,1,2,2-Tetrachloroethane	ND	2.0	1.1		ND	14	7.4	40	6/24/22 20:16	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE3
Sample ID: 22F1426-03
Sample Matrix: Soil Gas
Sampled: 6/20/2022 10:01

Sample Description/Location:
Sub Description/Location:
Canister ID: 2424
Canister Size: 3 liter
Flow Controller ID: 4247
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	4300	7.5	5.7		29000	51	39	150	6/24/22 20:59	TPH
Tetrahydrofuran	80	20	3.3		230	59	9.7	40	6/24/22 20:16	TPH
Toluene	ND	2.0	1.1		ND	7.5	4.3	40	6/24/22 20:16	TPH
1,2,4-Trichlorobenzene	ND	2.0	1.9		ND	15	14	40	6/24/22 20:16	TPH
1,1,1-Trichloroethane	ND	2.0	1.6		ND	11	8.6	40	6/24/22 20:16	TPH
1,1,2-Trichloroethane	ND	2.0	1.4		ND	11	7.7	40	6/24/22 20:16	TPH
Trichloroethylene	66	2.0	1.3		350	11	7.2	40	6/24/22 20:16	TPH
Trichlorofluoromethane (Freon 11)	ND	8.0	2.4		ND	45	13	40	6/24/22 20:16	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	8.0	2.2		ND	61	17	40	6/24/22 20:16	TPH
1,2,4-Trimethylbenzene	7.0	8.0	0.88	J	34	39	4.3	40	6/24/22 20:16	TPH
1,3,5-Trimethylbenzene	9.9	8.0	1.1		49	39	5.2	40	6/24/22 20:16	TPH
Vinyl Acetate	ND	40	11		ND	140	38	40	6/24/22 20:16	TPH
Vinyl Chloride	ND	2.0	1.8		ND	5.1	4.6	40	6/24/22 20:16	TPH
m&p-Xylene	ND	4.0	2.2		ND	17	9.7	40	6/24/22 20:16	TPH
o-Xylene	1.6	2.0	1.0	J	7.1	8.7	4.4	40	6/24/22 20:16	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	108	70-130	6/24/22 20:59
4-Bromofluorobenzene (1)	108	70-130	6/24/22 20:16

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE4
Sample ID: 22F1426-04
Sample Matrix: Soil Gas
Sampled: 6/20/2022 10:02

Sample Description/Location:
Sub Description/Location:
Canister ID: 2272
Canister Size: 3 liter
Flow Controller ID: 4245
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -5.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	1200	720		ND	2900	1700	600	6/24/22 23:41	TPH
Benzene	ND	30	23		ND	96	73	600	6/24/22 23:41	TPH
Benzyl chloride	ND	30	26		ND	160	140	600	6/24/22 23:41	TPH
Bromodichloromethane	ND	30	21		ND	200	140	600	6/24/22 23:41	TPH
Bromoform	ND	30	20		ND	310	210	600	6/24/22 23:41	TPH
Bromomethane	ND	30	20		ND	120	78	600	6/24/22 23:41	TPH
1,3-Butadiene	ND	30	25		ND	66	56	600	6/24/22 23:41	TPH
2-Butanone (MEK)	ND	1200	320		ND	3500	940	600	6/24/22 23:41	TPH
Carbon Disulfide	ND	300	28		ND	930	86	600	6/24/22 23:41	TPH
Carbon Tetrachloride	ND	30	24		ND	190	150	600	6/24/22 23:41	TPH
Chlorobenzene	ND	30	20		ND	140	92	600	6/24/22 23:41	TPH
Chloroethane	ND	30	27		ND	79	70	600	6/24/22 23:41	TPH
Chloroform	ND	30	28		ND	150	140	600	6/24/22 23:41	TPH
Chloromethane	ND	60	24		ND	120	49	600	6/24/22 23:41	TPH
Cyclohexane	ND	30	18		ND	100	62	600	6/24/22 23:41	TPH
Dibromochloromethane	ND	30	20		ND	260	170	600	6/24/22 23:41	TPH
1,2-Dibromoethane (EDB)	ND	30	18		ND	230	140	600	6/24/22 23:41	TPH
1,2-Dichlorobenzene	ND	30	17		ND	180	100	600	6/24/22 23:41	TPH
1,3-Dichlorobenzene	ND	30	17		ND	180	100	600	6/24/22 23:41	TPH
1,4-Dichlorobenzene	ND	30	20		ND	180	120	600	6/24/22 23:41	TPH
Dichlorodifluoromethane (Freon 12)	ND	30	29		ND	150	140	600	6/24/22 23:41	TPH
1,1-Dichloroethane	ND	30	26		ND	120	110	600	6/24/22 23:41	TPH
1,2-Dichloroethane	ND	30	27		ND	120	110	600	6/24/22 23:41	TPH
1,1-Dichloroethylene	ND	30	23		ND	120	91	600	6/24/22 23:41	TPH
cis-1,2-Dichloroethylene	390	30	22		1500	120	87	600	6/24/22 23:41	TPH
trans-1,2-Dichloroethylene	ND	30	24		ND	120	93	600	6/24/22 23:41	TPH
1,2-Dichloropropane	ND	30	16		ND	140	75	600	6/24/22 23:41	TPH
cis-1,3-Dichloropropene	ND	30	16		ND	140	71	600	6/24/22 23:41	TPH
trans-1,3-Dichloropropene	ND	30	15		ND	140	70	600	6/24/22 23:41	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	30	30		ND	210	210	600	6/24/22 23:41	TPH
1,4-Dioxane	ND	300	25		ND	1100	90	600	6/24/22 23:41	TPH
Ethanol	ND	1200	530		ND	2300	1000	600	6/24/22 23:41	TPH
Ethyl Acetate	ND	300	150		ND	1100	550	600	6/24/22 23:41	TPH
Ethylbenzene	ND	30	18		ND	130	76	600	6/24/22 23:41	TPH
4-Ethyltoluene	65	120	18	J	320	590	91	600	6/24/22 23:41	TPH
Heptane	ND	30	19		ND	120	79	600	6/24/22 23:41	TPH
Hexachlorobutadiene	ND	30	25		ND	320	260	600	6/24/22 23:41	TPH
Hexane	ND	1200	160		ND	4200	550	600	6/24/22 23:41	TPH
2-Hexanone (MBK)	ND	30	15		ND	120	61	600	6/24/22 23:41	TPH
Isopropanol	ND	1200	210		ND	2900	510	600	6/24/22 23:41	TPH
Methyl tert-Butyl Ether (MTBE)	ND	30	23		ND	110	84	600	6/24/22 23:41	TPH
Methylene Chloride	ND	300	140		ND	1000	480	600	6/24/22 23:41	TPH
4-Methyl-2-pentanone (MIBK)	ND	30	16		ND	120	66	600	6/24/22 23:41	TPH
Naphthalene	ND	30	23		ND	160	120	600	6/24/22 23:41	TPH
Propene	ND	1200	260		ND	2100	450	600	6/24/22 23:41	TPH
Styrene	ND	120	16		ND	510	67	600	6/24/22 23:41	TPH
1,1,2,2-Tetrachloroethane	ND	30	16		ND	210	110	600	6/24/22 23:41	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE4
Sample ID: 22F1426-04
Sample Matrix: Soil Gas
Sampled: 6/20/2022 10:02

Sample Description/Location:
Sub Description/Location:
Canister ID: 2272
Canister Size: 3 liter
Flow Controller ID: 4245
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -5.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	9200	30	23		62000	200	160	600	6/24/22 23:41	TPH
Tetrahydrofuran	110	300	49	J	330	880	150	600	6/24/22 23:41	TPH
Toluene	ND	30	17		ND	110	65	600	6/24/22 23:41	TPH
1,2,4-Trichlorobenzene	ND	30	28		ND	220	210	600	6/24/22 23:41	TPH
1,1,1-Trichloroethane	ND	30	24		ND	160	130	600	6/24/22 23:41	TPH
1,1,2-Trichloroethane	ND	30	21		ND	160	120	600	6/24/22 23:41	TPH
Trichloroethylene	100	30	20		560	160	110	600	6/24/22 23:41	TPH
Trichlorofluoromethane (Freon 11)	ND	120	35		ND	670	200	600	6/24/22 23:41	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	120	33		ND	920	260	600	6/24/22 23:41	TPH
1,2,4-Trimethylbenzene	330	120	13		1600	590	65	600	6/24/22 23:41	TPH
1,3,5-Trimethylbenzene	380	120	16		1900	590	78	600	6/24/22 23:41	TPH
Vinyl Acetate	ND	600	160		ND	2100	570	600	6/24/22 23:41	TPH
Vinyl Chloride	ND	30	27		ND	77	69	600	6/24/22 23:41	TPH
m&p-Xylene	ND	60	34		ND	260	150	600	6/24/22 23:41	TPH
o-Xylene	25	30	15	J	110	130	67	600	6/24/22 23:41	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	111	70-130	6/24/22 23:41

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE5
Sample ID: 22F1426-05
Sample Matrix: Soil Gas
Sampled: 6/20/2022 10:42

Sample Description/Location:
Sub Description/Location:
Canister ID: 2425
Canister Size: 3 liter
Flow Controller ID: 4117
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -5.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	1200	720		ND	2900	1700	600	6/25/22 0:23	TPH
Benzene	ND	30	23		ND	96	73	600	6/25/22 0:23	TPH
Benzyl chloride	ND	30	26		ND	160	140	600	6/25/22 0:23	TPH
Bromodichloromethane	ND	30	21		ND	200	140	600	6/25/22 0:23	TPH
Bromoform	ND	30	20		ND	310	210	600	6/25/22 0:23	TPH
Bromomethane	ND	30	20		ND	120	78	600	6/25/22 0:23	TPH
1,3-Butadiene	ND	30	25		ND	66	56	600	6/25/22 0:23	TPH
2-Butanone (MEK)	ND	1200	320		ND	3500	940	600	6/25/22 0:23	TPH
Carbon Disulfide	ND	300	28		ND	930	86	600	6/25/22 0:23	TPH
Carbon Tetrachloride	ND	30	24		ND	190	150	600	6/25/22 0:23	TPH
Chlorobenzene	ND	30	20		ND	140	92	600	6/25/22 0:23	TPH
Chloroethane	ND	30	27		ND	79	70	600	6/25/22 0:23	TPH
Chloroform	ND	30	28		ND	150	140	600	6/25/22 0:23	TPH
Chloromethane	ND	60	24		ND	120	49	600	6/25/22 0:23	TPH
Cyclohexane	ND	30	18		ND	100	62	600	6/25/22 0:23	TPH
Dibromochloromethane	ND	30	20		ND	260	170	600	6/25/22 0:23	TPH
1,2-Dibromoethane (EDB)	ND	30	18		ND	230	140	600	6/25/22 0:23	TPH
1,2-Dichlorobenzene	ND	30	17		ND	180	100	600	6/25/22 0:23	TPH
1,3-Dichlorobenzene	ND	30	17		ND	180	100	600	6/25/22 0:23	TPH
1,4-Dichlorobenzene	ND	30	20		ND	180	120	600	6/25/22 0:23	TPH
Dichlorodifluoromethane (Freon 12)	ND	30	29		ND	150	140	600	6/25/22 0:23	TPH
1,1-Dichloroethane	ND	30	26		ND	120	110	600	6/25/22 0:23	TPH
1,2-Dichloroethane	ND	30	27		ND	120	110	600	6/25/22 0:23	TPH
1,1-Dichloroethylene	ND	30	23		ND	120	91	600	6/25/22 0:23	TPH
cis-1,2-Dichloroethylene	58	30	22		230	120	87	600	6/25/22 0:23	TPH
trans-1,2-Dichloroethylene	ND	30	24		ND	120	93	600	6/25/22 0:23	TPH
1,2-Dichloropropane	ND	30	16		ND	140	75	600	6/25/22 0:23	TPH
cis-1,3-Dichloropropene	ND	30	16		ND	140	71	600	6/25/22 0:23	TPH
trans-1,3-Dichloropropene	ND	30	15		ND	140	70	600	6/25/22 0:23	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	30	30		ND	210	210	600	6/25/22 0:23	TPH
1,4-Dioxane	ND	300	25		ND	1100	90	600	6/25/22 0:23	TPH
Ethanol	ND	1200	530		ND	2300	1000	600	6/25/22 0:23	TPH
Ethyl Acetate	ND	300	150		ND	1100	550	600	6/25/22 0:23	TPH
Ethylbenzene	ND	30	18		ND	130	76	600	6/25/22 0:23	TPH
4-Ethyltoluene	ND	120	18		ND	590	91	600	6/25/22 0:23	TPH
Heptane	ND	30	19		ND	120	79	600	6/25/22 0:23	TPH
Hexachlorobutadiene	ND	30	25		ND	320	260	600	6/25/22 0:23	TPH
Hexane	ND	1200	160		ND	4200	550	600	6/25/22 0:23	TPH
2-Hexanone (MBK)	ND	30	15		ND	120	61	600	6/25/22 0:23	TPH
Isopropanol	ND	1200	210		ND	2900	510	600	6/25/22 0:23	TPH
Methyl tert-Butyl Ether (MTBE)	ND	30	23		ND	110	84	600	6/25/22 0:23	TPH
Methylene Chloride	ND	300	140		ND	1000	480	600	6/25/22 0:23	TPH
4-Methyl-2-pentanone (MIBK)	ND	30	16		ND	120	66	600	6/25/22 0:23	TPH
Naphthalene	ND	30	23		ND	160	120	600	6/25/22 0:23	TPH
Propene	ND	1200	260		ND	2100	450	600	6/25/22 0:23	TPH
Styrene	ND	120	16		ND	510	67	600	6/25/22 0:23	TPH
1,1,2,2-Tetrachloroethane	ND	30	16		ND	210	110	600	6/25/22 0:23	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE5
Sample ID: 22F1426-05
Sample Matrix: Soil Gas
Sampled: 6/20/2022 10:42

Sample Description/Location:
Sub Description/Location:
Canister ID: 2425
Canister Size: 3 liter
Flow Controller ID: 4117
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -5.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	12000	30	23		80000	200	160	600	6/25/22 0:23	TPH
Tetrahydrofuran	ND	300	49		ND	880	150	600	6/25/22 0:23	TPH
Toluene	ND	30	17		ND	110	65	600	6/25/22 0:23	TPH
1,2,4-Trichlorobenzene	ND	30	28		ND	220	210	600	6/25/22 0:23	TPH
1,1,1-Trichloroethane	ND	30	24		ND	160	130	600	6/25/22 0:23	TPH
1,1,2-Trichloroethane	ND	30	21		ND	160	120	600	6/25/22 0:23	TPH
Trichloroethylene	43	30	20		230	160	110	600	6/25/22 0:23	TPH
Trichlorofluoromethane (Freon 11)	ND	120	35		ND	670	200	600	6/25/22 0:23	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	120	33		ND	920	260	600	6/25/22 0:23	TPH
1,2,4-Trimethylbenzene	ND	120	13		ND	590	65	600	6/25/22 0:23	TPH
1,3,5-Trimethylbenzene	ND	120	16		ND	590	78	600	6/25/22 0:23	TPH
Vinyl Acetate	ND	600	160		ND	2100	570	600	6/25/22 0:23	TPH
Vinyl Chloride	ND	30	27		ND	77	69	600	6/25/22 0:23	TPH
m&p-Xylene	ND	60	34		ND	260	150	600	6/25/22 0:23	TPH
o-Xylene	ND	30	15		ND	130	67	600	6/25/22 0:23	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	109	70-130	6/25/22 0:23

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE6
Sample ID: 22F1426-06
Sample Matrix: Soil Gas
Sampled: 6/20/2022 10:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 2613
Canister Size: 3 liter
Flow Controller ID: 4238
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	1200	720		ND	2900	1700	600	6/27/22 21:27	TPH
Benzene	ND	30	23		ND	96	73	600	6/27/22 21:27	TPH
Benzyl chloride	ND	30	26		ND	160	140	600	6/27/22 21:27	TPH
Bromodichloromethane	ND	30	21		ND	200	140	600	6/27/22 21:27	TPH
Bromoform	ND	30	20		ND	310	210	600	6/27/22 21:27	TPH
Bromomethane	ND	30	20		ND	120	78	600	6/27/22 21:27	TPH
1,3-Butadiene	ND	30	25		ND	66	56	600	6/27/22 21:27	TPH
2-Butanone (MEK)	ND	1200	320		ND	3500	940	600	6/27/22 21:27	TPH
Carbon Disulfide	ND	300	28		ND	930	86	600	6/27/22 21:27	TPH
Carbon Tetrachloride	ND	30	24		ND	190	150	600	6/27/22 21:27	TPH
Chlorobenzene	ND	30	20		ND	140	92	600	6/27/22 21:27	TPH
Chloroethane	ND	30	27		ND	79	70	600	6/27/22 21:27	TPH
Chloroform	ND	30	28		ND	150	140	600	6/27/22 21:27	TPH
Chloromethane	ND	60	24		ND	120	49	600	6/27/22 21:27	TPH
Cyclohexane	90	30	18		310	100	62	600	6/27/22 21:27	TPH
Dibromochloromethane	ND	30	20		ND	260	170	600	6/27/22 21:27	TPH
1,2-Dibromoethane (EDB)	ND	30	18		ND	230	140	600	6/27/22 21:27	TPH
1,2-Dichlorobenzene	ND	30	17		ND	180	100	600	6/27/22 21:27	TPH
1,3-Dichlorobenzene	ND	30	17		ND	180	100	600	6/27/22 21:27	TPH
1,4-Dichlorobenzene	ND	30	20		ND	180	120	600	6/27/22 21:27	TPH
Dichlorodifluoromethane (Freon 12)	ND	30	29		ND	150	140	600	6/27/22 21:27	TPH
1,1-Dichloroethane	ND	30	26		ND	120	110	600	6/27/22 21:27	TPH
1,2-Dichloroethane	ND	30	27		ND	120	110	600	6/27/22 21:27	TPH
1,1-Dichloroethylene	ND	30	23		ND	120	91	600	6/27/22 21:27	TPH
cis-1,2-Dichloroethylene	570	30	22		2300	120	87	600	6/27/22 21:27	TPH
trans-1,2-Dichloroethylene	ND	30	24		ND	120	93	600	6/27/22 21:27	TPH
1,2-Dichloropropane	ND	30	16		ND	140	75	600	6/27/22 21:27	TPH
cis-1,3-Dichloropropene	ND	30	16		ND	140	71	600	6/27/22 21:27	TPH
trans-1,3-Dichloropropene	ND	30	15		ND	140	70	600	6/27/22 21:27	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	30	30		ND	210	210	600	6/27/22 21:27	TPH
1,4-Dioxane	ND	300	25		ND	1100	90	600	6/27/22 21:27	TPH
Ethanol	970	1200	530	J	1800	2300	1000	600	6/27/22 21:27	TPH
Ethyl Acetate	ND	300	150		ND	1100	550	600	6/27/22 21:27	TPH
Ethylbenzene	ND	30	18		ND	130	76	600	6/27/22 21:27	TPH
4-Ethyltoluene	44	120	18	J	220	590	91	600	6/27/22 21:27	TPH
Heptane	ND	30	19		ND	120	79	600	6/27/22 21:27	TPH
Hexachlorobutadiene	ND	30	25		ND	320	260	600	6/27/22 21:27	TPH
Hexane	ND	1200	160		ND	4200	550	600	6/27/22 21:27	TPH
2-Hexanone (MBK)	ND	30	15		ND	120	61	600	6/27/22 21:27	TPH
Isopropanol	ND	1200	210		ND	2900	510	600	6/27/22 21:27	TPH
Methyl tert-Butyl Ether (MTBE)	ND	30	23		ND	110	84	600	6/27/22 21:27	TPH
Methylene Chloride	ND	300	140		ND	1000	480	600	6/27/22 21:27	TPH
4-Methyl-2-pentanone (MIBK)	ND	30	16		ND	120	66	600	6/27/22 21:27	TPH
Naphthalene	ND	30	23		ND	160	120	600	6/27/22 21:27	TPH
Propene	ND	1200	260		ND	2100	450	600	6/27/22 21:27	TPH
Styrene	ND	120	16		ND	510	67	600	6/27/22 21:27	TPH
1,1,2,2-Tetrachloroethane	ND	30	16		ND	210	110	600	6/27/22 21:27	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE6
Sample ID: 22F1426-06
Sample Matrix: Soil Gas
Sampled: 6/20/2022 10:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 2613
Canister Size: 3 liter
Flow Controller ID: 4238
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	28000	600	460		190000	4100	3100	12000	6/25/22 5:46	TPH
Tetrahydrofuran	460	300	49		1400	880	150	600	6/27/22 21:27	TPH
Toluene	ND	30	17		ND	110	65	600	6/27/22 21:27	TPH
1,2,4-Trichlorobenzene	ND	30	28		ND	220	210	600	6/27/22 21:27	TPH
1,1,1-Trichloroethane	ND	30	24		ND	160	130	600	6/27/22 21:27	TPH
1,1,2-Trichloroethane	ND	30	21		ND	160	120	600	6/27/22 21:27	TPH
Trichloroethylene	2300	30	20		12000	160	110	600	6/27/22 21:27	TPH
Trichlorofluoromethane (Freon 11)	ND	120	35		ND	670	200	600	6/27/22 21:27	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	120	33		ND	920	260	600	6/27/22 21:27	TPH
1,2,4-Trimethylbenzene	100	120	13	J	490	590	65	600	6/27/22 21:27	TPH
1,3,5-Trimethylbenzene	510	120	16		2500	590	78	600	6/27/22 21:27	TPH
Vinyl Acetate	ND	600	160		ND	2100	570	600	6/27/22 21:27	TPH
Vinyl Chloride	ND	30	27		ND	77	69	600	6/27/22 21:27	TPH
m&p-Xylene	ND	60	34		ND	260	150	600	6/27/22 21:27	TPH
o-Xylene	47	30	15		200	130	67	600	6/27/22 21:27	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	109	70-130	6/25/22 5:46
4-Bromofluorobenzene (1)	103	70-130	6/27/22 21:27

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE7
Sample ID: 22F1426-07
Sample Matrix: Soil Gas
Sampled: 6/20/2022 10:41

Sample Description/Location:
Sub Description/Location:
Canister ID: 2383
Canister Size: 3 liter
Flow Controller ID: 4346
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	240	20	12		560	48	29	10	6/24/22 17:31	TPH
Benzene	ND	0.50	0.38		ND	1.6	1.2	10	6/24/22 17:31	TPH
Benzyl chloride	ND	0.50	0.44		ND	2.6	2.3	10	6/24/22 17:31	TPH
Bromodichloromethane	ND	0.50	0.35		ND	3.4	2.3	10	6/24/22 17:31	TPH
Bromoform	ND	0.50	0.34		ND	5.2	3.5	10	6/24/22 17:31	TPH
Bromomethane	ND	0.50	0.33		ND	1.9	1.3	10	6/24/22 17:31	TPH
1,3-Butadiene	ND	0.50	0.42		ND	1.1	0.93	10	6/24/22 17:31	TPH
2-Butanone (MEK)	140	20	5.3		400	59	16	10	6/24/22 17:31	TPH
Carbon Disulfide	0.57	5.0	0.46	J	1.8	16	1.4	10	6/24/22 17:31	TPH
Carbon Tetrachloride	ND	0.50	0.40		ND	3.1	2.5	10	6/24/22 17:31	TPH
Chlorobenzene	ND	0.50	0.33		ND	2.3	1.5	10	6/24/22 17:31	TPH
Chloroethane	ND	0.50	0.44		ND	1.3	1.2	10	6/24/22 17:31	TPH
Chloroform	ND	0.50	0.48		ND	2.4	2.3	10	6/24/22 17:31	TPH
Chloromethane	1.3	1.0	0.40		2.6	2.1	0.82	10	6/24/22 17:31	TPH
Cyclohexane	ND	0.50	0.30		ND	1.7	1.0	10	6/24/22 17:31	TPH
Dibromochloromethane	ND	0.50	0.33		ND	4.3	2.8	10	6/24/22 17:31	TPH
1,2-Dibromoethane (EDB)	ND	0.50	0.30		ND	3.8	2.3	10	6/24/22 17:31	TPH
1,2-Dichlorobenzene	ND	0.50	0.29		ND	3.0	1.7	10	6/24/22 17:31	TPH
1,3-Dichlorobenzene	ND	0.50	0.28		ND	3.0	1.7	10	6/24/22 17:31	TPH
1,4-Dichlorobenzene	ND	0.50	0.33		ND	3.0	2.0	10	6/24/22 17:31	TPH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.49		ND	2.5	2.4	10	6/24/22 17:31	TPH
1,1-Dichloroethane	ND	0.50	0.44		ND	2.0	1.8	10	6/24/22 17:31	TPH
1,2-Dichloroethane	ND	0.50	0.45		ND	2.0	1.8	10	6/24/22 17:31	TPH
1,1-Dichloroethylene	ND	0.50	0.38		ND	2.0	1.5	10	6/24/22 17:31	TPH
cis-1,2-Dichloroethylene	49	0.50	0.36		200	2.0	1.4	10	6/24/22 17:31	TPH
trans-1,2-Dichloroethylene	0.50	0.50	0.39		2.0	2.0	1.6	10	6/24/22 17:31	TPH
1,2-Dichloropropane	ND	0.50	0.27		ND	2.3	1.3	10	6/24/22 17:31	TPH
cis-1,3-Dichloropropene	ND	0.50	0.26		ND	2.3	1.2	10	6/24/22 17:31	TPH
trans-1,3-Dichloropropene	ND	0.50	0.26		ND	2.3	1.2	10	6/24/22 17:31	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.50	0.49		ND	3.5	3.4	10	6/24/22 17:31	TPH
1,4-Dioxane	ND	5.0	0.42		ND	18	1.5	10	6/24/22 17:31	TPH
Ethanol	ND	20	8.8		ND	38	17	10	6/24/22 17:31	TPH
Ethyl Acetate	ND	5.0	2.5		ND	18	9.1	10	6/24/22 17:31	TPH
Ethylbenzene	ND	0.50	0.29		ND	2.2	1.3	10	6/24/22 17:31	TPH
4-Ethyltoluene	40	2.0	0.31		190	9.8	1.5	10	6/24/22 17:31	TPH
Heptane	ND	0.50	0.32		ND	2.0	1.3	10	6/24/22 17:31	TPH
Hexachlorobutadiene	ND	0.50	0.41		ND	5.3	4.4	10	6/24/22 17:31	TPH
Hexane	ND	20	2.6		ND	70	9.2	10	6/24/22 17:31	TPH
2-Hexanone (MBK)	ND	0.50	0.25		ND	2.0	1.0	10	6/24/22 17:31	TPH
Isopropanol	ND	20	3.4		ND	49	8.5	10	6/24/22 17:31	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.39		ND	1.8	1.4	10	6/24/22 17:31	TPH
Methylene Chloride	ND	5.0	2.3		ND	17	8.1	10	6/24/22 17:31	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.50	0.27		ND	2.0	1.1	10	6/24/22 17:31	TPH
Naphthalene	ND	0.50	0.38		ND	2.6	2.0	10	6/24/22 17:31	TPH
Propene	ND	20	4.4		ND	34	7.6	10	6/24/22 17:31	TPH
Styrene	ND	2.0	0.26		ND	8.5	1.1	10	6/24/22 17:31	TPH
1,1,2,2-Tetrachloroethane	ND	0.50	0.27		ND	3.4	1.9	10	6/24/22 17:31	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE7
Sample ID: 22F1426-07
Sample Matrix: Soil Gas
Sampled: 6/20/2022 10:41

Sample Description/Location:
Sub Description/Location:
Canister ID: 2383
Canister Size: 3 liter
Flow Controller ID: 4346
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	2100	7.5	5.7		14000	51	39	150	6/24/22 18:14	TPH
Tetrahydrofuran	260	5.0	0.82		750	15	2.4	10	6/24/22 17:31	TPH
Toluene	0.32	0.50	0.29	J	1.2	1.9	1.1	10	6/24/22 17:31	TPH
1,2,4-Trichlorobenzene	ND	0.50	0.46		ND	3.7	3.4	10	6/24/22 17:31	TPH
1,1,1-Trichloroethane	ND	0.50	0.39		ND	2.7	2.1	10	6/24/22 17:31	TPH
1,1,2-Trichloroethane	ND	0.50	0.35		ND	2.7	1.9	10	6/24/22 17:31	TPH
Trichloroethylene	45	0.50	0.34		240	2.7	1.8	10	6/24/22 17:31	TPH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.59		ND	11	3.3	10	6/24/22 17:31	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.56		ND	15	4.3	10	6/24/22 17:31	TPH
1,2,4-Trimethylbenzene	320	2.0	0.22		1600	9.8	1.1	10	6/24/22 17:31	TPH
1,3,5-Trimethylbenzene	270	2.0	0.26		1300	9.8	1.3	10	6/24/22 17:31	TPH
Vinyl Acetate	ND	10	2.7		ND	35	9.5	10	6/24/22 17:31	TPH
Vinyl Chloride	2.7	0.50	0.45		7.0	1.3	1.2	10	6/24/22 17:31	TPH
m&p-Xylene	5.2	1.0	0.56		23	4.3	2.4	10	6/24/22 17:31	TPH
o-Xylene	8.8	0.50	0.26		38	2.2	1.1	10	6/24/22 17:31	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	108	70-130	6/24/22 17:31
4-Bromofluorobenzene (1)	108	70-130	6/24/22 18:14

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE8
Sample ID: 22F1426-08
Sample Matrix: Soil Gas
Sampled: 6/20/2022 10:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 2361
Canister Size: 3 liter
Flow Controller ID: 4118
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	1200	720		ND	2900	1700	600	6/24/22 23:00	TPH
Benzene	ND	30	23		ND	96	73	600	6/24/22 23:00	TPH
Benzyl chloride	ND	30	26		ND	160	140	600	6/24/22 23:00	TPH
Bromodichloromethane	ND	30	21		ND	200	140	600	6/24/22 23:00	TPH
Bromoform	ND	30	20		ND	310	210	600	6/24/22 23:00	TPH
Bromomethane	ND	30	20		ND	120	78	600	6/24/22 23:00	TPH
1,3-Butadiene	ND	30	25		ND	66	56	600	6/24/22 23:00	TPH
2-Butanone (MEK)	ND	1200	320		ND	3500	940	600	6/24/22 23:00	TPH
Carbon Disulfide	ND	300	28		ND	930	86	600	6/24/22 23:00	TPH
Carbon Tetrachloride	ND	30	24		ND	190	150	600	6/24/22 23:00	TPH
Chlorobenzene	ND	30	20		ND	140	92	600	6/24/22 23:00	TPH
Chloroethane	ND	30	27		ND	79	70	600	6/24/22 23:00	TPH
Chloroform	ND	30	28		ND	150	140	600	6/24/22 23:00	TPH
Chloromethane	ND	60	24		ND	120	49	600	6/24/22 23:00	TPH
Cyclohexane	ND	30	18		ND	100	62	600	6/24/22 23:00	TPH
Dibromochloromethane	ND	30	20		ND	260	170	600	6/24/22 23:00	TPH
1,2-Dibromoethane (EDB)	ND	30	18		ND	230	140	600	6/24/22 23:00	TPH
1,2-Dichlorobenzene	ND	30	17		ND	180	100	600	6/24/22 23:00	TPH
1,3-Dichlorobenzene	ND	30	17		ND	180	100	600	6/24/22 23:00	TPH
1,4-Dichlorobenzene	ND	30	20		ND	180	120	600	6/24/22 23:00	TPH
Dichlorodifluoromethane (Freon 12)	ND	30	29		ND	150	140	600	6/24/22 23:00	TPH
1,1-Dichloroethane	ND	30	26		ND	120	110	600	6/24/22 23:00	TPH
1,2-Dichloroethane	ND	30	27		ND	120	110	600	6/24/22 23:00	TPH
1,1-Dichloroethylene	ND	30	23		ND	120	91	600	6/24/22 23:00	TPH
cis-1,2-Dichloroethylene	95	30	22		380	120	87	600	6/24/22 23:00	TPH
trans-1,2-Dichloroethylene	ND	30	24		ND	120	93	600	6/24/22 23:00	TPH
1,2-Dichloropropane	ND	30	16		ND	140	75	600	6/24/22 23:00	TPH
cis-1,3-Dichloropropene	ND	30	16		ND	140	71	600	6/24/22 23:00	TPH
trans-1,3-Dichloropropene	ND	30	15		ND	140	70	600	6/24/22 23:00	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	30	30		ND	210	210	600	6/24/22 23:00	TPH
1,4-Dioxane	ND	300	25		ND	1100	90	600	6/24/22 23:00	TPH
Ethanol	ND	1200	530		ND	2300	1000	600	6/24/22 23:00	TPH
Ethyl Acetate	ND	300	150		ND	1100	550	600	6/24/22 23:00	TPH
Ethylbenzene	ND	30	18		ND	130	76	600	6/24/22 23:00	TPH
4-Ethyltoluene	ND	120	18		ND	590	91	600	6/24/22 23:00	TPH
Heptane	ND	30	19		ND	120	79	600	6/24/22 23:00	TPH
Hexachlorobutadiene	ND	30	25		ND	320	260	600	6/24/22 23:00	TPH
Hexane	ND	1200	160		ND	4200	550	600	6/24/22 23:00	TPH
2-Hexanone (MBK)	ND	30	15		ND	120	61	600	6/24/22 23:00	TPH
Isopropanol	ND	1200	210		ND	2900	510	600	6/24/22 23:00	TPH
Methyl tert-Butyl Ether (MTBE)	ND	30	23		ND	110	84	600	6/24/22 23:00	TPH
Methylene Chloride	ND	300	140		ND	1000	480	600	6/24/22 23:00	TPH
4-Methyl-2-pentanone (MIBK)	ND	30	16		ND	120	66	600	6/24/22 23:00	TPH
Naphthalene	ND	30	23		ND	160	120	600	6/24/22 23:00	TPH
Propene	ND	1200	260		ND	2100	450	600	6/24/22 23:00	TPH
Styrene	ND	120	16		ND	510	67	600	6/24/22 23:00	TPH
1,1,2,2-Tetrachloroethane	ND	30	16		ND	210	110	600	6/24/22 23:00	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE8
Sample ID: 22F1426-08
Sample Matrix: Soil Gas
Sampled: 6/20/2022 10:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 2361
Canister Size: 3 liter
Flow Controller ID: 4118
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	6900	30	23		47000	200	160	600	6/24/22 23:00	TPH
Tetrahydrofuran	330	300	49		980	880	150	600	6/24/22 23:00	TPH
Toluene	ND	30	17		ND	110	65	600	6/24/22 23:00	TPH
1,2,4-Trichlorobenzene	ND	30	28		ND	220	210	600	6/24/22 23:00	TPH
1,1,1-Trichloroethane	ND	30	24		ND	160	130	600	6/24/22 23:00	TPH
1,1,2-Trichloroethane	ND	30	21		ND	160	120	600	6/24/22 23:00	TPH
Trichloroethylene	56	30	20		300	160	110	600	6/24/22 23:00	TPH
Trichlorofluoromethane (Freon 11)	ND	120	35		ND	670	200	600	6/24/22 23:00	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	120	33		ND	920	260	600	6/24/22 23:00	TPH
1,2,4-Trimethylbenzene	ND	120	13		ND	590	65	600	6/24/22 23:00	TPH
1,3,5-Trimethylbenzene	ND	120	16		ND	590	78	600	6/24/22 23:00	TPH
Vinyl Acetate	ND	600	160		ND	2100	570	600	6/24/22 23:00	TPH
Vinyl Chloride	ND	30	27		ND	77	69	600	6/24/22 23:00	TPH
m&p-Xylene	ND	60	34		ND	260	150	600	6/24/22 23:00	TPH
o-Xylene	ND	30	15		ND	130	67	600	6/24/22 23:00	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	110	70-130	6/24/22 23:00

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE9
Sample ID: 22F1426-09
Sample Matrix: Soil Gas
Sampled: 6/20/2022 11:20

Sample Description/Location:
Sub Description/Location:
Canister ID: 2384
Canister Size: 3 liter
Flow Controller ID: 4322
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	770	1200	720	J	1800	2900	1700	600	6/25/22 3:44	TPH
Benzene	ND	30	23		ND	96	73	600	6/25/22 3:44	TPH
Benzyl chloride	ND	30	26		ND	160	140	600	6/25/22 3:44	TPH
Bromodichloromethane	ND	30	21		ND	200	140	600	6/25/22 3:44	TPH
Bromoform	ND	30	20		ND	310	210	600	6/25/22 3:44	TPH
Bromomethane	ND	30	20		ND	120	78	600	6/25/22 3:44	TPH
1,3-Butadiene	ND	30	25		ND	66	56	600	6/25/22 3:44	TPH
2-Butanone (MEK)	ND	1200	320		ND	3500	940	600	6/25/22 3:44	TPH
Carbon Disulfide	ND	300	28		ND	930	86	600	6/25/22 3:44	TPH
Carbon Tetrachloride	ND	30	24		ND	190	150	600	6/25/22 3:44	TPH
Chlorobenzene	ND	30	20		ND	140	92	600	6/25/22 3:44	TPH
Chloroethane	ND	30	27		ND	79	70	600	6/25/22 3:44	TPH
Chloroform	ND	30	28		ND	150	140	600	6/25/22 3:44	TPH
Chloromethane	ND	60	24		ND	120	49	600	6/25/22 3:44	TPH
Cyclohexane	ND	30	18		ND	100	62	600	6/25/22 3:44	TPH
Dibromochloromethane	ND	30	20		ND	260	170	600	6/25/22 3:44	TPH
1,2-Dibromoethane (EDB)	ND	30	18		ND	230	140	600	6/25/22 3:44	TPH
1,2-Dichlorobenzene	ND	30	17		ND	180	100	600	6/25/22 3:44	TPH
1,3-Dichlorobenzene	ND	30	17		ND	180	100	600	6/25/22 3:44	TPH
1,4-Dichlorobenzene	ND	30	20		ND	180	120	600	6/25/22 3:44	TPH
Dichlorodifluoromethane (Freon 12)	ND	30	29		ND	150	140	600	6/25/22 3:44	TPH
1,1-Dichloroethane	ND	30	26		ND	120	110	600	6/25/22 3:44	TPH
1,2-Dichloroethane	ND	30	27		ND	120	110	600	6/25/22 3:44	TPH
1,1-Dichloroethylene	ND	30	23		ND	120	91	600	6/25/22 3:44	TPH
cis-1,2-Dichloroethylene	990	30	22		3900	120	87	600	6/25/22 3:44	TPH
trans-1,2-Dichloroethylene	ND	30	24		ND	120	93	600	6/25/22 3:44	TPH
1,2-Dichloropropane	ND	30	16		ND	140	75	600	6/25/22 3:44	TPH
cis-1,3-Dichloropropene	ND	30	16		ND	140	71	600	6/25/22 3:44	TPH
trans-1,3-Dichloropropene	ND	30	15		ND	140	70	600	6/25/22 3:44	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	30	30		ND	210	210	600	6/25/22 3:44	TPH
1,4-Dioxane	ND	300	25		ND	1100	90	600	6/25/22 3:44	TPH
Ethanol	ND	1200	530		ND	2300	1000	600	6/25/22 3:44	TPH
Ethyl Acetate	ND	300	150		ND	1100	550	600	6/25/22 3:44	TPH
Ethylbenzene	ND	30	18		ND	130	76	600	6/25/22 3:44	TPH
4-Ethyltoluene	ND	120	18		ND	590	91	600	6/25/22 3:44	TPH
Heptane	ND	30	19		ND	120	79	600	6/25/22 3:44	TPH
Hexachlorobutadiene	ND	30	25		ND	320	260	600	6/25/22 3:44	TPH
Hexane	ND	1200	160		ND	4200	550	600	6/25/22 3:44	TPH
2-Hexanone (MBK)	ND	30	15		ND	120	61	600	6/25/22 3:44	TPH
Isopropanol	ND	1200	210		ND	2900	510	600	6/25/22 3:44	TPH
Methyl tert-Butyl Ether (MTBE)	ND	30	23		ND	110	84	600	6/25/22 3:44	TPH
Methylene Chloride	ND	300	140		ND	1000	480	600	6/25/22 3:44	TPH
4-Methyl-2-pentanone (MIBK)	ND	30	16		ND	120	66	600	6/25/22 3:44	TPH
Naphthalene	ND	30	23		ND	160	120	600	6/25/22 3:44	TPH
Propene	ND	1200	260		ND	2100	450	600	6/25/22 3:44	TPH
Styrene	ND	120	16		ND	510	67	600	6/25/22 3:44	TPH
1,1,2,2-Tetrachloroethane	ND	30	16		ND	210	110	600	6/25/22 3:44	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE9
Sample ID: 22F1426-09
Sample Matrix: Soil Gas
Sampled: 6/20/2022 11:20

Sample Description/Location:
Sub Description/Location:
Canister ID: 2384
Canister Size: 3 liter
Flow Controller ID: 4322
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	23000	30	23		150000	200	160	600	6/25/22 3:44	TPH
Tetrahydrofuran	420	300	49		1200	880	150	600	6/25/22 3:44	TPH
Toluene	ND	30	17		ND	110	65	600	6/25/22 3:44	TPH
1,2,4-Trichlorobenzene	ND	30	28		ND	220	210	600	6/25/22 3:44	TPH
1,1,1-Trichloroethane	ND	30	24		ND	160	130	600	6/25/22 3:44	TPH
1,1,2-Trichloroethane	ND	30	21		ND	160	120	600	6/25/22 3:44	TPH
Trichloroethylene	310	30	20		1600	160	110	600	6/25/22 3:44	TPH
Trichlorofluoromethane (Freon 11)	ND	120	35		ND	670	200	600	6/25/22 3:44	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	120	33		ND	920	260	600	6/25/22 3:44	TPH
1,2,4-Trimethylbenzene	90	120	13	J	440	590	65	600	6/25/22 3:44	TPH
1,3,5-Trimethylbenzene	95	120	16	J	470	590	78	600	6/25/22 3:44	TPH
Vinyl Acetate	ND	600	160		ND	2100	570	600	6/25/22 3:44	TPH
Vinyl Chloride	ND	30	27		ND	77	69	600	6/25/22 3:44	TPH
m&p-Xylene	ND	60	34		ND	260	150	600	6/25/22 3:44	TPH
o-Xylene	ND	30	15		ND	130	67	600	6/25/22 3:44	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	112	70-130	6/25/22 3:44

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE10
Sample ID: 22F1426-10
Sample Matrix: Soil Gas
Sampled: 6/20/2022 11:18

Sample Description/Location:
Sub Description/Location:
Canister ID: 2610
Canister Size: 3 liter
Flow Controller ID: 4097
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -2
Receipt Vacuum(in Hg): -3.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	980	1200	720	J	2300	2900	1700	600	6/25/22 2:23	TPH
Benzene	ND	30	23		ND	96	73	600	6/25/22 2:23	TPH
Benzyl chloride	ND	30	26		ND	160	140	600	6/25/22 2:23	TPH
Bromodichloromethane	ND	30	21		ND	200	140	600	6/25/22 2:23	TPH
Bromoform	ND	30	20		ND	310	210	600	6/25/22 2:23	TPH
Bromomethane	ND	30	20		ND	120	78	600	6/25/22 2:23	TPH
1,3-Butadiene	ND	30	25		ND	66	56	600	6/25/22 2:23	TPH
2-Butanone (MEK)	ND	1200	320		ND	3500	940	600	6/25/22 2:23	TPH
Carbon Disulfide	ND	300	28		ND	930	86	600	6/25/22 2:23	TPH
Carbon Tetrachloride	ND	30	24		ND	190	150	600	6/25/22 2:23	TPH
Chlorobenzene	ND	30	20		ND	140	92	600	6/25/22 2:23	TPH
Chloroethane	ND	30	27		ND	79	70	600	6/25/22 2:23	TPH
Chloroform	ND	30	28		ND	150	140	600	6/25/22 2:23	TPH
Chloromethane	ND	60	24		ND	120	49	600	6/25/22 2:23	TPH
Cyclohexane	ND	30	18		ND	100	62	600	6/25/22 2:23	TPH
Dibromochloromethane	ND	30	20		ND	260	170	600	6/25/22 2:23	TPH
1,2-Dibromoethane (EDB)	ND	30	18		ND	230	140	600	6/25/22 2:23	TPH
1,2-Dichlorobenzene	ND	30	17		ND	180	100	600	6/25/22 2:23	TPH
1,3-Dichlorobenzene	ND	30	17		ND	180	100	600	6/25/22 2:23	TPH
1,4-Dichlorobenzene	ND	30	20		ND	180	120	600	6/25/22 2:23	TPH
Dichlorodifluoromethane (Freon 12)	ND	30	29		ND	150	140	600	6/25/22 2:23	TPH
1,1-Dichloroethane	ND	30	26		ND	120	110	600	6/25/22 2:23	TPH
1,2-Dichloroethane	ND	30	27		ND	120	110	600	6/25/22 2:23	TPH
1,1-Dichloroethylene	ND	30	23		ND	120	91	600	6/25/22 2:23	TPH
cis-1,2-Dichloroethylene	6300	30	22		25000	120	87	600	6/25/22 2:23	TPH
trans-1,2-Dichloroethylene	54	30	24		210	120	93	600	6/25/22 2:23	TPH
1,2-Dichloropropane	ND	30	16		ND	140	75	600	6/25/22 2:23	TPH
cis-1,3-Dichloropropene	ND	30	16		ND	140	71	600	6/25/22 2:23	TPH
trans-1,3-Dichloropropene	ND	30	15		ND	140	70	600	6/25/22 2:23	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	30	30		ND	210	210	600	6/25/22 2:23	TPH
1,4-Dioxane	ND	300	25		ND	1100	90	600	6/25/22 2:23	TPH
Ethanol	ND	1200	530		ND	2300	1000	600	6/25/22 2:23	TPH
Ethyl Acetate	ND	300	150		ND	1100	550	600	6/25/22 2:23	TPH
Ethylbenzene	ND	30	18		ND	130	76	600	6/25/22 2:23	TPH
4-Ethyltoluene	19	120	18	J	91	590	91	600	6/25/22 2:23	TPH
Heptane	ND	30	19		ND	120	79	600	6/25/22 2:23	TPH
Hexachlorobutadiene	ND	30	25		ND	320	260	600	6/25/22 2:23	TPH
Hexane	ND	1200	160		ND	4200	550	600	6/25/22 2:23	TPH
2-Hexanone (MBK)	ND	30	15		ND	120	61	600	6/25/22 2:23	TPH
Isopropanol	ND	1200	210		ND	2900	510	600	6/25/22 2:23	TPH
Methyl tert-Butyl Ether (MTBE)	ND	30	23		ND	110	84	600	6/25/22 2:23	TPH
Methylene Chloride	ND	300	140		ND	1000	480	600	6/25/22 2:23	TPH
4-Methyl-2-pentanone (MIBK)	ND	30	16		ND	120	66	600	6/25/22 2:23	TPH
Naphthalene	ND	30	23		ND	160	120	600	6/25/22 2:23	TPH
Propene	ND	1200	260		ND	2100	450	600	6/25/22 2:23	TPH
Styrene	ND	120	16		ND	510	67	600	6/25/22 2:23	TPH
1,1,2,2-Tetrachloroethane	ND	30	16		ND	210	110	600	6/25/22 2:23	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE10
Sample ID: 22F1426-10
Sample Matrix: Soil Gas
Sampled: 6/20/2022 11:18

Sample Description/Location:
Sub Description/Location:
Canister ID: 2610
Canister Size: 3 liter
Flow Controller ID: 4097
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -2
Receipt Vacuum(in Hg): -3.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	13000	30	23		90000	200	160	600	6/25/22 2:23	TPH
Tetrahydrofuran	630	300	49		1900	880	150	600	6/25/22 2:23	TPH
Toluene	ND	30	17		ND	110	65	600	6/25/22 2:23	TPH
1,2,4-Trichlorobenzene	ND	30	28		ND	220	210	600	6/25/22 2:23	TPH
1,1,1-Trichloroethane	ND	30	24		ND	160	130	600	6/25/22 2:23	TPH
1,1,2-Trichloroethane	ND	30	21		ND	160	120	600	6/25/22 2:23	TPH
Trichloroethylene	180	30	20		940	160	110	600	6/25/22 2:23	TPH
Trichlorofluoromethane (Freon 11)	ND	120	35		ND	670	200	600	6/25/22 2:23	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	120	33		ND	920	260	600	6/25/22 2:23	TPH
1,2,4-Trimethylbenzene	50	120	13	J	250	590	65	600	6/25/22 2:23	TPH
1,3,5-Trimethylbenzene	220	120	16		1100	590	78	600	6/25/22 2:23	TPH
Vinyl Acetate	ND	600	160		ND	2100	570	600	6/25/22 2:23	TPH
Vinyl Chloride	42	30	27		110	77	69	600	6/25/22 2:23	TPH
m&p-Xylene	ND	60	34		ND	260	150	600	6/25/22 2:23	TPH
o-Xylene	ND	30	15		ND	130	67	600	6/25/22 2:23	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	6/25/22 2:23

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE11
Sample ID: 22F1426-11
Sample Matrix: Soil Gas
Sampled: 6/20/2022 11:17

Sample Description/Location:
Sub Description/Location:
Canister ID: 2381
Canister Size: 3 liter
Flow Controller ID: 4333
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	180	80	48		420	190	110	40	6/24/22 21:38	TPH
Benzene	ND	2.0	1.5		ND	6.4	4.8	40	6/24/22 21:38	TPH
Benzyl chloride	ND	2.0	1.8		ND	10	9.1	40	6/24/22 21:38	TPH
Bromodichloromethane	ND	2.0	1.4		ND	13	9.4	40	6/24/22 21:38	TPH
Bromoform	ND	2.0	1.4		ND	21	14	40	6/24/22 21:38	TPH
Bromomethane	ND	2.0	1.3		ND	7.8	5.2	40	6/24/22 21:38	TPH
1,3-Butadiene	ND	2.0	1.7		ND	4.4	3.7	40	6/24/22 21:38	TPH
2-Butanone (MEK)	110	80	21		340	240	63	40	6/24/22 21:38	TPH
Carbon Disulfide	ND	20	1.8		ND	62	5.8	40	6/24/22 21:38	TPH
Carbon Tetrachloride	ND	2.0	1.6		ND	13	10	40	6/24/22 21:38	TPH
Chlorobenzene	ND	2.0	1.3		ND	9.2	6.1	40	6/24/22 21:38	TPH
Chloroethane	ND	2.0	1.8		ND	5.3	4.7	40	6/24/22 21:38	TPH
Chloroform	ND	2.0	1.9		ND	9.8	9.3	40	6/24/22 21:38	TPH
Chloromethane	ND	4.0	1.6		ND	8.3	3.3	40	6/24/22 21:38	TPH
Cyclohexane	ND	2.0	1.2		ND	6.9	4.2	40	6/24/22 21:38	TPH
Dibromochloromethane	ND	2.0	1.3		ND	17	11	40	6/24/22 21:38	TPH
1,2-Dibromoethane (EDB)	ND	2.0	1.2		ND	15	9.3	40	6/24/22 21:38	TPH
1,2-Dichlorobenzene	ND	2.0	1.1		ND	12	6.9	40	6/24/22 21:38	TPH
1,3-Dichlorobenzene	ND	2.0	1.1		ND	12	6.7	40	6/24/22 21:38	TPH
1,4-Dichlorobenzene	ND	2.0	1.3		ND	12	7.9	40	6/24/22 21:38	TPH
Dichlorodifluoromethane (Freon 12)	ND	2.0	2.0		ND	9.9	9.7	40	6/24/22 21:38	TPH
1,1-Dichloroethane	ND	2.0	1.7		ND	8.1	7.1	40	6/24/22 21:38	TPH
1,2-Dichloroethane	ND	2.0	1.8		ND	8.1	7.3	40	6/24/22 21:38	TPH
1,1-Dichloroethylene	ND	2.0	1.5		ND	7.9	6.0	40	6/24/22 21:38	TPH
cis-1,2-Dichloroethylene	1700	2.0	1.5		6900	7.9	5.8	40	6/24/22 21:38	TPH
trans-1,2-Dichloroethylene	12	2.0	1.6		48	7.9	6.2	40	6/24/22 21:38	TPH
1,2-Dichloropropane	ND	2.0	1.1		ND	9.2	5.0	40	6/24/22 21:38	TPH
cis-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.7	40	6/24/22 21:38	TPH
trans-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.6	40	6/24/22 21:38	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	2.0		ND	14	14	40	6/24/22 21:38	TPH
1,4-Dioxane	ND	20	1.7		ND	72	6.0	40	6/24/22 21:38	TPH
Ethanol	ND	80	35		ND	150	66	40	6/24/22 21:38	TPH
Ethyl Acetate	ND	20	10		ND	72	36	40	6/24/22 21:38	TPH
Ethylbenzene	ND	2.0	1.2		ND	8.7	5.1	40	6/24/22 21:38	TPH
4-Ethyltoluene	ND	8.0	1.2		ND	39	6.0	40	6/24/22 21:38	TPH
Heptane	ND	2.0	1.3		ND	8.2	5.2	40	6/24/22 21:38	TPH
Hexachlorobutadiene	ND	2.0	1.6		ND	21	18	40	6/24/22 21:38	TPH
Hexane	ND	80	10		ND	280	37	40	6/24/22 21:38	TPH
2-Hexanone (MBK)	ND	2.0	1.0		ND	8.2	4.1	40	6/24/22 21:38	TPH
Isopropanol	ND	80	14		ND	200	34	40	6/24/22 21:38	TPH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	1.5		ND	7.2	5.6	40	6/24/22 21:38	TPH
Methylene Chloride	ND	20	9.3		ND	69	32	40	6/24/22 21:38	TPH
4-Methyl-2-pentanone (MIBK)	ND	2.0	1.1		ND	8.2	4.4	40	6/24/22 21:38	TPH
Naphthalene	ND	2.0	1.5		ND	10	7.9	40	6/24/22 21:38	TPH
Propene	ND	80	18		ND	140	30	40	6/24/22 21:38	TPH
Styrene	ND	8.0	1.1		ND	34	4.5	40	6/24/22 21:38	TPH
1,1,2,2-Tetrachloroethane	ND	2.0	1.1		ND	14	7.4	40	6/24/22 21:38	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE11
Sample ID: 22F1426-11
Sample Matrix: Soil Gas
Sampled: 6/20/2022 11:17

Sample Description/Location:
Sub Description/Location:
Canister ID: 2381
Canister Size: 3 liter
Flow Controller ID: 4333
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	3700	15	11		25000	100	78	300	6/24/22 22:19	TPH
Tetrahydrofuran	220	20	3.3		640	59	9.7	40	6/24/22 21:38	TPH
Toluene	ND	2.0	1.1		ND	7.5	4.3	40	6/24/22 21:38	TPH
1,2,4-Trichlorobenzene	ND	2.0	1.9		ND	15	14	40	6/24/22 21:38	TPH
1,1,1-Trichloroethane	ND	2.0	1.6		ND	11	8.6	40	6/24/22 21:38	TPH
1,1,2-Trichloroethane	ND	2.0	1.4		ND	11	7.7	40	6/24/22 21:38	TPH
Trichloroethylene	35	2.0	1.3		190	11	7.2	40	6/24/22 21:38	TPH
Trichlorofluoromethane (Freon 11)	ND	8.0	2.4		ND	45	13	40	6/24/22 21:38	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	8.0	2.2		ND	61	17	40	6/24/22 21:38	TPH
1,2,4-Trimethylbenzene	1.7	8.0	0.88	J	8.5	39	4.3	40	6/24/22 21:38	TPH
1,3,5-Trimethylbenzene	4.9	8.0	1.1	J	24	39	5.2	40	6/24/22 21:38	TPH
Vinyl Acetate	ND	40	11		ND	140	38	40	6/24/22 21:38	TPH
Vinyl Chloride	5.5	2.0	1.8		14	5.1	4.6	40	6/24/22 21:38	TPH
m&p-Xylene	ND	4.0	2.2		ND	17	9.7	40	6/24/22 21:38	TPH
o-Xylene	ND	2.0	1.0		ND	8.7	4.4	40	6/24/22 21:38	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	110	70-130	6/24/22 21:38
4-Bromofluorobenzene (1)	110	70-130	6/24/22 22:19

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE12
Sample ID: 22F1426-12
Sample Matrix: Soil Gas
Sampled: 6/20/2022 11:26

Sample Description/Location:
Sub Description/Location:
Canister ID: 2363
Canister Size: 3 liter
Flow Controller ID: 4332
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	230	20	12		550	48	29	10	6/24/22 18:53	TPH
Benzene	ND	0.50	0.38		ND	1.6	1.2	10	6/24/22 18:53	TPH
Benzyl chloride	ND	0.50	0.44		ND	2.6	2.3	10	6/24/22 18:53	TPH
Bromodichloromethane	ND	0.50	0.35		ND	3.4	2.3	10	6/24/22 18:53	TPH
Bromoform	ND	0.50	0.34		ND	5.2	3.5	10	6/24/22 18:53	TPH
Bromomethane	ND	0.50	0.33		ND	1.9	1.3	10	6/24/22 18:53	TPH
1,3-Butadiene	ND	0.50	0.42		ND	1.1	0.93	10	6/24/22 18:53	TPH
2-Butanone (MEK)	170	20	5.3		510	59	16	10	6/24/22 18:53	TPH
Carbon Disulfide	0.58	5.0	0.46	J	1.8	16	1.4	10	6/24/22 18:53	TPH
Carbon Tetrachloride	ND	0.50	0.40		ND	3.1	2.5	10	6/24/22 18:53	TPH
Chlorobenzene	ND	0.50	0.33		ND	2.3	1.5	10	6/24/22 18:53	TPH
Chloroethane	ND	0.50	0.44		ND	1.3	1.2	10	6/24/22 18:53	TPH
Chloroform	ND	0.50	0.48		ND	2.4	2.3	10	6/24/22 18:53	TPH
Chloromethane	1.2	1.0	0.40		2.4	2.1	0.82	10	6/24/22 18:53	TPH
Cyclohexane	2.4	0.50	0.30		8.3	1.7	1.0	10	6/24/22 18:53	TPH
Dibromochloromethane	ND	0.50	0.33		ND	4.3	2.8	10	6/24/22 18:53	TPH
1,2-Dibromoethane (EDB)	ND	0.50	0.30		ND	3.8	2.3	10	6/24/22 18:53	TPH
1,2-Dichlorobenzene	ND	0.50	0.29		ND	3.0	1.7	10	6/24/22 18:53	TPH
1,3-Dichlorobenzene	ND	0.50	0.28		ND	3.0	1.7	10	6/24/22 18:53	TPH
1,4-Dichlorobenzene	ND	0.50	0.33		ND	3.0	2.0	10	6/24/22 18:53	TPH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.49		ND	2.5	2.4	10	6/24/22 18:53	TPH
1,1-Dichloroethane	ND	0.50	0.44		ND	2.0	1.8	10	6/24/22 18:53	TPH
1,2-Dichloroethane	ND	0.50	0.45		ND	2.0	1.8	10	6/24/22 18:53	TPH
1,1-Dichloroethylene	ND	0.50	0.38		ND	2.0	1.5	10	6/24/22 18:53	TPH
cis-1,2-Dichloroethylene	3.8	0.50	0.36		15	2.0	1.4	10	6/24/22 18:53	TPH
trans-1,2-Dichloroethylene	ND	0.50	0.39		ND	2.0	1.6	10	6/24/22 18:53	TPH
1,2-Dichloropropane	ND	0.50	0.27		ND	2.3	1.3	10	6/24/22 18:53	TPH
cis-1,3-Dichloropropene	ND	0.50	0.26		ND	2.3	1.2	10	6/24/22 18:53	TPH
trans-1,3-Dichloropropene	ND	0.50	0.26		ND	2.3	1.2	10	6/24/22 18:53	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.50	0.49		ND	3.5	3.4	10	6/24/22 18:53	TPH
1,4-Dioxane	ND	5.0	0.42		ND	18	1.5	10	6/24/22 18:53	TPH
Ethanol	ND	20	8.8		ND	38	17	10	6/24/22 18:53	TPH
Ethyl Acetate	ND	5.0	2.5		ND	18	9.1	10	6/24/22 18:53	TPH
Ethylbenzene	ND	0.50	0.29		ND	2.2	1.3	10	6/24/22 18:53	TPH
4-Ethyltoluene	1.1	2.0	0.31	J	5.5	9.8	1.5	10	6/24/22 18:53	TPH
Heptane	0.34	0.50	0.32	J	1.4	2.0	1.3	10	6/24/22 18:53	TPH
Hexachlorobutadiene	ND	0.50	0.41		ND	5.3	4.4	10	6/24/22 18:53	TPH
Hexane	ND	20	2.6		ND	70	9.2	10	6/24/22 18:53	TPH
2-Hexanone (MBK)	ND	0.50	0.25		ND	2.0	1.0	10	6/24/22 18:53	TPH
Isopropanol	ND	20	3.4		ND	49	8.5	10	6/24/22 18:53	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.39		ND	1.8	1.4	10	6/24/22 18:53	TPH
Methylene Chloride	ND	5.0	2.3		ND	17	8.1	10	6/24/22 18:53	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.50	0.27		ND	2.0	1.1	10	6/24/22 18:53	TPH
Naphthalene	ND	0.50	0.38		ND	2.6	2.0	10	6/24/22 18:53	TPH
Propene	ND	20	4.4		ND	34	7.6	10	6/24/22 18:53	TPH
Styrene	ND	2.0	0.26		ND	8.5	1.1	10	6/24/22 18:53	TPH
1,1,2,2-Tetrachloroethane	ND	0.50	0.27		ND	3.4	1.9	10	6/24/22 18:53	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE12
Sample ID: 22F1426-12
Sample Matrix: Soil Gas
Sampled: 6/20/2022 11:26

Sample Description/Location:
Sub Description/Location:
Canister ID: 2363
Canister Size: 3 liter
Flow Controller ID: 4332
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	1700	7.5	5.7		11000	51	39	150	6/24/22 19:36	TPH
Tetrahydrofuran	360	5.0	0.82		1100	15	2.4	10	6/24/22 18:53	TPH
Toluene	0.52	0.50	0.29		2.0	1.9	1.1	10	6/24/22 18:53	TPH
1,2,4-Trichlorobenzene	ND	0.50	0.46		ND	3.7	3.4	10	6/24/22 18:53	TPH
1,1,1-Trichloroethane	ND	0.50	0.39		ND	2.7	2.1	10	6/24/22 18:53	TPH
1,1,2-Trichloroethane	ND	0.50	0.35		ND	2.7	1.9	10	6/24/22 18:53	TPH
Trichloroethylene	6.3	0.50	0.34		34	2.7	1.8	10	6/24/22 18:53	TPH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.59		ND	11	3.3	10	6/24/22 18:53	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.56		ND	15	4.3	10	6/24/22 18:53	TPH
1,2,4-Trimethylbenzene	7.5	2.0	0.22		37	9.8	1.1	10	6/24/22 18:53	TPH
1,3,5-Trimethylbenzene	6.1	2.0	0.26		30	9.8	1.3	10	6/24/22 18:53	TPH
Vinyl Acetate	ND	10	2.7		ND	35	9.5	10	6/24/22 18:53	TPH
Vinyl Chloride	ND	0.50	0.45		ND	1.3	1.2	10	6/24/22 18:53	TPH
m&p-Xylene	ND	1.0	0.56		ND	4.3	2.4	10	6/24/22 18:53	TPH
o-Xylene	0.49	0.50	0.26	J	2.1	2.2	1.1	10	6/24/22 18:53	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	103	70-130	6/24/22 18:53
4-Bromofluorobenzene (1)	105	70-130	6/24/22 19:36

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE13
Sample ID: 22F1426-13
Sample Matrix: Soil Gas
Sampled: 6/20/2022 11:56

Sample Description/Location:
Sub Description/Location:
Canister ID: 2431
Canister Size: 3 liter
Flow Controller ID: 4335
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	100	8.0	4.8		240	19	11	4	6/24/22 14:10	TPH
Benzene	ND	0.20	0.15		ND	0.64	0.48	4	6/24/22 14:10	TPH
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	6/24/22 14:10	TPH
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	6/24/22 14:10	TPH
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	6/24/22 14:10	TPH
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	6/24/22 14:10	TPH
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	6/24/22 14:10	TPH
2-Butanone (MEK)	62	8.0	2.1		180	24	6.3	4	6/24/22 14:10	TPH
Carbon Disulfide	1.1	2.0	0.18	J	3.4	6.2	0.58	4	6/24/22 14:10	TPH
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	6/24/22 14:10	TPH
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	6/24/22 14:10	TPH
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	6/24/22 14:10	TPH
Chloroform	ND	0.20	0.19		ND	0.98	0.93	4	6/24/22 14:10	TPH
Chloromethane	1.3	0.40	0.16		2.8	0.83	0.33	4	6/24/22 14:10	TPH
Cyclohexane	2.9	0.20	0.12		9.9	0.69	0.42	4	6/24/22 14:10	TPH
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	6/24/22 14:10	TPH
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	6/24/22 14:10	TPH
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	6/24/22 14:10	TPH
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	6/24/22 14:10	TPH
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	6/24/22 14:10	TPH
Dichlorodifluoromethane (Freon 12)	0.35	0.20	0.20		1.7	0.99	0.97	4	6/24/22 14:10	TPH
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	6/24/22 14:10	TPH
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	6/24/22 14:10	TPH
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	6/24/22 14:10	TPH
cis-1,2-Dichloroethylene	59	0.20	0.15		230	0.79	0.58	4	6/24/22 14:10	TPH
trans-1,2-Dichloroethylene	0.58	0.20	0.16		2.3	0.79	0.62	4	6/24/22 14:10	TPH
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	6/24/22 14:10	TPH
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	6/24/22 14:10	TPH
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	6/24/22 14:10	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	6/24/22 14:10	TPH
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	6/24/22 14:10	TPH
Ethanol	ND	8.0	3.5		ND	15	6.6	4	6/24/22 14:10	TPH
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	6/24/22 14:10	TPH
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	6/24/22 14:10	TPH
4-Ethyltoluene	0.72	0.80	0.12	J	3.5	3.9	0.60	4	6/24/22 14:10	TPH
Heptane	0.24	0.20	0.13		1.00	0.82	0.52	4	6/24/22 14:10	TPH
Hexachlorobutadiene	ND	0.20	0.16		ND	2.1	1.8	4	6/24/22 14:10	TPH
Hexane	ND	8.0	1.0		ND	28	3.7	4	6/24/22 14:10	TPH
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	6/24/22 14:10	TPH
Isopropanol	ND	8.0	1.4		ND	20	3.4	4	6/24/22 14:10	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	6/24/22 14:10	TPH
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	6/24/22 14:10	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	6/24/22 14:10	TPH
Naphthalene	0.26	0.20	0.15		1.4	1.0	0.79	4	6/24/22 14:10	TPH
Propene	ND	8.0	1.8		ND	14	3.0	4	6/24/22 14:10	TPH
Styrene	ND	0.80	0.11		ND	3.4	0.45	4	6/24/22 14:10	TPH
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	6/24/22 14:10	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE13
Sample ID: 22F1426-13
Sample Matrix: Soil Gas
Sampled: 6/20/2022 11:56

Sample Description/Location:
Sub Description/Location:
Canister ID: 2431
Canister Size: 3 liter
Flow Controller ID: 4335
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	180	3.0	2.3		1200	20	16	60	6/27/22 16:10	TPH
Tetrahydrofuran	990	30	4.9		2900	88	15	60	6/27/22 16:10	TPH
Toluene	0.23	0.20	0.11		0.87	0.75	0.43	4	6/24/22 14:10	TPH
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	6/24/22 14:10	TPH
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	6/24/22 14:10	TPH
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	6/24/22 14:10	TPH
Trichloroethylene	17	0.20	0.13		93	1.1	0.72	4	6/24/22 14:10	TPH
Trichlorofluoromethane (Freon 11)	0.24	0.80	0.24	J	1.3	4.5	1.3	4	6/24/22 14:10	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	6/24/22 14:10	TPH
1,2,4-Trimethylbenzene	3.8	0.80	0.088		19	3.9	0.43	4	6/24/22 14:10	TPH
1,3,5-Trimethylbenzene	13	0.80	0.11		64	3.9	0.52	4	6/24/22 14:10	TPH
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	6/24/22 14:10	TPH
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	6/24/22 14:10	TPH
m&p-Xylene	0.51	0.40	0.22		2.2	1.7	0.97	4	6/24/22 14:10	TPH
o-Xylene	0.80	0.20	0.10		3.5	0.87	0.44	4	6/24/22 14:10	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	105	70-130	6/24/22 14:10
4-Bromofluorobenzene (1)	100	70-130	6/27/22 16:10

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE14
Sample ID: 22F1426-14
Sample Matrix: Soil Gas
Sampled: 6/20/2022 11:57

Sample Description/Location:
Sub Description/Location:
Canister ID: 2388
Canister Size: 3 liter
Flow Controller ID: 4334
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -6.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	1200	720		ND	2900	1700	600	6/25/22 6:28	TPH
Benzene	ND	30	23		ND	96	73	600	6/25/22 6:28	TPH
Benzyl chloride	ND	30	26		ND	160	140	600	6/25/22 6:28	TPH
Bromodichloromethane	ND	30	21		ND	200	140	600	6/25/22 6:28	TPH
Bromoform	ND	30	20		ND	310	210	600	6/25/22 6:28	TPH
Bromomethane	ND	30	20		ND	120	78	600	6/25/22 6:28	TPH
1,3-Butadiene	ND	30	25		ND	66	56	600	6/25/22 6:28	TPH
2-Butanone (MEK)	ND	1200	320		ND	3500	940	600	6/25/22 6:28	TPH
Carbon Disulfide	ND	300	28		ND	930	86	600	6/25/22 6:28	TPH
Carbon Tetrachloride	ND	30	24		ND	190	150	600	6/25/22 6:28	TPH
Chlorobenzene	ND	30	20		ND	140	92	600	6/25/22 6:28	TPH
Chloroethane	ND	30	27		ND	79	70	600	6/25/22 6:28	TPH
Chloroform	ND	30	28		ND	150	140	600	6/25/22 6:28	TPH
Chloromethane	ND	60	24		ND	120	49	600	6/25/22 6:28	TPH
Cyclohexane	ND	30	18		ND	100	62	600	6/25/22 6:28	TPH
Dibromochloromethane	ND	30	20		ND	260	170	600	6/25/22 6:28	TPH
1,2-Dibromoethane (EDB)	ND	30	18		ND	230	140	600	6/25/22 6:28	TPH
1,2-Dichlorobenzene	ND	30	17		ND	180	100	600	6/25/22 6:28	TPH
1,3-Dichlorobenzene	ND	30	17		ND	180	100	600	6/25/22 6:28	TPH
1,4-Dichlorobenzene	ND	30	20		ND	180	120	600	6/25/22 6:28	TPH
Dichlorodifluoromethane (Freon 12)	ND	30	29		ND	150	140	600	6/25/22 6:28	TPH
1,1-Dichloroethane	ND	30	26		ND	120	110	600	6/25/22 6:28	TPH
1,2-Dichloroethane	ND	30	27		ND	120	110	600	6/25/22 6:28	TPH
1,1-Dichloroethylene	ND	30	23		ND	120	91	600	6/25/22 6:28	TPH
cis-1,2-Dichloroethylene	680	30	22		2700	120	87	600	6/25/22 6:28	TPH
trans-1,2-Dichloroethylene	ND	30	24		ND	120	93	600	6/25/22 6:28	TPH
1,2-Dichloropropane	ND	30	16		ND	140	75	600	6/25/22 6:28	TPH
cis-1,3-Dichloropropene	ND	30	16		ND	140	71	600	6/25/22 6:28	TPH
trans-1,3-Dichloropropene	ND	30	15		ND	140	70	600	6/25/22 6:28	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	30	30		ND	210	210	600	6/25/22 6:28	TPH
1,4-Dioxane	ND	300	25		ND	1100	90	600	6/25/22 6:28	TPH
Ethanol	770	1200	530	J	1500	2300	1000	600	6/25/22 6:28	TPH
Ethyl Acetate	ND	300	150		ND	1100	550	600	6/25/22 6:28	TPH
Ethylbenzene	ND	30	18		ND	130	76	600	6/25/22 6:28	TPH
4-Ethyltoluene	ND	120	18		ND	590	91	600	6/25/22 6:28	TPH
Heptane	ND	30	19		ND	120	79	600	6/25/22 6:28	TPH
Hexachlorobutadiene	ND	30	25		ND	320	260	600	6/25/22 6:28	TPH
Hexane	ND	1200	160		ND	4200	550	600	6/25/22 6:28	TPH
2-Hexanone (MBK)	ND	30	15		ND	120	61	600	6/25/22 6:28	TPH
Isopropanol	ND	1200	210		ND	2900	510	600	6/25/22 6:28	TPH
Methyl tert-Butyl Ether (MTBE)	ND	30	23		ND	110	84	600	6/25/22 6:28	TPH
Methylene Chloride	ND	300	140		ND	1000	480	600	6/25/22 6:28	TPH
4-Methyl-2-pentanone (MIBK)	ND	30	16		ND	120	66	600	6/25/22 6:28	TPH
Naphthalene	ND	30	23		ND	160	120	600	6/25/22 6:28	TPH
Propene	ND	1200	260		ND	2100	450	600	6/25/22 6:28	TPH
Styrene	ND	120	16		ND	510	67	600	6/25/22 6:28	TPH
1,1,2,2-Tetrachloroethane	ND	30	16		ND	210	110	600	6/25/22 6:28	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE14
Sample ID: 22F1426-14
Sample Matrix: Soil Gas
Sampled: 6/20/2022 11:57

Sample Description/Location:
Sub Description/Location:
Canister ID: 2388
Canister Size: 3 liter
Flow Controller ID: 4334
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -6.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	21000	30	23		140000	200	160	600	6/25/22 6:28	TPH
Tetrahydrofuran	300	300	49		900	880	150	600	6/25/22 6:28	TPH
Toluene	ND	30	17		ND	110	65	600	6/25/22 6:28	TPH
1,2,4-Trichlorobenzene	ND	30	28		ND	220	210	600	6/25/22 6:28	TPH
1,1,1-Trichloroethane	ND	30	24		ND	160	130	600	6/25/22 6:28	TPH
1,1,2-Trichloroethane	ND	30	21		ND	160	120	600	6/25/22 6:28	TPH
Trichloroethylene	1000	30	20		5500	160	110	600	6/25/22 6:28	TPH
Trichlorofluoromethane (Freon 11)	ND	120	35		ND	670	200	600	6/25/22 6:28	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	120	33		ND	920	260	600	6/25/22 6:28	TPH
1,2,4-Trimethylbenzene	ND	120	13		ND	590	65	600	6/25/22 6:28	TPH
1,3,5-Trimethylbenzene	20	120	16	J	100	590	78	600	6/25/22 6:28	TPH
Vinyl Acetate	ND	600	160		ND	2100	570	600	6/25/22 6:28	TPH
Vinyl Chloride	ND	30	27		ND	77	69	600	6/25/22 6:28	TPH
m&p-Xylene	ND	60	34		ND	260	150	600	6/25/22 6:28	TPH
o-Xylene	ND	30	15		ND	130	67	600	6/25/22 6:28	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	112	70-130	6/25/22 6:28

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE15
Sample ID: 22F1426-15
Sample Matrix: Soil Gas
Sampled: 6/20/2022 12:04

Sample Description/Location:
Sub Description/Location:
Canister ID: 2739
Canister Size: 3 liter
Flow Controller ID: 4353
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	1200	720		ND	2900	1700	600	6/28/22 0:47	TPH
Benzene	ND	30	23		ND	96	73	600	6/28/22 0:47	TPH
Benzyl chloride	ND	30	26		ND	160	140	600	6/28/22 0:47	TPH
Bromodichloromethane	ND	30	21		ND	200	140	600	6/28/22 0:47	TPH
Bromoform	ND	30	20		ND	310	210	600	6/28/22 0:47	TPH
Bromomethane	ND	30	20		ND	120	78	600	6/28/22 0:47	TPH
1,3-Butadiene	ND	30	25		ND	66	56	600	6/28/22 0:47	TPH
2-Butanone (MEK)	ND	1200	320		ND	3500	940	600	6/28/22 0:47	TPH
Carbon Disulfide	ND	300	28		ND	930	86	600	6/28/22 0:47	TPH
Carbon Tetrachloride	ND	30	24		ND	190	150	600	6/28/22 0:47	TPH
Chlorobenzene	ND	30	20		ND	140	92	600	6/28/22 0:47	TPH
Chloroethane	ND	30	27		ND	79	70	600	6/28/22 0:47	TPH
Chloroform	ND	30	28		ND	150	140	600	6/28/22 0:47	TPH
Chloromethane	ND	60	24		ND	120	49	600	6/28/22 0:47	TPH
Cyclohexane	ND	30	18		ND	100	62	600	6/28/22 0:47	TPH
Dibromochloromethane	ND	30	20		ND	260	170	600	6/28/22 0:47	TPH
1,2-Dibromoethane (EDB)	ND	30	18		ND	230	140	600	6/28/22 0:47	TPH
1,2-Dichlorobenzene	ND	30	17		ND	180	100	600	6/28/22 0:47	TPH
1,3-Dichlorobenzene	ND	30	17		ND	180	100	600	6/28/22 0:47	TPH
1,4-Dichlorobenzene	ND	30	20		ND	180	120	600	6/28/22 0:47	TPH
Dichlorodifluoromethane (Freon 12)	ND	30	29		ND	150	140	600	6/28/22 0:47	TPH
1,1-Dichloroethane	ND	30	26		ND	120	110	600	6/28/22 0:47	TPH
1,2-Dichloroethane	ND	30	27		ND	120	110	600	6/28/22 0:47	TPH
1,1-Dichloroethylene	ND	30	23		ND	120	91	600	6/28/22 0:47	TPH
cis-1,2-Dichloroethylene	180	30	22		730	120	87	600	6/28/22 0:47	TPH
trans-1,2-Dichloroethylene	ND	30	24		ND	120	93	600	6/28/22 0:47	TPH
1,2-Dichloropropane	ND	30	16		ND	140	75	600	6/28/22 0:47	TPH
cis-1,3-Dichloropropene	ND	30	16		ND	140	71	600	6/28/22 0:47	TPH
trans-1,3-Dichloropropene	ND	30	15		ND	140	70	600	6/28/22 0:47	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	30	30		ND	210	210	600	6/28/22 0:47	TPH
1,4-Dioxane	ND	300	25		ND	1100	90	600	6/28/22 0:47	TPH
Ethanol	ND	1200	530		ND	2300	1000	600	6/28/22 0:47	TPH
Ethyl Acetate	ND	300	150		ND	1100	550	600	6/28/22 0:47	TPH
Ethylbenzene	ND	30	18		ND	130	76	600	6/28/22 0:47	TPH
4-Ethyltoluene	20	120	18	J	97	590	91	600	6/28/22 0:47	TPH
Heptane	ND	30	19		ND	120	79	600	6/28/22 0:47	TPH
Hexachlorobutadiene	ND	30	25		ND	320	260	600	6/28/22 0:47	TPH
Hexane	ND	1200	160		ND	4200	550	600	6/28/22 0:47	TPH
2-Hexanone (MBK)	ND	30	15		ND	120	61	600	6/28/22 0:47	TPH
Isopropanol	ND	1200	210		ND	2900	510	600	6/28/22 0:47	TPH
Methyl tert-Butyl Ether (MTBE)	ND	30	23		ND	110	84	600	6/28/22 0:47	TPH
Methylene Chloride	ND	300	140		ND	1000	480	600	6/28/22 0:47	TPH
4-Methyl-2-pentanone (MIBK)	ND	30	16		ND	120	66	600	6/28/22 0:47	TPH
Naphthalene	ND	30	23		ND	160	120	600	6/28/22 0:47	TPH
Propene	ND	1200	260		ND	2100	450	600	6/28/22 0:47	TPH
Styrene	ND	120	16		ND	510	67	600	6/28/22 0:47	TPH
1,1,2,2-Tetrachloroethane	ND	30	16		ND	210	110	600	6/28/22 0:47	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE15
Sample ID: 22F1426-15
Sample Matrix: Soil Gas
Sampled: 6/20/2022 12:04

Sample Description/Location:
Sub Description/Location:
Canister ID: 2739
Canister Size: 3 liter
Flow Controller ID: 4353
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	8000	30	23		54000	200	160	600	6/28/22 0:47	TPH
Tetrahydrofuran	270	300	49	J	800	880	150	600	6/28/22 0:47	TPH
Toluene	ND	30	17		ND	110	65	600	6/28/22 0:47	TPH
1,2,4-Trichlorobenzene	ND	30	28		ND	220	210	600	6/28/22 0:47	TPH
1,1,1-Trichloroethane	ND	30	24		ND	160	130	600	6/28/22 0:47	TPH
1,1,2-Trichloroethane	ND	30	21		ND	160	120	600	6/28/22 0:47	TPH
Trichloroethylene	120	30	20		650	160	110	600	6/28/22 0:47	TPH
Trichlorofluoromethane (Freon 11)	ND	120	35		ND	670	200	600	6/28/22 0:47	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	120	33		ND	920	260	600	6/28/22 0:47	TPH
1,2,4-Trimethylbenzene	37	120	13	J	180	590	65	600	6/28/22 0:47	TPH
1,3,5-Trimethylbenzene	170	120	16		860	590	78	600	6/28/22 0:47	TPH
Vinyl Acetate	ND	600	160		ND	2100	570	600	6/28/22 0:47	TPH
Vinyl Chloride	ND	30	27		ND	77	69	600	6/28/22 0:47	TPH
m&p-Xylene	ND	60	34		ND	260	150	600	6/28/22 0:47	TPH
o-Xylene	35	30	15		150	130	67	600	6/28/22 0:47	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	6/28/22 0:47

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE16
Sample ID: 22F1426-16
Sample Matrix: Soil Gas
Sampled: 6/20/2022 12:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 2288
Canister Size: 3 liter
Flow Controller ID: 4350
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	420	120	72		990	290	170	60	6/28/22 10:25	TPH
Benzene	ND	3.0	2.3		ND	9.6	7.3	60	6/28/22 10:25	TPH
Benzyl chloride	ND	3.0	2.6		ND	16	14	60	6/28/22 10:25	TPH
Bromodichloromethane	ND	3.0	2.1		ND	20	14	60	6/28/22 10:25	TPH
Bromoform	ND	3.0	2.0		ND	31	21	60	6/28/22 10:25	TPH
Bromomethane	ND	3.0	2.0		ND	12	7.8	60	6/28/22 10:25	TPH
1,3-Butadiene	ND	3.0	2.5		ND	6.6	5.6	60	6/28/22 10:25	TPH
2-Butanone (MEK)	180	120	32		520	350	94	60	6/28/22 10:25	TPH
Carbon Disulfide	ND	30	2.8		ND	93	8.6	60	6/28/22 10:25	TPH
Carbon Tetrachloride	ND	3.0	2.4		ND	19	15	60	6/28/22 10:25	TPH
Chlorobenzene	ND	3.0	2.0		ND	14	9.2	60	6/28/22 10:25	TPH
Chloroethane	ND	3.0	2.7		ND	7.9	7.0	60	6/28/22 10:25	TPH
Chloroform	ND	3.0	2.8		ND	15	14	60	6/28/22 10:25	TPH
Chloromethane	ND	6.0	2.4		ND	12	4.9	60	6/28/22 10:25	TPH
Cyclohexane	ND	3.0	1.8		ND	10	6.2	60	6/28/22 10:25	TPH
Dibromochloromethane	ND	3.0	2.0		ND	26	17	60	6/28/22 10:25	TPH
1,2-Dibromoethane (EDB)	ND	3.0	1.8		ND	23	14	60	6/28/22 10:25	TPH
1,2-Dichlorobenzene	ND	3.0	1.7		ND	18	10	60	6/28/22 10:25	TPH
1,3-Dichlorobenzene	ND	3.0	1.7		ND	18	10.0	60	6/28/22 10:25	TPH
1,4-Dichlorobenzene	ND	3.0	2.0		ND	18	12	60	6/28/22 10:25	TPH
Dichlorodifluoromethane (Freon 12)	ND	3.0	2.9		ND	15	14	60	6/28/22 10:25	TPH
1,1-Dichloroethane	ND	3.0	2.6		ND	12	11	60	6/28/22 10:25	TPH
1,2-Dichloroethane	ND	3.0	2.7		ND	12	11	60	6/28/22 10:25	TPH
1,1-Dichloroethylene	ND	3.0	2.3		ND	12	9.1	60	6/28/22 10:25	TPH
cis-1,2-Dichloroethylene	31	3.0	2.2		120	12	8.7	60	6/28/22 10:25	TPH
trans-1,2-Dichloroethylene	ND	3.0	2.4		ND	12	9.3	60	6/28/22 10:25	TPH
1,2-Dichloropropane	ND	3.0	1.6		ND	14	7.5	60	6/28/22 10:25	TPH
cis-1,3-Dichloropropene	ND	3.0	1.6		ND	14	7.1	60	6/28/22 10:25	TPH
trans-1,3-Dichloropropene	ND	3.0	1.5		ND	14	7.0	60	6/28/22 10:25	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	3.0	3.0		ND	21	21	60	6/28/22 10:25	TPH
1,4-Dioxane	ND	30	2.5		ND	110	9.0	60	6/28/22 10:25	TPH
Ethanol	ND	120	53		ND	230	100	60	6/28/22 10:25	TPH
Ethyl Acetate	ND	30	15		ND	110	55	60	6/28/22 10:25	TPH
Ethylbenzene	ND	3.0	1.8		ND	13	7.6	60	6/28/22 10:25	TPH
4-Ethyltoluene	ND	12	1.8		ND	59	9.1	60	6/28/22 10:25	TPH
Heptane	ND	3.0	1.9		ND	12	7.9	60	6/28/22 10:25	TPH
Hexachlorobutadiene	ND	3.0	2.5		ND	32	26	60	6/28/22 10:25	TPH
Hexane	ND	120	16		ND	420	55	60	6/28/22 10:25	TPH
2-Hexanone (MBK)	ND	3.0	1.5		ND	12	6.1	60	6/28/22 10:25	TPH
Isopropanol	ND	120	21		ND	290	51	60	6/28/22 10:25	TPH
Methyl tert-Butyl Ether (MTBE)	ND	3.0	2.3		ND	11	8.4	60	6/28/22 10:25	TPH
Methylene Chloride	ND	30	14		ND	100	48	60	6/28/22 10:25	TPH
4-Methyl-2-pentanone (MIBK)	ND	3.0	1.6		ND	12	6.6	60	6/28/22 10:25	TPH
Naphthalene	ND	3.0	2.3		ND	16	12	60	6/28/22 10:25	TPH
Propene	ND	120	26		ND	210	45	60	6/28/22 10:25	TPH
Styrene	ND	12	1.6		ND	51	6.7	60	6/28/22 10:25	TPH
1,1,2,2-Tetrachloroethane	ND	3.0	1.6		ND	21	11	60	6/28/22 10:25	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE16
Sample ID: 22F1426-16
Sample Matrix: Soil Gas
Sampled: 6/20/2022 12:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 2288
Canister Size: 3 liter
Flow Controller ID: 4350
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	4700	30	23		32000	200	160	600	6/28/22 2:07	TPH
Tetrahydrofuran	260	30	4.9		760	88	15	60	6/28/22 10:25	TPH
Toluene	ND	3.0	1.7		ND	11	6.5	60	6/28/22 10:25	TPH
1,2,4-Trichlorobenzene	ND	3.0	2.8		ND	22	21	60	6/28/22 10:25	TPH
1,1,1-Trichloroethane	ND	3.0	2.4		ND	16	13	60	6/28/22 10:25	TPH
1,1,2-Trichloroethane	ND	3.0	2.1		ND	16	12	60	6/28/22 10:25	TPH
Trichloroethylene	86	3.0	2.0		460	16	11	60	6/28/22 10:25	TPH
Trichlorofluoromethane (Freon 11)	ND	12	3.5		ND	67	20	60	6/28/22 10:25	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	12	3.3		ND	92	26	60	6/28/22 10:25	TPH
1,2,4-Trimethylbenzene	1.7	12	1.3	J	8.6	59	6.5	60	6/28/22 10:25	TPH
1,3,5-Trimethylbenzene	3.3	12	1.6	J	16	59	7.8	60	6/28/22 10:25	TPH
Vinyl Acetate	ND	60	16		ND	210	57	60	6/28/22 10:25	TPH
Vinyl Chloride	ND	3.0	2.7		ND	7.7	6.9	60	6/28/22 10:25	TPH
m&p-Xylene	ND	6.0	3.4		ND	26	15	60	6/28/22 10:25	TPH
o-Xylene	ND	3.0	1.5		ND	13	6.7	60	6/28/22 10:25	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	6/28/22 2:07
4-Bromofluorobenzene (1)	102	70-130	6/28/22 10:25

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE17
Sample ID: 22F1426-17
Sample Matrix: Soil Gas
Sampled: 6/20/2022 12:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 2433
Canister Size: 3 liter
Flow Controller ID: 4344
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	130	8.0	4.8		300	19	11	4	6/27/22 16:50	TPH
Benzene	ND	0.20	0.15		ND	0.64	0.48	4	6/27/22 16:50	TPH
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	6/27/22 16:50	TPH
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	6/27/22 16:50	TPH
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	6/27/22 16:50	TPH
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	6/27/22 16:50	TPH
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	6/27/22 16:50	TPH
2-Butanone (MEK)	98	8.0	2.1		290	24	6.3	4	6/27/22 16:50	TPH
Carbon Disulfide	0.84	2.0	0.18	J	2.6	6.2	0.58	4	6/27/22 16:50	TPH
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	6/27/22 16:50	TPH
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	6/27/22 16:50	TPH
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	6/27/22 16:50	TPH
Chloroform	0.34	0.20	0.19		1.6	0.98	0.93	4	6/27/22 16:50	TPH
Chloromethane	1.2	0.40	0.16		2.5	0.83	0.33	4	6/27/22 16:50	TPH
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	6/27/22 16:50	TPH
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	6/27/22 16:50	TPH
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	6/27/22 16:50	TPH
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	6/27/22 16:50	TPH
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	6/27/22 16:50	TPH
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	6/27/22 16:50	TPH
Dichlorodifluoromethane (Freon 12)	0.46	0.20	0.20		2.3	0.99	0.97	4	6/27/22 16:50	TPH
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	6/27/22 16:50	TPH
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	6/27/22 16:50	TPH
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	6/27/22 16:50	TPH
cis-1,2-Dichloroethylene	44	0.20	0.15		180	0.79	0.58	4	6/27/22 16:50	TPH
trans-1,2-Dichloroethylene	0.30	0.20	0.16		1.2	0.79	0.62	4	6/27/22 16:50	TPH
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	6/27/22 16:50	TPH
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	6/27/22 16:50	TPH
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	6/27/22 16:50	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	6/27/22 16:50	TPH
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	6/27/22 16:50	TPH
Ethanol	ND	8.0	3.5		ND	15	6.6	4	6/27/22 16:50	TPH
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	6/27/22 16:50	TPH
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	6/27/22 16:50	TPH
4-Ethyltoluene	0.41	0.80	0.12	J	2.0	3.9	0.60	4	6/27/22 16:50	TPH
Heptane	ND	0.20	0.13		ND	0.82	0.52	4	6/27/22 16:50	TPH
Hexachlorobutadiene	ND	0.20	0.16		ND	2.1	1.8	4	6/27/22 16:50	TPH
Hexane	ND	8.0	1.0		ND	28	3.7	4	6/27/22 16:50	TPH
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	6/27/22 16:50	TPH
Isopropanol	ND	8.0	1.4		ND	20	3.4	4	6/27/22 16:50	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	6/27/22 16:50	TPH
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	6/27/22 16:50	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	6/27/22 16:50	TPH
Naphthalene	0.21	0.20	0.15		1.1	1.0	0.79	4	6/27/22 16:50	TPH
Propene	ND	8.0	1.8		ND	14	3.0	4	6/27/22 16:50	TPH
Styrene	ND	0.80	0.11		ND	3.4	0.45	4	6/27/22 16:50	TPH
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	6/27/22 16:50	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE17
Sample ID: 22F1426-17
Sample Matrix: Soil Gas
Sampled: 6/20/2022 12:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 2433
Canister Size: 3 liter
Flow Controller ID: 4344
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	87	0.20	0.15		590	1.4	1.0	4	6/27/22 16:50	TPH
Tetrahydrofuran	340	20	3.3		990	59	9.7	40	6/27/22 17:29	TPH
Toluene	ND	0.20	0.11		ND	0.75	0.43	4	6/27/22 16:50	TPH
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	6/27/22 16:50	TPH
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	6/27/22 16:50	TPH
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	6/27/22 16:50	TPH
Trichloroethylene	2.3	0.20	0.13		12	1.1	0.72	4	6/27/22 16:50	TPH
Trichlorofluoromethane (Freon 11)	0.27	0.80	0.24	J	1.5	4.5	1.3	4	6/27/22 16:50	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	6/27/22 16:50	TPH
1,2,4-Trimethylbenzene	2.8	0.80	0.088		14	3.9	0.43	4	6/27/22 16:50	TPH
1,3,5-Trimethylbenzene	3.3	0.80	0.11		16	3.9	0.52	4	6/27/22 16:50	TPH
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	6/27/22 16:50	TPH
Vinyl Chloride	0.22	0.20	0.18		0.55	0.51	0.46	4	6/27/22 16:50	TPH
m&p-Xylene	ND	0.40	0.22		ND	1.7	0.97	4	6/27/22 16:50	TPH
o-Xylene	ND	0.20	0.10		ND	0.87	0.44	4	6/27/22 16:50	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.5	70-130	6/27/22 17:29
4-Bromofluorobenzene (1)	98.8	70-130	6/27/22 16:50

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE18
Sample ID: 22F1426-18
Sample Matrix: Soil Gas
Sampled: 6/20/2022 12:42

Sample Description/Location:
Sub Description/Location:
Canister ID: 2416
Canister Size: 3 liter
Flow Controller ID: 4331
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	210	80	48		500	190	110	40	6/27/22 23:26	TPH
Benzene	ND	2.0	1.5		ND	6.4	4.8	40	6/27/22 23:26	TPH
Benzyl chloride	ND	2.0	1.8		ND	10	9.1	40	6/27/22 23:26	TPH
Bromodichloromethane	ND	2.0	1.4		ND	13	9.4	40	6/27/22 23:26	TPH
Bromoform	ND	2.0	1.4		ND	21	14	40	6/27/22 23:26	TPH
Bromomethane	ND	2.0	1.3		ND	7.8	5.2	40	6/27/22 23:26	TPH
1,3-Butadiene	ND	2.0	1.7		ND	4.4	3.7	40	6/27/22 23:26	TPH
2-Butanone (MEK)	110	80	21		320	240	63	40	6/27/22 23:26	TPH
Carbon Disulfide	ND	20	1.8		ND	62	5.8	40	6/27/22 23:26	TPH
Carbon Tetrachloride	ND	2.0	1.6		ND	13	10	40	6/27/22 23:26	TPH
Chlorobenzene	ND	2.0	1.3		ND	9.2	6.1	40	6/27/22 23:26	TPH
Chloroethane	ND	2.0	1.8		ND	5.3	4.7	40	6/27/22 23:26	TPH
Chloroform	ND	2.0	1.9		ND	9.8	9.3	40	6/27/22 23:26	TPH
Chloromethane	ND	4.0	1.6		ND	8.3	3.3	40	6/27/22 23:26	TPH
Cyclohexane	ND	2.0	1.2		ND	6.9	4.2	40	6/27/22 23:26	TPH
Dibromochloromethane	ND	2.0	1.3		ND	17	11	40	6/27/22 23:26	TPH
1,2-Dibromoethane (EDB)	ND	2.0	1.2		ND	15	9.3	40	6/27/22 23:26	TPH
1,2-Dichlorobenzene	ND	2.0	1.1		ND	12	6.9	40	6/27/22 23:26	TPH
1,3-Dichlorobenzene	ND	2.0	1.1		ND	12	6.7	40	6/27/22 23:26	TPH
1,4-Dichlorobenzene	ND	2.0	1.3		ND	12	7.9	40	6/27/22 23:26	TPH
Dichlorodifluoromethane (Freon 12)	ND	2.0	2.0		ND	9.9	9.7	40	6/27/22 23:26	TPH
1,1-Dichloroethane	ND	2.0	1.7		ND	8.1	7.1	40	6/27/22 23:26	TPH
1,2-Dichloroethane	ND	2.0	1.8		ND	8.1	7.3	40	6/27/22 23:26	TPH
1,1-Dichloroethylene	ND	2.0	1.5		ND	7.9	6.0	40	6/27/22 23:26	TPH
cis-1,2-Dichloroethylene	24	2.0	1.5		95	7.9	5.8	40	6/27/22 23:26	TPH
trans-1,2-Dichloroethylene	ND	2.0	1.6		ND	7.9	6.2	40	6/27/22 23:26	TPH
1,2-Dichloropropane	ND	2.0	1.1		ND	9.2	5.0	40	6/27/22 23:26	TPH
cis-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.7	40	6/27/22 23:26	TPH
trans-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.6	40	6/27/22 23:26	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	2.0		ND	14	14	40	6/27/22 23:26	TPH
1,4-Dioxane	ND	20	1.7		ND	72	6.0	40	6/27/22 23:26	TPH
Ethanol	ND	80	35		ND	150	66	40	6/27/22 23:26	TPH
Ethyl Acetate	ND	20	10		ND	72	36	40	6/27/22 23:26	TPH
Ethylbenzene	ND	2.0	1.2		ND	8.7	5.1	40	6/27/22 23:26	TPH
4-Ethyltoluene	11	8.0	1.2		56	39	6.0	40	6/27/22 23:26	TPH
Heptane	ND	2.0	1.3		ND	8.2	5.2	40	6/27/22 23:26	TPH
Hexachlorobutadiene	ND	2.0	1.6		ND	21	18	40	6/27/22 23:26	TPH
Hexane	ND	80	10		ND	280	37	40	6/27/22 23:26	TPH
2-Hexanone (MBK)	ND	2.0	1.0		ND	8.2	4.1	40	6/27/22 23:26	TPH
Isopropanol	ND	80	14		ND	200	34	40	6/27/22 23:26	TPH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	1.5		ND	7.2	5.6	40	6/27/22 23:26	TPH
Methylene Chloride	ND	20	9.3		ND	69	32	40	6/27/22 23:26	TPH
4-Methyl-2-pentanone (MIBK)	ND	2.0	1.1		ND	8.2	4.4	40	6/27/22 23:26	TPH
Naphthalene	ND	2.0	1.5		ND	10	7.9	40	6/27/22 23:26	TPH
Propene	ND	80	18		ND	140	30	40	6/27/22 23:26	TPH
Styrene	ND	8.0	1.1		ND	34	4.5	40	6/27/22 23:26	TPH
1,1,2,2-Tetrachloroethane	ND	2.0	1.1		ND	14	7.4	40	6/27/22 23:26	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE18
Sample ID: 22F1426-18
Sample Matrix: Soil Gas
Sampled: 6/20/2022 12:42

Sample Description/Location:
Sub Description/Location:
Canister ID: 2416
Canister Size: 3 liter
Flow Controller ID: 4331
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	1500	2.0	1.5		10000	14	10	40	6/27/22 23:26	TPH
Tetrahydrofuran	150	20	3.3		440	59	9.7	40	6/27/22 23:26	TPH
Toluene	ND	2.0	1.1		ND	7.5	4.3	40	6/27/22 23:26	TPH
1,2,4-Trichlorobenzene	ND	2.0	1.9		ND	15	14	40	6/27/22 23:26	TPH
1,1,1-Trichloroethane	ND	2.0	1.6		ND	11	8.6	40	6/27/22 23:26	TPH
1,1,2-Trichloroethane	ND	2.0	1.4		ND	11	7.7	40	6/27/22 23:26	TPH
Trichloroethylene	11	2.0	1.3		60	11	7.2	40	6/27/22 23:26	TPH
Trichlorofluoromethane (Freon 11)	ND	8.0	2.4		ND	45	13	40	6/27/22 23:26	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	8.0	2.2		ND	61	17	40	6/27/22 23:26	TPH
1,2,4-Trimethylbenzene	27	8.0	0.88		130	39	4.3	40	6/27/22 23:26	TPH
1,3,5-Trimethylbenzene	110	8.0	1.1		560	39	5.2	40	6/27/22 23:26	TPH
Vinyl Acetate	ND	40	11		ND	140	38	40	6/27/22 23:26	TPH
Vinyl Chloride	ND	2.0	1.8		ND	5.1	4.6	40	6/27/22 23:26	TPH
m&p-Xylene	5.0	4.0	2.2		22	17	9.7	40	6/27/22 23:26	TPH
o-Xylene	11	2.0	1.0		48	8.7	4.4	40	6/27/22 23:26	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	6/27/22 23:26

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE15 Duplicate
Sample ID: 22F1426-19
Sample Matrix: Soil Gas
Sampled: 6/20/2022 12:04

Sample Description/Location:
Sub Description/Location:
Canister ID: 2731
Canister Size: 3 liter
Flow Controller ID: 4354
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	850	1200	720	J	2000	2900	1700	600	6/28/22 3:27	TPH
Benzene	ND	30	23		ND	96	73	600	6/28/22 3:27	TPH
Benzyl chloride	ND	30	26		ND	160	140	600	6/28/22 3:27	TPH
Bromodichloromethane	ND	30	21		ND	200	140	600	6/28/22 3:27	TPH
Bromoform	ND	30	20		ND	310	210	600	6/28/22 3:27	TPH
Bromomethane	ND	30	20		ND	120	78	600	6/28/22 3:27	TPH
1,3-Butadiene	ND	30	25		ND	66	56	600	6/28/22 3:27	TPH
2-Butanone (MEK)	ND	1200	320		ND	3500	940	600	6/28/22 3:27	TPH
Carbon Disulfide	ND	300	28		ND	930	86	600	6/28/22 3:27	TPH
Carbon Tetrachloride	ND	30	24		ND	190	150	600	6/28/22 3:27	TPH
Chlorobenzene	ND	30	20		ND	140	92	600	6/28/22 3:27	TPH
Chloroethane	ND	30	27		ND	79	70	600	6/28/22 3:27	TPH
Chloroform	ND	30	28		ND	150	140	600	6/28/22 3:27	TPH
Chloromethane	ND	60	24		ND	120	49	600	6/28/22 3:27	TPH
Cyclohexane	ND	30	18		ND	100	62	600	6/28/22 3:27	TPH
Dibromochloromethane	ND	30	20		ND	260	170	600	6/28/22 3:27	TPH
1,2-Dibromoethane (EDB)	ND	30	18		ND	230	140	600	6/28/22 3:27	TPH
1,2-Dichlorobenzene	ND	30	17		ND	180	100	600	6/28/22 3:27	TPH
1,3-Dichlorobenzene	ND	30	17		ND	180	100	600	6/28/22 3:27	TPH
1,4-Dichlorobenzene	ND	30	20		ND	180	120	600	6/28/22 3:27	TPH
Dichlorodifluoromethane (Freon 12)	ND	30	29		ND	150	140	600	6/28/22 3:27	TPH
1,1-Dichloroethane	ND	30	26		ND	120	110	600	6/28/22 3:27	TPH
1,2-Dichloroethane	ND	30	27		ND	120	110	600	6/28/22 3:27	TPH
1,1-Dichloroethylene	ND	30	23		ND	120	91	600	6/28/22 3:27	TPH
cis-1,2-Dichloroethylene	91	30	22		360	120	87	600	6/28/22 3:27	TPH
trans-1,2-Dichloroethylene	ND	30	24		ND	120	93	600	6/28/22 3:27	TPH
1,2-Dichloropropane	ND	30	16		ND	140	75	600	6/28/22 3:27	TPH
cis-1,3-Dichloropropene	ND	30	16		ND	140	71	600	6/28/22 3:27	TPH
trans-1,3-Dichloropropene	ND	30	15		ND	140	70	600	6/28/22 3:27	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	30	30		ND	210	210	600	6/28/22 3:27	TPH
1,4-Dioxane	ND	300	25		ND	1100	90	600	6/28/22 3:27	TPH
Ethanol	640	1200	530	J	1200	2300	1000	600	6/28/22 3:27	TPH
Ethyl Acetate	ND	300	150		ND	1100	550	600	6/28/22 3:27	TPH
Ethylbenzene	ND	30	18		ND	130	76	600	6/28/22 3:27	TPH
4-Ethyltoluene	28	120	18	J	140	590	91	600	6/28/22 3:27	TPH
Heptane	ND	30	19		ND	120	79	600	6/28/22 3:27	TPH
Hexachlorobutadiene	ND	30	25		ND	320	260	600	6/28/22 3:27	TPH
Hexane	ND	1200	160		ND	4200	550	600	6/28/22 3:27	TPH
2-Hexanone (MBK)	ND	30	15		ND	120	61	600	6/28/22 3:27	TPH
Isopropanol	ND	1200	210		ND	2900	510	600	6/28/22 3:27	TPH
Methyl tert-Butyl Ether (MTBE)	ND	30	23		ND	110	84	600	6/28/22 3:27	TPH
Methylene Chloride	ND	300	140		ND	1000	480	600	6/28/22 3:27	TPH
4-Methyl-2-pentanone (MIBK)	ND	30	16		ND	120	66	600	6/28/22 3:27	TPH
Naphthalene	ND	30	23		ND	160	120	600	6/28/22 3:27	TPH
Propene	ND	1200	260		ND	2100	450	600	6/28/22 3:27	TPH
Styrene	ND	120	16		ND	510	67	600	6/28/22 3:27	TPH
1,1,2,2-Tetrachloroethane	ND	30	16		ND	210	110	600	6/28/22 3:27	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: SVE15 Duplicate
Sample ID: 22F1426-19
Sample Matrix: Soil Gas
Sampled: 6/20/2022 12:04

Sample Description/Location:
Sub Description/Location:
Canister ID: 2731
Canister Size: 3 liter
Flow Controller ID: 4354
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	9900	30	23		67000	200	160	600	6/28/22 3:27	TPH
Tetrahydrofuran	300	300	49	J	870	880	150	600	6/28/22 3:27	TPH
Toluene	ND	30	17		ND	110	65	600	6/28/22 3:27	TPH
1,2,4-Trichlorobenzene	ND	30	28		ND	220	210	600	6/28/22 3:27	TPH
1,1,1-Trichloroethane	ND	30	24		ND	160	130	600	6/28/22 3:27	TPH
1,1,2-Trichloroethane	ND	30	21		ND	160	120	600	6/28/22 3:27	TPH
Trichloroethylene	110	30	20		610	160	110	600	6/28/22 3:27	TPH
Trichlorofluoromethane (Freon 11)	ND	120	35		ND	670	200	600	6/28/22 3:27	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	120	33		ND	920	260	600	6/28/22 3:27	TPH
1,2,4-Trimethylbenzene	94	120	13	J	460	590	65	600	6/28/22 3:27	TPH
1,3,5-Trimethylbenzene	180	120	16		880	590	78	600	6/28/22 3:27	TPH
Vinyl Acetate	ND	600	160		ND	2100	570	600	6/28/22 3:27	TPH
Vinyl Chloride	ND	30	27		ND	77	69	600	6/28/22 3:27	TPH
m&p-Xylene	ND	60	34		ND	260	150	600	6/28/22 3:27	TPH
o-Xylene	35	30	15		150	130	67	600	6/28/22 3:27	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	103	70-130	6/28/22 3:27

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: Influent
Sample ID: 22F1426-20
Sample Matrix: Soil Gas
Sampled: 6/20/2022 13:35

Sample Description/Location:
Sub Description/Location:
Canister ID: 2763
Canister Size: 3 liter
Flow Controller ID: 4329
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	1200	720		ND	2900	1700	600	6/28/22 4:47	TPH
Benzene	ND	30	23		ND	96	73	600	6/28/22 4:47	TPH
Benzyl chloride	ND	30	26		ND	160	140	600	6/28/22 4:47	TPH
Bromodichloromethane	ND	30	21		ND	200	140	600	6/28/22 4:47	TPH
Bromoform	ND	30	20		ND	310	210	600	6/28/22 4:47	TPH
Bromomethane	ND	30	20		ND	120	78	600	6/28/22 4:47	TPH
1,3-Butadiene	ND	30	25		ND	66	56	600	6/28/22 4:47	TPH
2-Butanone (MEK)	ND	1200	320		ND	3500	940	600	6/28/22 4:47	TPH
Carbon Disulfide	ND	300	28		ND	930	86	600	6/28/22 4:47	TPH
Carbon Tetrachloride	ND	30	24		ND	190	150	600	6/28/22 4:47	TPH
Chlorobenzene	ND	30	20		ND	140	92	600	6/28/22 4:47	TPH
Chloroethane	ND	30	27		ND	79	70	600	6/28/22 4:47	TPH
Chloroform	ND	30	28		ND	150	140	600	6/28/22 4:47	TPH
Chloromethane	ND	60	24		ND	120	49	600	6/28/22 4:47	TPH
Cyclohexane	ND	30	18		ND	100	62	600	6/28/22 4:47	TPH
Dibromochloromethane	ND	30	20		ND	260	170	600	6/28/22 4:47	TPH
1,2-Dibromoethane (EDB)	ND	30	18		ND	230	140	600	6/28/22 4:47	TPH
1,2-Dichlorobenzene	ND	30	17		ND	180	100	600	6/28/22 4:47	TPH
1,3-Dichlorobenzene	ND	30	17		ND	180	100	600	6/28/22 4:47	TPH
1,4-Dichlorobenzene	ND	30	20		ND	180	120	600	6/28/22 4:47	TPH
Dichlorodifluoromethane (Freon 12)	ND	30	29		ND	150	140	600	6/28/22 4:47	TPH
1,1-Dichloroethane	ND	30	26		ND	120	110	600	6/28/22 4:47	TPH
1,2-Dichloroethane	ND	30	27		ND	120	110	600	6/28/22 4:47	TPH
1,1-Dichloroethylene	ND	30	23		ND	120	91	600	6/28/22 4:47	TPH
cis-1,2-Dichloroethylene	740	30	22		2900	120	87	600	6/28/22 4:47	TPH
trans-1,2-Dichloroethylene	ND	30	24		ND	120	93	600	6/28/22 4:47	TPH
1,2-Dichloropropane	ND	30	16		ND	140	75	600	6/28/22 4:47	TPH
cis-1,3-Dichloropropene	ND	30	16		ND	140	71	600	6/28/22 4:47	TPH
trans-1,3-Dichloropropene	ND	30	15		ND	140	70	600	6/28/22 4:47	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	30	30		ND	210	210	600	6/28/22 4:47	TPH
1,4-Dioxane	ND	300	25		ND	1100	90	600	6/28/22 4:47	TPH
Ethanol	ND	1200	530		ND	2300	1000	600	6/28/22 4:47	TPH
Ethyl Acetate	ND	300	150		ND	1100	550	600	6/28/22 4:47	TPH
Ethylbenzene	ND	30	18		ND	130	76	600	6/28/22 4:47	TPH
4-Ethyltoluene	ND	120	18		ND	590	91	600	6/28/22 4:47	TPH
Heptane	ND	30	19		ND	120	79	600	6/28/22 4:47	TPH
Hexachlorobutadiene	ND	30	25		ND	320	260	600	6/28/22 4:47	TPH
Hexane	ND	1200	160		ND	4200	550	600	6/28/22 4:47	TPH
2-Hexanone (MBK)	ND	30	15		ND	120	61	600	6/28/22 4:47	TPH
Isopropanol	ND	1200	210		ND	2900	510	600	6/28/22 4:47	TPH
Methyl tert-Butyl Ether (MTBE)	ND	30	23		ND	110	84	600	6/28/22 4:47	TPH
Methylene Chloride	ND	300	140		ND	1000	480	600	6/28/22 4:47	TPH
4-Methyl-2-pentanone (MIBK)	ND	30	16		ND	120	66	600	6/28/22 4:47	TPH
Naphthalene	ND	30	23		ND	160	120	600	6/28/22 4:47	TPH
Propene	ND	1200	260		ND	2100	450	600	6/28/22 4:47	TPH
Styrene	ND	120	16		ND	510	67	600	6/28/22 4:47	TPH
1,1,2,2-Tetrachloroethane	ND	30	16		ND	210	110	600	6/28/22 4:47	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: Influent
Sample ID: 22F1426-20
Sample Matrix: Soil Gas
Sampled: 6/20/2022 13:35

Sample Description/Location:
Sub Description/Location:
Canister ID: 2763
Canister Size: 3 liter
Flow Controller ID: 4329
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	8600	30	23		58000	200	160	600	6/28/22 4:47	TPH
Tetrahydrofuran	ND	300	49		ND	880	150	600	6/28/22 4:47	TPH
Toluene	ND	30	17		ND	110	65	600	6/28/22 4:47	TPH
1,2,4-Trichlorobenzene	ND	30	28		ND	220	210	600	6/28/22 4:47	TPH
1,1,1-Trichloroethane	ND	30	24		ND	160	130	600	6/28/22 4:47	TPH
1,1,2-Trichloroethane	ND	30	21		ND	160	120	600	6/28/22 4:47	TPH
Trichloroethylene	120	30	20		640	160	110	600	6/28/22 4:47	TPH
Trichlorofluoromethane (Freon 11)	ND	120	35		ND	670	200	600	6/28/22 4:47	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	120	33		ND	920	260	600	6/28/22 4:47	TPH
1,2,4-Trimethylbenzene	110	120	13	J	540	590	65	600	6/28/22 4:47	TPH
1,3,5-Trimethylbenzene	120	120	16		600	590	78	600	6/28/22 4:47	TPH
Vinyl Acetate	ND	600	160		ND	2100	570	600	6/28/22 4:47	TPH
Vinyl Chloride	ND	30	27		ND	77	69	600	6/28/22 4:47	TPH
m&p-Xylene	ND	60	34		ND	260	150	600	6/28/22 4:47	TPH
o-Xylene	ND	30	15		ND	130	67	600	6/28/22 4:47	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	102	70-130	6/28/22 4:47

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: Effluent
Sample ID: 22F1426-21
Sample Matrix: Soil Gas
Sampled: 6/20/2022 13:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 2722
Canister Size: 3 liter
Flow Controller ID: 4121
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -6.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	10	8.0	4.8		24	19	11	4	6/27/22 18:09	TPH
Benzene	ND	0.20	0.15		ND	0.64	0.48	4	6/27/22 18:09	TPH
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	6/27/22 18:09	TPH
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	6/27/22 18:09	TPH
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	6/27/22 18:09	TPH
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	6/27/22 18:09	TPH
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	6/27/22 18:09	TPH
2-Butanone (MEK)	3.9	8.0	2.1	J	11	24	6.3	4	6/27/22 18:09	TPH
Carbon Disulfide	ND	2.0	0.18		ND	6.2	0.58	4	6/27/22 18:09	TPH
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	6/27/22 18:09	TPH
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	6/27/22 18:09	TPH
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	6/27/22 18:09	TPH
Chloroform	0.72	0.20	0.19		3.5	0.98	0.93	4	6/27/22 18:09	TPH
Chloromethane	0.44	0.40	0.16		0.91	0.83	0.33	4	6/27/22 18:09	TPH
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	6/27/22 18:09	TPH
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	6/27/22 18:09	TPH
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	6/27/22 18:09	TPH
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	6/27/22 18:09	TPH
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	6/27/22 18:09	TPH
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	6/27/22 18:09	TPH
Dichlorodifluoromethane (Freon 12)	0.68	0.20	0.20		3.3	0.99	0.97	4	6/27/22 18:09	TPH
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	6/27/22 18:09	TPH
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	6/27/22 18:09	TPH
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	6/27/22 18:09	TPH
cis-1,2-Dichloroethylene	6.2	0.20	0.15		24	0.79	0.58	4	6/27/22 18:09	TPH
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	6/27/22 18:09	TPH
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	6/27/22 18:09	TPH
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	6/27/22 18:09	TPH
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	6/27/22 18:09	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	6/27/22 18:09	TPH
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	6/27/22 18:09	TPH
Ethanol	5.5	8.0	3.5	J	10	15	6.6	4	6/27/22 18:09	TPH
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	6/27/22 18:09	TPH
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	6/27/22 18:09	TPH
4-Ethyltoluene	0.86	0.80	0.12		4.2	3.9	0.60	4	6/27/22 18:09	TPH
Heptane	ND	0.20	0.13		ND	0.82	0.52	4	6/27/22 18:09	TPH
Hexachlorobutadiene	ND	0.20	0.16		ND	2.1	1.8	4	6/27/22 18:09	TPH
Hexane	ND	8.0	1.0		ND	28	3.7	4	6/27/22 18:09	TPH
2-Hexanone (MBK)	0.45	0.20	0.10		1.8	0.82	0.41	4	6/27/22 18:09	TPH
Isopropanol	ND	8.0	1.4		ND	20	3.4	4	6/27/22 18:09	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	6/27/22 18:09	TPH
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	6/27/22 18:09	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	6/27/22 18:09	TPH
Naphthalene	0.26	0.20	0.15		1.3	1.0	0.79	4	6/27/22 18:09	TPH
Propene	ND	8.0	1.8		ND	14	3.0	4	6/27/22 18:09	TPH
Styrene	ND	0.80	0.11		ND	3.4	0.45	4	6/27/22 18:09	TPH
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	6/27/22 18:09	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: Effluent
Sample ID: 22F1426-21
Sample Matrix: Soil Gas
Sampled: 6/20/2022 13:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 2722
Canister Size: 3 liter
Flow Controller ID: 4121
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -6.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	230	2.0	1.5		1500	14	10	40	6/27/22 18:48	TPH
Tetrahydrofuran	2.8	2.0	0.33		8.3	5.9	0.97	4	6/27/22 18:09	TPH
Toluene	0.12	0.20	0.11	J	0.47	0.75	0.43	4	6/27/22 18:09	TPH
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	6/27/22 18:09	TPH
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	6/27/22 18:09	TPH
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	6/27/22 18:09	TPH
Trichloroethylene	1.5	0.20	0.13		7.8	1.1	0.72	4	6/27/22 18:09	TPH
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	6/27/22 18:09	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	6/27/22 18:09	TPH
1,2,4-Trimethylbenzene	3.6	0.80	0.088		17	3.9	0.43	4	6/27/22 18:09	TPH
1,3,5-Trimethylbenzene	6.5	0.80	0.11		32	3.9	0.52	4	6/27/22 18:09	TPH
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	6/27/22 18:09	TPH
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	6/27/22 18:09	TPH
m&p-Xylene	ND	0.40	0.22		ND	1.7	0.97	4	6/27/22 18:09	TPH
o-Xylene	0.29	0.20	0.10		1.3	0.87	0.44	4	6/27/22 18:09	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.4	70-130	6/27/22 18:48
4-Bromofluorobenzene (1)	100	70-130	6/27/22 18:09

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: Effluent Duplicate
Sample ID: 22F1426-22
Sample Matrix: Soil Gas
Sampled: 6/20/2022 13:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 2274
Canister Size: 3 liter
Flow Controller ID: 4330
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	80	48		ND	190	110	40	6/27/22 22:06	TPH
Benzene	ND	2.0	1.5		ND	6.4	4.8	40	6/27/22 22:06	TPH
Benzyl chloride	ND	2.0	1.8		ND	10	9.1	40	6/27/22 22:06	TPH
Bromodichloromethane	ND	2.0	1.4		ND	13	9.4	40	6/27/22 22:06	TPH
Bromoform	ND	2.0	1.4		ND	21	14	40	6/27/22 22:06	TPH
Bromomethane	ND	2.0	1.3		ND	7.8	5.2	40	6/27/22 22:06	TPH
1,3-Butadiene	ND	2.0	1.7		ND	4.4	3.7	40	6/27/22 22:06	TPH
2-Butanone (MEK)	ND	80	21		ND	240	63	40	6/27/22 22:06	TPH
Carbon Disulfide	ND	20	1.8		ND	62	5.8	40	6/27/22 22:06	TPH
Carbon Tetrachloride	ND	2.0	1.6		ND	13	10	40	6/27/22 22:06	TPH
Chlorobenzene	ND	2.0	1.3		ND	9.2	6.1	40	6/27/22 22:06	TPH
Chloroethane	ND	2.0	1.8		ND	5.3	4.7	40	6/27/22 22:06	TPH
Chloroform	ND	2.0	1.9		ND	9.8	9.3	40	6/27/22 22:06	TPH
Chloromethane	ND	4.0	1.6		ND	8.3	3.3	40	6/27/22 22:06	TPH
Cyclohexane	ND	2.0	1.2		ND	6.9	4.2	40	6/27/22 22:06	TPH
Dibromochloromethane	ND	2.0	1.3		ND	17	11	40	6/27/22 22:06	TPH
1,2-Dibromoethane (EDB)	ND	2.0	1.2		ND	15	9.3	40	6/27/22 22:06	TPH
1,2-Dichlorobenzene	ND	2.0	1.1		ND	12	6.9	40	6/27/22 22:06	TPH
1,3-Dichlorobenzene	ND	2.0	1.1		ND	12	6.7	40	6/27/22 22:06	TPH
1,4-Dichlorobenzene	ND	2.0	1.3		ND	12	7.9	40	6/27/22 22:06	TPH
Dichlorodifluoromethane (Freon 12)	ND	2.0	2.0		ND	9.9	9.7	40	6/27/22 22:06	TPH
1,1-Dichloroethane	ND	2.0	1.7		ND	8.1	7.1	40	6/27/22 22:06	TPH
1,2-Dichloroethane	ND	2.0	1.8		ND	8.1	7.3	40	6/27/22 22:06	TPH
1,1-Dichloroethylene	ND	2.0	1.5		ND	7.9	6.0	40	6/27/22 22:06	TPH
cis-1,2-Dichloroethylene	14	2.0	1.5		54	7.9	5.8	40	6/27/22 22:06	TPH
trans-1,2-Dichloroethylene	ND	2.0	1.6		ND	7.9	6.2	40	6/27/22 22:06	TPH
1,2-Dichloropropane	ND	2.0	1.1		ND	9.2	5.0	40	6/27/22 22:06	TPH
cis-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.7	40	6/27/22 22:06	TPH
trans-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.6	40	6/27/22 22:06	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	2.0		ND	14	14	40	6/27/22 22:06	TPH
1,4-Dioxane	ND	20	1.7		ND	72	6.0	40	6/27/22 22:06	TPH
Ethanol	ND	80	35		ND	150	66	40	6/27/22 22:06	TPH
Ethyl Acetate	ND	20	10		ND	72	36	40	6/27/22 22:06	TPH
Ethylbenzene	ND	2.0	1.2		ND	8.7	5.1	40	6/27/22 22:06	TPH
4-Ethyltoluene	20	8.0	1.2		98	39	6.0	40	6/27/22 22:06	TPH
Heptane	ND	2.0	1.3		ND	8.2	5.2	40	6/27/22 22:06	TPH
Hexachlorobutadiene	ND	2.0	1.6		ND	21	18	40	6/27/22 22:06	TPH
Hexane	ND	80	10		ND	280	37	40	6/27/22 22:06	TPH
2-Hexanone (MBK)	ND	2.0	1.0		ND	8.2	4.1	40	6/27/22 22:06	TPH
Isopropanol	ND	80	14		ND	200	34	40	6/27/22 22:06	TPH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	1.5		ND	7.2	5.6	40	6/27/22 22:06	TPH
Methylene Chloride	ND	20	9.3		ND	69	32	40	6/27/22 22:06	TPH
4-Methyl-2-pentanone (MIBK)	ND	2.0	1.1		ND	8.2	4.4	40	6/27/22 22:06	TPH
Naphthalene	ND	2.0	1.5		ND	10	7.9	40	6/27/22 22:06	TPH
Propene	ND	80	18		ND	140	30	40	6/27/22 22:06	TPH
Styrene	ND	8.0	1.1		ND	34	4.5	40	6/27/22 22:06	TPH
1,1,2,2-Tetrachloroethane	ND	2.0	1.1		ND	14	7.4	40	6/27/22 22:06	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 6/22/2022
Field Sample #: Effluent Duplicate
Sample ID: 22F1426-22
Sample Matrix: Soil Gas
Sampled: 6/20/2022 13:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 2274
Canister Size: 3 liter
Flow Controller ID: 4330
Sample Type: 1 hr

Work Order: 22F1426
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	1400	2.0	1.5		9500	14	10	40	6/27/22 22:06	TPH
Tetrahydrofuran	ND	20	3.3		ND	59	9.7	40	6/27/22 22:06	TPH
Toluene	ND	2.0	1.1		ND	7.5	4.3	40	6/27/22 22:06	TPH
1,2,4-Trichlorobenzene	ND	2.0	1.9		ND	15	14	40	6/27/22 22:06	TPH
1,1,1-Trichloroethane	ND	2.0	1.6		ND	11	8.6	40	6/27/22 22:06	TPH
1,1,2-Trichloroethane	ND	2.0	1.4		ND	11	7.7	40	6/27/22 22:06	TPH
Trichloroethylene	6.2	2.0	1.3		34	11	7.2	40	6/27/22 22:06	TPH
Trichlorofluoromethane (Freon 11)	ND	8.0	2.4		ND	45	13	40	6/27/22 22:06	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	8.0	2.2		ND	61	17	40	6/27/22 22:06	TPH
1,2,4-Trimethylbenzene	100	8.0	0.88		510	39	4.3	40	6/27/22 22:06	TPH
1,3,5-Trimethylbenzene	150	8.0	1.1		720	39	5.2	40	6/27/22 22:06	TPH
Vinyl Acetate	ND	40	11		ND	140	38	40	6/27/22 22:06	TPH
Vinyl Chloride	ND	2.0	1.8		ND	5.1	4.6	40	6/27/22 22:06	TPH
m&p-Xylene	3.5	4.0	2.2	J	15	17	9.7	40	6/27/22 22:06	TPH
o-Xylene	6.5	2.0	1.0		28	8.7	4.4	40	6/27/22 22:06	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	103	70-130	6/27/22 22:06

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22F1426-01 [SVE1]	B312036	1.5	1	N/A	1000	400	60	06/24/22
22F1426-01RE1 [SVE1]	B312036	1.5	100	10	1000	400	400	06/24/22
22F1426-02 [SVE2]	B312036	1.5	1	N/A	1000	400	150	06/24/22
22F1426-03 [SVE3]	B312036	1.5	1	N/A	1000	400	15	06/24/22
22F1426-03RE1 [SVE3]	B312036	1.5	100	10	1000	400	400	06/24/22
22F1426-04 [SVE4]	B312036	1.5	200	5	1000	400	200	06/24/22
22F1426-05 [SVE5]	B312036	1.5	200	5	1000	400	200	06/24/22
22F1426-06RE1 [SVE6]	B312036	1.5	200	5	1000	400	10	06/24/22
22F1426-07 [SVE7]	B312036	1.5	1	N/A	1000	400	60	06/24/22
22F1426-07RE1 [SVE7]	B312036	1.5	100	10	1000	400	400	06/24/22
22F1426-08 [SVE8]	B312036	1.5	200	5	1000	400	200	06/24/22
22F1426-09 [SVE9]	B312036	1.5	200	5	1000	400	200	06/24/22
22F1426-10 [SVE10]	B312036	1.5	200	5	1000	400	200	06/24/22
22F1426-11 [SVE11]	B312036	1.5	1	N/A	1000	400	15	06/24/22
22F1426-11RE1 [SVE11]	B312036	1.5	100	10	1000	400	200	06/24/22
22F1426-12 [SVE12]	B312036	1.5	1	N/A	1000	400	60	06/24/22
22F1426-12RE1 [SVE12]	B312036	1.5	100	10	1000	400	400	06/24/22
22F1426-13 [SVE13]	B312036	1.5	1	N/A	1000	400	150	06/24/22
22F1426-14 [SVE14]	B312036	1.5	200	5	1000	400	200	06/24/22

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22F1426-06 [SVE6]	B312038	1.5	200	5	1000	400	200	06/27/22
22F1426-13RE1 [SVE13]	B312038	1.5	1	N/A	1000	400	10	06/27/22
22F1426-15 [SVE15]	B312038	1.5	200	5	1000	400	200	06/27/22
22F1426-16 [SVE16]	B312038	1.5	1	N/A	1000	400	10	06/27/22
22F1426-16RE1 [SVE16]	B312038	1.5	200	5	1000	400	200	06/27/22
22F1426-17 [SVE17]	B312038	1.5	1	N/A	1000	400	150	06/27/22
22F1426-17RE1 [SVE17]	B312038	1.5	1	N/A	1000	400	15	06/27/22
22F1426-18 [SVE18]	B312038	1.5	1	N/A	1000	400	15	06/27/22
22F1426-19 [SVE15 Duplicate]	B312038	1.5	200	5	1000	400	200	06/27/22
22F1426-20 [Influent]	B312038	1.5	200	5	1000	400	200	06/27/22
22F1426-21 [Effluent]	B312038	1.5	1	N/A	1000	400	150	06/27/22
22F1426-21RE1 [Effluent]	B312038	1.5	1	N/A	1000	400	15	06/27/22
22F1426-22 [Effluent Duplicate]	B312038	1.5	1	N/A	1000	400	15	06/27/22

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B312036 - TO-15 Prep											
Blank (B312036-BLK1)					Prepared & Analyzed: 06/24/22						
Acetone	ND	1.4									
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.35									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.070									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									
Ethyl Acetate	ND	0.35									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.14									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.35									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Propene	ND	1.4									
Styrene	ND	0.14									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B312036 - TO-15 Prep											
Blank (B312036-BLK1)					Prepared & Analyzed: 06/24/22						
1,1,2,2-Tetrachloroethane	ND	0.035									
Tetrachloroethylene	ND	0.035									
Tetrahydrofuran	ND	0.35									
Toluene	ND	0.035									
1,2,4-Trichlorobenzene	ND	0.035									
1,1,1-Trichloroethane	ND	0.035									
1,1,2-Trichloroethane	ND	0.035									
Trichloroethylene	ND	0.035									
Trichlorofluoromethane (Freon 11)	ND	0.14									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14									
1,2,4-Trimethylbenzene	ND	0.14									
1,3,5-Trimethylbenzene	ND	0.14									
Vinyl Acetate	ND	0.70									
Vinyl Chloride	ND	0.035									
m&p-Xylene	ND	0.070									
o-Xylene	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*8.55*				*8.00*		*107*	*70-130*			
LCS (B312036-BS1)					Prepared & Analyzed: 06/24/22						
Acetone	4.98				5.00		99.7	70-130			
Benzene	4.76				5.00		95.2	70-130			
Benzyl chloride	5.70				5.00		114	70-130			
Bromodichloromethane	4.11				5.00		82.1	70-130			
Bromoform	5.05				5.00		101	70-130			
Bromomethane	5.20				5.00		104	70-130			
1,3-Butadiene	4.99				5.00		99.9	70-130			
2-Butanone (MEK)	5.48				5.00		110	70-130			
Carbon Disulfide	4.68				5.00		93.5	70-130			
Carbon Tetrachloride	4.53				5.00		90.7	70-130			
Chlorobenzene	4.42				5.00		88.4	70-130			
Chloroethane	4.75				5.00		95.0	70-130			
Chloroform	4.43				5.00		88.6	70-130			
Chloromethane	4.27				5.00		85.4	70-130			
Cyclohexane	5.46				5.00		109	70-130			
Dibromochloromethane	4.80				5.00		96.0	70-130			
1,2-Dibromoethane (EDB)	4.83				5.00		96.6	70-130			
1,2-Dichlorobenzene	5.93				5.00		119	70-130			
1,3-Dichlorobenzene	5.71				5.00		114	70-130			
1,4-Dichlorobenzene	5.98				5.00		120	70-130			
Dichlorodifluoromethane (Freon 12)	4.80				5.00		96.0	70-130			
1,1-Dichloroethane	4.58				5.00		91.6	70-130			
1,2-Dichloroethane	4.52				5.00		90.3	70-130			
1,1-Dichloroethylene	5.37				5.00		107	70-130			
cis-1,2-Dichloroethylene	5.19				5.00		104	70-130			
trans-1,2-Dichloroethylene	4.96				5.00		99.3	70-130			
1,2-Dichloropropane	4.53				5.00		90.7	70-130			

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B312036 - TO-15 Prep											
LCS (B312036-BS1)					Prepared & Analyzed: 06/24/22						
cis-1,3-Dichloropropene	5.16				5.00		103	70-130			
trans-1,3-Dichloropropene	5.34				5.00		107	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.76				5.00		95.2	70-130			
1,4-Dioxane	5.96				5.00		119	70-130			
Ethanol	5.90				5.00		118	70-130			
Ethyl Acetate	5.31				5.00		106	70-130			
Ethylbenzene	5.79				5.00		116	70-130			
4-Ethyltoluene	5.99				5.00		120	70-130			
Heptane	5.10				5.00		102	70-130			
Hexachlorobutadiene	4.42				5.00		88.4	70-130			
Hexane	5.01				5.00		100	70-130			
2-Hexanone (MBK)	5.77				5.00		115	70-130			
Isopropanol	4.48				5.00		89.7	70-130			
Methyl tert-Butyl Ether (MTBE)	5.83				5.00		117	70-130			
Methylene Chloride	4.74				5.00		94.9	70-130			
4-Methyl-2-pentanone (MIBK)	5.48				5.00		110	70-130			
Naphthalene	6.29				5.00		126	70-130			
Propene	4.69				5.00		93.7	70-130			
Styrene	5.93				5.00		119	70-130			
1,1,2,2-Tetrachloroethane	4.28				5.00		85.6	70-130			
Tetrachloroethylene	5.28				5.00		106	70-130			
Tetrahydrofuran	6.01				5.00		120	70-130			
Toluene	5.55				5.00		111	70-130			
1,2,4-Trichlorobenzene	6.00				5.00		120	70-130			
1,1,1-Trichloroethane	4.02				5.00		80.4	70-130			
1,1,2-Trichloroethane	4.37				5.00		87.3	70-130			
Trichloroethylene	4.74				5.00		94.7	70-130			
Trichlorofluoromethane (Freon 11)	5.38				5.00		108	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.67				5.00		93.4	70-130			
1,2,4-Trimethylbenzene	5.74				5.00		115	70-130			
1,3,5-Trimethylbenzene	5.60				5.00		112	70-130			
Vinyl Acetate	5.29				5.00		106	70-130			
Vinyl Chloride	4.69				5.00		93.7	70-130			
m&p-Xylene	11.6				10.0		116	70-130			
o-Xylene	5.81				5.00		116	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.49*				*8.00*		*106*	*70-130*			

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Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B312038 - TO-15 Prep											
Blank (B312038-BLK1)					Prepared & Analyzed: 06/27/22						
Acetone	ND	1.4									
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.35									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.070									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									
Ethyl Acetate	ND	0.35									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.14									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.35									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Propene	ND	1.4									
Styrene	ND	0.14									

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B312038 - TO-15 Prep											
Blank (B312038-BLK1)					Prepared & Analyzed: 06/27/22						
1,1,2,2-Tetrachloroethane	ND	0.035									
Tetrachloroethylene	ND	0.035									
Tetrahydrofuran	ND	0.35									
Toluene	ND	0.035									
1,2,4-Trichlorobenzene	ND	0.035									
1,1,1-Trichloroethane	ND	0.035									
1,1,2-Trichloroethane	ND	0.035									
Trichloroethylene	ND	0.035									
Trichlorofluoromethane (Freon 11)	ND	0.14									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14									
1,2,4-Trimethylbenzene	ND	0.14									
1,3,5-Trimethylbenzene	ND	0.14									
Vinyl Acetate	ND	0.70									
Vinyl Chloride	ND	0.035									
m&p-Xylene	ND	0.070									
o-Xylene	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*7.86*				*8.00*		*98.2*	*70-130*			
LCS (B312038-BS1)					Prepared & Analyzed: 06/27/22						
Acetone	5.40				5.00		108	70-130			
Benzene	4.58				5.00		91.7	70-130			
Benzyl chloride	6.14				5.00		123	70-130			
Bromodichloromethane	4.46				5.00		89.1	70-130			
Bromoform	4.86				5.00		97.2	70-130			
Bromomethane	5.72				5.00		114	70-130			
1,3-Butadiene	5.02				5.00		100	70-130			
2-Butanone (MEK)	5.10				5.00		102	70-130			
Carbon Disulfide	5.47				5.00		109	70-130			
Carbon Tetrachloride	4.96				5.00		99.2	70-130			
Chlorobenzene	4.61				5.00		92.2	70-130			
Chloroethane	4.97				5.00		99.5	70-130			
Chloroform	5.66				5.00		113	70-130			
Chloromethane	4.13				5.00		82.6	70-130			
Cyclohexane	5.50				5.00		110	70-130			
Dibromochloromethane	4.71				5.00		94.2	70-130			
1,2-Dibromoethane (EDB)	5.10				5.00		102	70-130			
1,2-Dichlorobenzene	5.50				5.00		110	70-130			
1,3-Dichlorobenzene	5.40				5.00		108	70-130			
1,4-Dichlorobenzene	5.66				5.00		113	70-130			
Dichlorodifluoromethane (Freon 12)	6.26				5.00		125	70-130			
1,1-Dichloroethane	5.06				5.00		101	70-130			
1,2-Dichloroethane	5.64				5.00		113	70-130			
1,1-Dichloroethylene	5.90				5.00		118	70-130			
cis-1,2-Dichloroethylene	5.49				5.00		110	70-130			
trans-1,2-Dichloroethylene	5.46				5.00		109	70-130			
1,2-Dichloropropane	4.02				5.00		80.4	70-130			

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Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B312038 - TO-15 Prep												
LCS (B312038-BS1)					Prepared & Analyzed: 06/27/22							
cis-1,3-Dichloropropene	4.87				5.00		97.4		70-130			
trans-1,3-Dichloropropene	5.16				5.00		103		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.52				5.00		110		70-130			
1,4-Dioxane	5.85				5.00		117		70-130			
Ethanol	5.60				5.00		112		70-130			
Ethyl Acetate	5.39				5.00		108		70-130			
Ethylbenzene	6.04				5.00		121		70-130			
4-Ethyltoluene	6.27				5.00		125		70-130			
Heptane	4.36				5.00		87.2		70-130			
Hexachlorobutadiene	4.54				5.00		90.9		70-130			
Hexane	5.16				5.00		103		70-130			
2-Hexanone (MBK)	4.76				5.00		95.1		70-130			
Isopropanol	4.42				5.00		88.5		70-130			
Methyl tert-Butyl Ether (MTBE)	6.72				5.00		**134**	*	70-130			L-01
Methylene Chloride	4.97				5.00		99.4		70-130			
4-Methyl-2-pentanone (MIBK)	4.41				5.00		88.3		70-130			
Naphthalene	6.07				5.00		121		70-130			
Propene	4.55				5.00		90.9		70-130			
Styrene	5.97				5.00		119		70-130			
1,1,2,2-Tetrachloroethane	4.36				5.00		87.2		70-130			
Tetrachloroethylene	4.98				5.00		99.6		70-130			
Tetrahydrofuran	6.17				5.00		123		70-130			
Toluene	5.79				5.00		116		70-130			
1,2,4-Trichlorobenzene	5.74				5.00		115		70-130			
1,1,1-Trichloroethane	4.54				5.00		90.8		70-130			
1,1,2-Trichloroethane	4.77				5.00		95.4		70-130			
Trichloroethylene	5.15				5.00		103		70-130			
Trichlorofluoromethane (Freon 11)	6.20				5.00		124		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.81				5.00		116		70-130			
1,2,4-Trimethylbenzene	6.13				5.00		123		70-130			
1,3,5-Trimethylbenzene	6.07				5.00		121		70-130			
Vinyl Acetate	4.81				5.00		96.3		70-130			
Vinyl Chloride	4.84				5.00		96.7		70-130			
m&p-Xylene	12.6				10.0		126		70-130			
o-Xylene	6.25				5.00		125		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*7.98*				*8.00*		*99.7*		*70-130*			

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B312038 - TO-15 Prep											
Duplicate (B312038-DUP1)			**Source: 22F1426-21**		Prepared & Analyzed: 06/27/22						
Acetone	10	8.0	25	19		10			1.24	25	
Benzene	ND	0.20	ND	0.64		ND				25	
Benzyl chloride	ND	0.20	ND	1.0		ND				25	
Bromodichloromethane	ND	0.20	ND	1.3		ND				25	
Bromoform	ND	0.20	ND	2.1		ND				25	
Bromomethane	ND	0.20	ND	0.78		ND				25	
1,3-Butadiene	ND	0.20	ND	0.44		ND				25	
2-Butanone (MEK)	3.9	8.0	11	24		3.9			0.103	25	J
Carbon Disulfide	ND	2.0	ND	6.2		ND				25	
Carbon Tetrachloride	ND	0.20	ND	1.3		ND				25	
Chlorobenzene	ND	0.20	ND	0.92		ND				25	
Chloroethane	ND	0.20	ND	0.53		ND				25	
Chloroform	0.70	0.20	3.4	0.98		0.72			2.80	25	
Chloromethane	0.44	0.40	0.92	0.83		0.44			0.905	25	
Cyclohexane	ND	0.20	ND	0.69		ND				25	
Dibromochloromethane	ND	0.20	ND	1.7		ND				25	
1,2-Dibromoethane (EDB)	ND	0.20	ND	1.5		ND				25	
1,2-Dichlorobenzene	ND	0.20	ND	1.2		ND				25	
1,3-Dichlorobenzene	ND	0.20	ND	1.2		ND				25	
1,4-Dichlorobenzene	ND	0.20	ND	1.2		ND				25	
Dichlorodifluoromethane (Freon 12)	0.66	0.20	3.2	0.99		0.68			3.00	25	
1,1-Dichloroethane	ND	0.20	ND	0.81		ND				25	
1,2-Dichloroethane	ND	0.20	ND	0.81		ND				25	
1,1-Dichloroethylene	ND	0.20	ND	0.79		ND				25	
cis-1,2-Dichloroethylene	6.0	0.20	24	0.79		6.2			2.09	25	
trans-1,2-Dichloroethylene	ND	0.20	ND	0.79		ND				25	
1,2-Dichloropropane	ND	0.20	ND	0.92		ND				25	
cis-1,3-Dichloropropene	ND	0.20	ND	0.91		ND				25	
trans-1,3-Dichloropropene	ND	0.20	ND	0.91		ND				25	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	ND	1.4		ND				25	
1,4-Dioxane	ND	2.0	ND	7.2		ND				25	
Ethanol	5.9	8.0	11	15		5.5			7.40	25	J
Ethyl Acetate	ND	2.0	ND	7.2		ND				25	
Ethylbenzene	ND	0.20	ND	0.87		ND				25	
4-Ethyltoluene	0.86	0.80	4.2	3.9		0.86			0.930	25	
Heptane	ND	0.20	ND	0.82		ND				25	
Hexachlorobutadiene	ND	0.20	ND	2.1		ND				25	
Hexane	ND	8.0	ND	28		ND				25	
2-Hexanone (MBK)	0.42	0.20	1.7	0.82		0.45			5.50	25	
Isopropanol	ND	8.0	ND	20		ND				25	
Methyl tert-Butyl Ether (MTBE)	ND	0.20	ND	0.72		ND				25	
Methylene Chloride	ND	2.0	ND	6.9		ND				25	
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82		ND				25	
Naphthalene	0.24	0.20	1.3	1.0		0.26			4.80	25	
Propene	ND	8.0	ND	14		ND				25	
Styrene	ND	0.80	ND	3.4		ND				25	

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Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B312038 - TO-15 Prep											
Duplicate (B312038-DUP1)			**Source: 22F1426-21**		Prepared & Analyzed: 06/27/22						
1,1,2,2-Tetrachloroethane	ND	0.20	ND	1.4		ND				25	
Tetrahydrofuran	2.7	2.0	7.9	5.9		2.8			4.36	25	
Toluene	0.12	0.20	0.47	0.75		0.12			0.00	25	J
1,2,4-Trichlorobenzene	ND	0.20	ND	1.5		ND				25	
1,1,1-Trichloroethane	ND	0.20	ND	1.1		ND				25	
1,1,2-Trichloroethane	ND	0.20	ND	1.1		ND				25	
Trichloroethylene	1.4	0.20	7.8	1.1		1.5			0.828	25	
Trichlorofluoromethane (Freon 11)	ND	0.80	ND	4.5		ND				25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	ND	6.1		ND				25	
1,2,4-Trimethylbenzene	3.6	0.80	18	3.9		3.6			0.561	25	
1,3,5-Trimethylbenzene	6.4	0.80	32	3.9		6.5			0.989	25	
Vinyl Acetate	ND	4.0	ND	14		ND				25	
Vinyl Chloride	ND	0.20	ND	0.51		ND				25	
m&p-Xylene	0.24	0.40	1.1	1.7		ND				25	J
o-Xylene	0.27	0.20	1.2	0.87		0.29			7.09	25	
Surrogate: 4-Bromofluorobenzene (1)	*8.02*				*8.00*		*100*	*70-130*			
Duplicate (B312038-DUP2)			**Source: 22F1426-21RE1**		Prepared & Analyzed: 06/27/22						
Tetrachloroethylene	210	2.0	1400	14		230			8.11	25	
Surrogate: 4-Bromofluorobenzene (1)	*7.76*				*8.00*		*97.0*	*70-130*			

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Note: Blank Subtraction is not performed unless otherwise noted

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
RL-11	Elevated reporting limit due to high concentration of target compounds.

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S072065-ICV1)			Lab File ID: G22A144022.D			Analyzed: 05/24/22 21:40			
Bromochloromethane (1)	1256331	8.479	1268674	8.485	99	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3475998	10.259	3495969	10.259	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	3109272	14.63	3089177	14.63	101	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S073367-CCV1)			Lab File ID: G22A175004.D			Analyzed: 06/24/22 09:51			
Bromochloromethane (1)	1260796	8.313	1268674	8.485	99	60 - 140	-0.1720	+/-0.50	
1,4-Difluorobenzene (1)	3740145	10.087	3495969	10.259	107	60 - 140	-0.1720	+/-0.50	
Chlorobenzene-d5 (1)	3318984	14.452	3089177	14.63	107	60 - 140	-0.1780	+/-0.50	
LCS (B312036-BS1)			Lab File ID: G22A175005.D			Analyzed: 06/24/22 10:31			
Bromochloromethane (1)	1220532	8.313	1260796	8.313	97	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3686044	10.087	3740145	10.087	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	3322909	14.452	3318984	14.452	100	60 - 140	0.0000	+/-0.50	
Blank (B312036-BLK1)			Lab File ID: G22A175008.D			Analyzed: 06/24/22 12:39			
Bromochloromethane (1)	1079426	8.313	1260796	8.313	86	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3342277	10.087	3740145	10.087	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	3065298	14.452	3318984	14.452	92	60 - 140	0.0000	+/-0.50	
SVE13 (22F1426-13)			Lab File ID: G22A175010.D			Analyzed: 06/24/22 14:10			
Bromochloromethane (1)	1015077	8.313	1260796	8.313	81	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3230666	10.087	3740145	10.087	86	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	3034650	14.452	3318984	14.452	91	60 - 140	0.0000	+/-0.50	
SVE2 (22F1426-02)			Lab File ID: G22A175012.D			Analyzed: 06/24/22 15:30			
Bromochloromethane (1)	1112638	8.313	1260796	8.313	88	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3353105	10.087	3740145	10.087	90	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	3025052	14.452	3318984	14.452	91	60 - 140	0.0000	+/-0.50	
SVE1 (22F1426-01)			Lab File ID: G22A175013.D			Analyzed: 06/24/22 16:09			
Bromochloromethane (1)	1294919	8.313	1260796	8.313	103	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3761441	10.087	3740145	10.087	101	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	3347308	14.458	3318984	14.452	101	60 - 140	0.0060	+/-0.50	
SVE1 (22F1426-01RE1)			Lab File ID: G22A175014.D			Analyzed: 06/24/22 16:51			
Bromochloromethane (1)	1160355	8.313	1260796	8.313	92	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3451762	10.087	3740145	10.087	92	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	3148516	14.452	3318984	14.452	95	60 - 140	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
SVE7 (22F1426-07)			Lab File ID: G22A175015.D			Analyzed: 06/24/22 17:31			
Bromochloromethane (1)	1096234	8.313	1260796	8.313	87	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3348845	10.087	3740145	10.087	90	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	3010759	14.452	3318984	14.452	91	60 - 140	0.0000	+/-0.50	
SVE7 (22F1426-07RE1)			Lab File ID: G22A175016.D			Analyzed: 06/24/22 18:14			
Bromochloromethane (1)	1147936	8.313	1260796	8.313	91	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3504483	10.087	3740145	10.087	94	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	3152448	14.452	3318984	14.452	95	60 - 140	0.0000	+/-0.50	
SVE12 (22F1426-12)			Lab File ID: G22A175017.D			Analyzed: 06/24/22 18:53			
Bromochloromethane (1)	1109037	8.313	1260796	8.313	88	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3317156	10.087	3740145	10.087	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	3054086	14.452	3318984	14.452	92	60 - 140	0.0000	+/-0.50	
SVE12 (22F1426-12RE1)			Lab File ID: G22A175018.D			Analyzed: 06/24/22 19:36			
Bromochloromethane (1)	1139489	8.313	1260796	8.313	90	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3471107	10.087	3740145	10.087	93	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	3169299	14.452	3318984	14.452	95	60 - 140	0.0000	+/-0.50	
SVE3 (22F1426-03)			Lab File ID: G22A175019.D			Analyzed: 06/24/22 20:16			
Bromochloromethane (1)	1079428	8.307	1260796	8.313	86	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3341291	10.087	3740145	10.087	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2982866	14.452	3318984	14.452	90	60 - 140	0.0000	+/-0.50	
SVE3 (22F1426-03RE1)			Lab File ID: G22A175020.D			Analyzed: 06/24/22 20:59			
Bromochloromethane (1)	1026456	8.313	1260796	8.313	81	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3236318	10.087	3740145	10.087	87	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2961095	14.452	3318984	14.452	89	60 - 140	0.0000	+/-0.50	
SVE11 (22F1426-11)			Lab File ID: G22A175021.D			Analyzed: 06/24/22 21:38			
Bromochloromethane (1)	998572	8.307	1260796	8.313	79	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3199734	10.081	3740145	10.087	86	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2927620	14.452	3318984	14.452	88	60 - 140	0.0000	+/-0.50	
SVE11 (22F1426-11RE1)			Lab File ID: G22A175022.D			Analyzed: 06/24/22 22:19			
Bromochloromethane (1)	998557	8.313	1260796	8.313	79	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3228117	10.087	3740145	10.087	86	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2959078	14.452	3318984	14.452	89	60 - 140	0.0000	+/-0.50	
SVE8 (22F1426-08)			Lab File ID: G22A175023.D			Analyzed: 06/24/22 23:00			
Bromochloromethane (1)	944136	8.313	1260796	8.313	75	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3142267	10.087	3740145	10.087	84	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2868239	14.452	3318984	14.452	86	60 - 140	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
SVE4 (22F1426-04)			Lab File ID: G22A175024.D			Analyzed: 06/24/22 23:41			
Bromochloromethane (1)	875515	8.313	1260796	8.313	69	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2875098	10.087	3740145	10.087	77	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2662351	14.452	3318984	14.452	80	60 - 140	0.0000	+/-0.50	
SVE5 (22F1426-05)			Lab File ID: G22A175025.D			Analyzed: 06/25/22 00:23			
Bromochloromethane (1)	893501	8.313	1260796	8.313	71	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2961708	10.081	3740145	10.087	79	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2708567	14.452	3318984	14.452	82	60 - 140	0.0000	+/-0.50	
SVE10 (22F1426-10)			Lab File ID: G22A175028.D			Analyzed: 06/25/22 02:23			
Bromochloromethane (1)	835097	8.307	1260796	8.313	66	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2810118	10.081	3740145	10.087	75	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2603879	14.452	3318984	14.452	78	60 - 140	0.0000	+/-0.50	
SVE9 (22F1426-09)			Lab File ID: G22A175030.D			Analyzed: 06/25/22 03:44			
Bromochloromethane (1)	788305	8.313	1260796	8.313	63	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2782451	10.087	3740145	10.087	74	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2631046	14.452	3318984	14.452	79	60 - 140	0.0000	+/-0.50	
SVE6 (22F1426-06RE1)			Lab File ID: G22A175033.D			Analyzed: 06/25/22 05:46			
Bromochloromethane (1)	769666	8.313	1260796	8.313	61	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2672385	10.087	3740145	10.087	71	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2411782	14.452	3318984	14.452	73	60 - 140	0.0000	+/-0.50	
SVE14 (22F1426-14)			Lab File ID: G22A175034.D			Analyzed: 06/25/22 06:28			
Bromochloromethane (1)	770228	8.307	1260796	8.313	61	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2670924	10.081	3740145	10.087	71	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2571213	14.452	3318984	14.452	77	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S073369-CCV1)			Lab File ID: G22A178004.D			Analyzed: 06/27/22 12:43			
Bromochloromethane (1)	965658	8.307	1268674	8.485	76	60 - 140	-0.1780	+/-0.50	
1,4-Difluorobenzene (1)	3372417	10.087	3495969	10.259	96	60 - 140	-0.1720	+/-0.50	
Chlorobenzene-d5 (1)	2947715	14.452	3089177	14.63	95	60 - 140	-0.1780	+/-0.50	
LCS (B312038-BS1)			Lab File ID: G22A178005.D			Analyzed: 06/27/22 13:23			
Bromochloromethane (1)	991213	8.313	965658	8.307	103	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3513180	10.087	3372417	10.087	104	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	3072926	14.452	2947715	14.452	104	60 - 140	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Blank (B312038-BLK1)			Lab File ID: G22A178008.D			Analyzed: 06/27/22 15:31			
Bromochloromethane (1)	871808	8.325	965658	8.307	90	60 - 140	0.0180	+/-0.50	
1,4-Difluorobenzene (1)	3124882	10.093	3372417	10.087	93	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2862174	14.458	2947715	14.452	97	60 - 140	0.0060	+/-0.50	
SVE13 (22F1426-13RE1)			Lab File ID: G22A178009.D			Analyzed: 06/27/22 16:10			
Bromochloromethane (1)	867233	8.313	965658	8.307	90	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3015353	10.087	3372417	10.087	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2797872	14.452	2947715	14.452	95	60 - 140	0.0000	+/-0.50	
SVE17 (22F1426-17)			Lab File ID: G22A178010.D			Analyzed: 06/27/22 16:50			
Bromochloromethane (1)	921677	8.307	965658	8.307	95	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3180415	10.087	3372417	10.087	94	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2948874	14.452	2947715	14.452	100	60 - 140	0.0000	+/-0.50	
SVE17 (22F1426-17RE1)			Lab File ID: G22A178011.D			Analyzed: 06/27/22 17:29			
Bromochloromethane (1)	932354	8.313	965658	8.307	97	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3180488	10.087	3372417	10.087	94	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2851348	14.458	2947715	14.452	97	60 - 140	0.0060	+/-0.50	
Effluent (22F1426-21)			Lab File ID: G22A178012.D			Analyzed: 06/27/22 18:09			
Bromochloromethane (1)	900328	8.313	965658	8.307	93	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3156496	10.087	3372417	10.087	94	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2950077	14.452	2947715	14.452	100	60 - 140	0.0000	+/-0.50	
Effluent (22F1426-21RE1)			Lab File ID: G22A178013.D			Analyzed: 06/27/22 18:48			
Bromochloromethane (1)	937663	8.313	965658	8.307	97	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3236318	10.087	3372417	10.087	96	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2899242	14.452	2947715	14.452	98	60 - 140	0.0000	+/-0.50	
Duplicate (B312038-DUP1)			Lab File ID: G22A178014.D			Analyzed: 06/27/22 19:29			
Bromochloromethane (1)	875615	8.307	965658	8.307	91	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3028160	10.087	3372417	10.087	90	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2824754	14.452	2947715	14.452	96	60 - 140	0.0000	+/-0.50	
Duplicate (B312038-DUP2)			Lab File ID: G22A178015.D			Analyzed: 06/27/22 20:07			
Bromochloromethane (1)	908705	8.313	965658	8.307	94	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3106270	10.087	3372417	10.087	92	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2739666	14.452	2947715	14.452	93	60 - 140	0.0000	+/-0.50	
SVE6 (22F1426-06)			Lab File ID: G22A178017.D			Analyzed: 06/27/22 21:27			
Bromochloromethane (1)	827862	8.319	965658	8.307	86	60 - 140	0.0120	+/-0.50	
1,4-Difluorobenzene (1)	2968929	10.087	3372417	10.087	88	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2848560	14.452	2947715	14.452	97	60 - 140	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Effluent Duplicate (22F1426-22)			Lab File ID: G22A178018.D			Analyzed: 06/27/22 22:06			
Bromochloromethane (1)	844510	8.313	965658	8.307	87	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3012056	10.087	3372417	10.087	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2791094	14.452	2947715	14.452	95	60 - 140	0.0000	+/-0.50	
SVE18 (22F1426-18)			Lab File ID: G22A178020.D			Analyzed: 06/27/22 23:26			
Bromochloromethane (1)	854849	8.313	965658	8.307	89	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3008225	10.087	3372417	10.087	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2840986	14.452	2947715	14.452	96	60 - 140	0.0000	+/-0.50	
SVE15 (22F1426-15)			Lab File ID: G22A178022.D			Analyzed: 06/28/22 00:47			
Bromochloromethane (1)	834202	8.313	965658	8.307	86	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2955119	10.087	3372417	10.087	88	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2787205	14.452	2947715	14.452	95	60 - 140	0.0000	+/-0.50	
SVE16 (22F1426-16RE1)			Lab File ID: G22A178024.D			Analyzed: 06/28/22 02:07			
Bromochloromethane (1)	830507	8.313	965658	8.307	86	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3030693	10.087	3372417	10.087	90	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2820973	14.452	2947715	14.452	96	60 - 140	0.0000	+/-0.50	
SVE15 Duplicate (22F1426-19)			Lab File ID: G22A178026.D			Analyzed: 06/28/22 03:27			
Bromochloromethane (1)	809368	8.307	965658	8.307	84	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2997745	10.087	3372417	10.087	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2882782	14.452	2947715	14.452	98	60 - 140	0.0000	+/-0.50	
Influent (22F1426-20)			Lab File ID: G22A178028.D			Analyzed: 06/28/22 04:47			
Bromochloromethane (1)	797429	8.313	965658	8.307	83	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2920963	10.087	3372417	10.087	87	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2733818	14.452	2947715	14.452	93	60 - 140	0.0000	+/-0.50	
SVE16 (22F1426-16)			Lab File ID: G22A178034.D			Analyzed: 06/28/22 10:25			
Bromochloromethane (1)	818271	8.307	965658	8.307	85	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2955601	10.081	3372417	10.087	88	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2853827	14.452	2947715	14.452	97	60 - 140	0.0000	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S073367-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.58	1.151493	1.055948		-8.3	30
Benzene	A	5.00	4.59	0.7332017	0.6731701		-8.2	30
Benzyl chloride	A	5.00	4.95	0.8139827	0.8054769		-1.0	30
Bromodichloromethane	A	5.00	3.96	0.6420887	0.5078682		-20.9	30
Bromoform	A	5.00	4.78	0.5736496	0.5479715		-4.5	30
Bromomethane	A	5.00	4.86	0.6308906	0.6127266		-2.9	30
1,3-Butadiene	A	5.00	4.92	0.4964754	0.488551		-1.6	30
2-Butanone (MEK)	A	5.00	4.90	1.307552	1.280982		-2.0	30
Carbon Disulfide	A	5.00	4.27	2.084846	1.781589		-14.5	30
Carbon Tetrachloride	A	5.00	4.36	0.5519968	0.4811244		-12.8	30
Chlorobenzene	A	5.00	4.34	0.8673951	0.7529846		-13.2	30
Chloroethane	A	5.00	4.45	0.3476824	0.3091888		-11.1	30
Chloroform	A	5.00	4.20	1.689144	1.419852		-15.9	30
Chloromethane	A	5.00	4.12	0.7054116	0.5810031		-17.6	30
Cyclohexane	A	5.00	5.25	0.2611425	0.2741049		5.0	30
Dibromochloromethane	A	5.00	4.61	0.6525782	0.6012187		-7.9	30
1,2-Dibromoethane (EDB)	A	5.00	4.71	0.5460525	0.5144644		-5.8	30
1,2-Dichlorobenzene	A	5.00	5.25	0.5533656	0.5811653		5.0	30
1,3-Dichlorobenzene	A	5.00	5.26	0.6446225	0.6778821		5.2	30
1,4-Dichlorobenzene	A	5.00	5.51	0.593266	0.6534511		10.1	30
Dichlorodifluoromethane (Freon 12)	A	5.00	4.35	1.883984	1.639578		-13.0	30
1,1-Dichloroethane	A	5.00	4.21	1.346209	1.132941		-15.8	30
1,2-Dichloroethane	A	5.00	4.20	0.9859284	0.8290026		-15.9	30
1,1-Dichloroethylene	A	5.00	4.97	1.099842	1.093356		-0.6	30
cis-1,2-Dichloroethylene	A	5.00	4.94	0.8418185	0.8315965		-1.2	30
trans-1,2-Dichloroethylene	A	5.00	4.76	0.9140014	0.869504		-4.9	30
1,2-Dichloropropane	A	5.00	4.35	0.2819467	0.2454023		-13.0	30
cis-1,3-Dichloropropene	A	5.00	5.06	0.3748223	0.3797243		1.3	30
trans-1,3-Dichloropropene	A	5.00	5.07	0.3349989	0.3397319		1.4	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	4.74	1.887877	1.790336		-5.2	30
1,4-Dioxane	A	5.00	5.07	0.1293352	0.1311046		1.4	30
Ethanol	A	5.00	4.44	0.2262248	0.2007671		-11.3	30
Ethyl Acetate	A	5.00	4.76	0.2082657	0.1982659		-4.8	30
Ethylbenzene	A	5.00	5.64	1.036502	1.170278		12.9	30
4-Ethyltoluene	A	5.00	5.68	1.10029	1.249637		13.6	30
Heptane	A	5.00	4.90	0.204423	0.2005296		-1.9	30
Hexachlorobutadiene	A	5.00	3.63	0.4702012	0.341276		-27.4	30
Hexane	A	5.00	4.73	0.8402901	0.7758451		-5.4	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S073367-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	5.24	0.5190239	0.5440793		4.8	30
Isopropanol	A	5.00	4.52	1.331902	1.20519		-9.5	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	5.60	1.485856	1.664763		12.0	30
Methylene Chloride	A	5.00	4.46	0.8718752	0.7784365		-10.7	30
4-Methyl-2-pentanone (MIBK)	A	5.00	5.24	0.5280853	0.5536812		4.8	30
Naphthalene	A	5.00	4.11	0.8097238	0.6655675		-17.8	30
Propene	A	5.00	4.48	0.6694116	0.5995324		-10.4	30
Styrene	A	5.00	5.75	0.6161769	0.7083276		15.0	30
1,1,2,2-Tetrachloroethane	A	5.00	3.99	0.8728764	0.6959253		-20.3	30
Tetrachloroethylene	A	5.00	5.26	0.4248838	0.4470019		5.2	30
Tetrahydrofuran	A	5.00	5.65	0.2426183	0.2741176		13.0	30
Toluene	A	5.00	5.45	0.8496792	0.9254678		8.9	30
1,2,4-Trichlorobenzene	A	5.00	4.33	0.3770874	0.3263905		-13.4	30
1,1,1-Trichloroethane	A	5.00	4.00	0.5826866	0.4665145		-19.9	30
1,1,2-Trichloroethane	A	5.00	4.21	0.3885097	0.3269849		-15.8	30
Trichloroethylene	A	5.00	4.59	0.336337	0.3086259		-8.2	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.05	1.696458	1.712957		1.0	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.39	1.596114	1.400078		-12.3	30
1,2,4-Trimethylbenzene	A	5.00	5.48	0.8998802	0.9869936		9.7	30
1,3,5-Trimethylbenzene	A	5.00	5.35	0.9666427	1.033729		6.9	30
Vinyl Acetate	A	5.00	5.28	1.605446	1.693698		5.5	30
Vinyl Chloride	A	5.00	4.40	0.7512303	0.6613676		-12.0	30
m&p-Xylene	A	10.0	11.4	0.8167711	0.9329858		14.2	30
o-Xylene	A	5.00	5.65	0.8322358	0.9408031		13.0	30

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

* Values outside of QC limits

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CONTINUING CALIBRATION CHECK

EPA TO-15

S073369-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.92	1.151493	1.133335		-1.6	30
Benzene	A	5.00	4.29	0.7332017	0.6297423		-14.1	30
Benzyl chloride	A	5.00	5.22	0.8139827	0.8490476		4.3	30
Bromodichloromethane	A	5.00	4.19	0.6420887	0.5380435		-16.2	30
Bromoform	A	5.00	4.45	0.5736496	0.5107897		-11.0	30
Bromomethane	A	5.00	5.31	0.6308906	0.6698206		6.2	30
1,3-Butadiene	A	5.00	4.88	0.4964754	0.4844448		-2.4	30
2-Butanone (MEK)	A	5.00	4.54	1.307552	1.187539		-9.2	30
Carbon Disulfide	A	5.00	4.86	2.084846	2.028567		-2.7	30
Carbon Tetrachloride	A	5.00	4.64	0.5519968	0.5121056		-7.2	30
Chlorobenzene	A	5.00	4.30	0.8673951	0.7455918		-14.0	30
Chloroethane	A	5.00	4.64	0.3476824	0.3225589		-7.2	30
Chloroform	A	5.00	5.28	1.689144	1.782982		5.6	30
Chloromethane	A	5.00	3.94	0.7054116	0.5557247		-21.2	30
Cyclohexane	A	5.00	5.09	0.2611425	0.265672		1.7	30
Dibromochloromethane	A	5.00	4.44	0.6525782	0.5795203		-11.2	30
1,2-Dibromoethane (EDB)	A	5.00	4.77	0.5460525	0.521188		-4.6	30
1,2-Dichlorobenzene	A	5.00	4.78	0.5533656	0.5294048		-4.3	30
1,3-Dichlorobenzene	A	5.00	4.84	0.6446225	0.6244506		-3.1	30
1,4-Dichlorobenzene	A	5.00	4.95	0.593266	0.5871021		-1.0	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.64	1.883984	2.125432		12.8	30
1,1-Dichloroethane	A	5.00	4.63	1.346209	1.247194		-7.4	30
1,2-Dichloroethane	A	5.00	5.16	0.9859284	1.016421		3.1	30
1,1-Dichloroethylene	A	5.00	5.44	1.099842	1.196902		8.8	30
cis-1,2-Dichloroethylene	A	5.00	5.17	0.8418185	0.870922		3.5	30
trans-1,2-Dichloroethylene	A	5.00	5.01	0.9140014	0.9161471		0.2	30
1,2-Dichloropropane	A	5.00	3.74	0.2819467	0.2111914		-25.1	30
cis-1,3-Dichloropropene	A	5.00	4.66	0.3748223	0.3491834		-6.8	30
trans-1,3-Dichloropropene	A	5.00	4.73	0.3349989	0.3169459		-5.4	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.43	1.887877	2.04943		8.6	30
1,4-Dioxane	A	5.00	4.83	0.1293352	0.1249217		-3.4	30
Ethanol	A	5.00	4.19	0.2262248	0.1895479		-16.2	30
Ethyl Acetate	A	5.00	4.82	0.2082657	0.2007535		-3.6	30
Ethylbenzene	A	5.00	5.74	1.036502	1.190892		14.9	30
4-Ethyltoluene	A	5.00	5.77	1.10029	1.269574		15.4	30
Heptane	A	5.00	4.12	0.204423	0.1683773		-17.6	30
Hexachlorobutadiene	A	5.00	3.52	0.4702012	0.3309514		-29.6	30
Hexane	A	5.00	4.85	0.8402901	0.7948835		-3.0	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S073369-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	4.24	0.5190239	0.4404355		-15.1	30
Isopropanol	A	5.00	4.51	1.331902	1.200498		-9.9	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	6.25	1.485856	1.856145		24.9	30
Methylene Chloride	A	5.00	4.61	0.8718752	0.8036551		-7.8	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.19	0.5280853	0.4421247		-16.3	30
Naphthalene	A	5.00	3.70	0.8097238	0.5990696		-26.0	30
Propene	A	5.00	4.41	0.6694116	0.5907135		-11.8	30
Styrene	A	5.00	5.47	0.6161769	0.6743952		9.4	30
1,1,2,2-Tetrachloroethane	A	5.00	4.00	0.8728764	0.6976506		-20.1	30
Tetrachloroethylene	A	5.00	4.66	0.4248838	0.3960133		-6.8	30
Tetrahydrofuran	A	5.00	5.70	0.2426183	0.2763927		13.9	30
Toluene	A	5.00	5.48	0.8496792	0.9308705		9.6	30
1,2,4-Trichlorobenzene	A	5.00	3.84	0.3770874	0.2893289		-23.3	30
1,1,1-Trichloroethane	A	5.00	4.44	0.5826866	0.5168058		-11.3	30
1,1,2-Trichloroethane	A	5.00	4.42	0.3885097	0.3438324		-11.5	30
Trichloroethylene	A	5.00	4.76	0.336337	0.3204999		-4.7	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.76	1.696458	1.953571		15.2	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.45	1.596114	1.740465		9.0	30
1,2,4-Trimethylbenzene	A	5.00	5.68	0.8998802	1.022287		13.6	30
1,3,5-Trimethylbenzene	A	5.00	5.61	0.9666427	1.083954		12.1	30
Vinyl Acetate	A	5.00	4.70	1.605446	1.507712		-6.1	30
Vinyl Chloride	A	5.00	4.50	0.7512303	0.6762378		-10.0	30
m&p-Xylene	A	10.0	12.0	0.8167711	0.9788406		19.8	30
o-Xylene	A	5.00	5.86	0.8322358	0.9758317		17.3	30

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

* Values outside of QC limits

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Acetone	AIHA,NY,ME,NH
Benzene	AIHA,FL,NJ,NY,ME,NH,VA
Benzyl chloride	AIHA,FL,NJ,NY,ME,NH,VA
Bromodichloromethane	AIHA,NJ,NY,ME,NH,VA
Bromoform	AIHA,NJ,NY,ME,NH,VA
Bromomethane	AIHA,FL,NJ,NY,ME,NH
1,3-Butadiene	AIHA,NJ,NY,ME,NH,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,ME,NH,VA
Carbon Disulfide	AIHA,NJ,NY,ME,NH,VA
Carbon Tetrachloride	AIHA,FL,NJ,NY,ME,NH,VA
Chlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Chloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Chloroform	AIHA,FL,NJ,NY,ME,NH,VA
Chloromethane	AIHA,FL,NJ,NY,ME,NH,VA
Cyclohexane	AIHA,NJ,NY,ME,NH,VA
Dibromochloromethane	AIHA,NY,ME,NH
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME,NH
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	AIHA,NJ,NY,ME,NH
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME,NH
1,1-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,ME,NH,VA
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	AIHA,NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA,NJ
Heptane	AIHA,NJ,NY,ME,NH,VA
Hexachlorobutadiene	AIHA,NJ,NY,ME,NH,VA
Hexane	AIHA,FL,NJ,NY,ME,NH,VA
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,ME,NH,VA
Methylene Chloride	AIHA,FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Tetrachloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Tetrahydrofuran	AIHA
Toluene	AIHA,FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	AIHA,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Trichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	AIHA,NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	AIHA,NJ,NY,ME,NH
1,3,5-Trimethylbenzene	AIHA,NJ,NY,ME,NH
Vinyl Acetate	AIHA,FL,NJ,NY,ME,NH,VA
Vinyl Chloride	AIHA,FL,NJ,NY,ME,NH,VA
m&p-Xylene	AIHA,FL,NJ,NY,ME,NH,VA
o-Xylene	AIHA,FL,NJ,NY,ME,NH,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

22F1426

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DOC #378 REV3_11232021

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Company Name: NYSDEC DER
Address: 625 Broadway Albany NY 12233
Phone: (518) 402-9813
Project Name: Stubbs Textile
Project Location: 935 E main St. Rochester NY
Project Number: 828660, callout ID 136183
Project Manager: Robert Strang
Pace Quote Name/Number:
Invoice Recipient: robertstrang@doc.ny.gov
Sampled By: Ryan Glass

Requested Turnaround Time: 7-Day ☒ 10-Day ☐ Due Date:
Rush Approval Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐
Data Delivery: Format: PDF ☐ EXCEL ☐ Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED: TO-14/15 (Standard Low Level)

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Lab Use: Pace Work Order#	Client Use: Client Sample ID / Description	Collection Data: Beginning Date/Time	Ending Date/Time	Duration: Total Minutes Sampled	Flow Rate (☐ m³/min ☑ L/min)	Matrix: Code	Volume (☒ Liters ☐ m³)	TO-14/15 (Standard Low Level)				Initial Pressure (" Hg)	Final Pressure (" Hg)	Lab Receipt Pressure (" Hg)	Summa Can ID	Flow Controller ID
1	SVE1	6/20/22 930	9:58	28		SG		X				-29	-3	5.0	2607	4328
2	SVE2	6/20/22 931	10:00	29		SG		X				-29	-4	5.5	2581	4340
3	SVE3	6/20/22 932	10:01	29		SG		X				-28	-3	5.0	2424	4247
4	SVE4	6/20/22 933	10:02	29		SG		X				-29	-3	5.1	2272	4245
5	SVE5	6/20/22 1017	10:42	30		SG		X				-29	-3	5.1	2425	4117
6	SVE6	6/20/22 10:10	10:40	30		SG		X				-27	-3	5.5	2613	4238
7	SVE7	6/20/22 10:11	10:41	30		SG		X				-28	-4	5.0	2383	4346
8	SVE8	6/20/22 1013	1043	30		SG		X				-30	-4	5.6	2368	4118
9	SVE9	6/20/22 1047	1047 1120	33		SG		X				-30	-4	5.5	2384	4322

Comments: Email Results to client and cc danw@pwcontracting.com. robertstrang@doc.ny.gov

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 6/20/22 311
Received by: (signature)	Date/Time: 6/21 1227
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements: MA; CT; Other:

Special Requirements: ☐ MA MCP Required; MCP Certification Form Required; ☐ CT RCP Required; RCP Certification Form Required; ☐ Other

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Project Entity: ☐ Government ☐ Municipality ☐ MWRA ☐ WRTA ☐ Federal ☐ 21 J ☐ School ☐ City ☐ Brownfield ☐ MBTA

Other: ☐ Chromatogram ☐ AIHA-LAP,LLC

PCB ONLY: ☐ Soxhlet ☐ Non Soxhlet

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DOC #378 REV3_11232021

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Company Name: NYS DEC DER
Address: 625 Broadway Albany NY 12233
Phone: (518) 402-9813
Project Name: Staubs Textile
Project Location: 935 E Main St Rochester NY
Project Number: 828660 Call out ID 136183
Project Manager: Robert Strang
Pace Quote Name/Number:
Invoice Recipient: Robert strang@dec.ny.gov
Sampled By: Ryan Glass

Regular Turnaround Time: 7-Day ☑ 10-Day ☐
Due Date:

Rush Approval Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐

Data Delivery: Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO 14/15 (Standard/Low level)				" Hg				
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☑ L/min	Code	☒ Liters ☐ m³					Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
10	SVE10	6/20/22 1048	1118	30		SG		X				-30	-2	5.2	2610	4097
11	SVE11	6/20/22 1050	1117	27		SG		X				-27	-4	5.1	2531	4333
12	SVE12	6/20/22 1100	1126	26		SG		X				-30	-4	5.3	2363	4332
13	SVE13	6/20/22 1120	1156	26		SG		X				-29	-4	5.2	2431	4335
14	SVE14	6/20/22 1122	1157	25		SG		X				-29	-4	6.1	2398	4334
15	SVE15	6/20/22 1134	1204	30		SG		X				-30	-3	5.1	2739	4353
16	SVE16	6/20/22 1211	1240	29		SG		X				-29	-3	4.8	2288	4350
17	SVE17	6/20/22 1213	1240	27		SG		X				-29	-3	5.0	2433	4344
18	SVE18	6/20/22 1215	1242	27		SG		X				-28	-4	5.3	2416	4331

Comments: Email Results to Client and CC danW@Nwcontracting.com
Robert strang@dec.ny.gov

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
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IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 6/20/22 311
Received by: (signature)	Date/Time: 6/22 1227
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements: RL Max

Special Requirements: ☐ MA MCP Required; MCP Certification Form Required; ☐ CT RCP Required; RCP Certification Form Required; ☐ Other

Other:

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Project Entity: ☐ Government ☐ Municipality ☐ MWRA ☐ WRTA ☐ Federal ☐ 21 J ☐ School ☐ City ☐ Brownfield ☐ MBTA

Other: ☐ Chromatogram ☐ AIHA-LAP,LLC

PCB ONLY: ☐ Soxhlet ☐ Non Soxhlet

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CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
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Company Name: NYS DEC DER
Address: 625 Broadway Albany NY 12233
Phone: (518) 402-9813
Project Name: Staubs Textile
Project Location: 935 E Main st Rochester NY
Project Number: 628660 call out ID
Project Manager: Robert Strang
Pace Quote Name/Number:
Invoice Recipient: Robert.strang@Dec.ny.gov
Sampled By: Ryan Glass

Requested Turnaround Time: 7-Day ☑ 10-Day ☐
Due Date:
Rush Approval Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐
Data Delivery: Format: PDF ☐ EXCEL ☐
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ANALYSIS REQUESTED

Please fill out completely, sign, date and retain the yellow copy for your records

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For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO 14/15 (Standard / low level)				" Hg				
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☑ L/min	Code	☑ Liters ☐ m³					Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
19	SVE15 Duplicate	6/20/22 1134	1204	30		SG		X				-30	-3	3.1	2731	4358
20	Influent	6/20/22 1:00	1:35	35		SG		X				-27	-3	3.4	2763	4329
21	Effluent	6/20/22 105	140	35		SG		X				-28	-5	6.7	2722	4121
22	Effluent Duplicate	6/20/22 105	140	35		SG		X				-29	-3	5.0	2274	4330

Comments: Email Results to client and cc
dawn@nwcontracting.com
robert.strang@dec.ny.gov

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
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AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 6/20/22 311	Detection Limit Requirements	Special Requirements
Received by: (signature)	Date/Time: 6/22 1227		☐ MA MCP Required
Relinquished by: (signature)	Date/Time:		MCP Certification Form Required
Received by: (signature)	Date/Time:		☐ CT RCP Required
Relinquished by: (signature)	Date/Time:		RCP Certification Form Required
Received by: (signature)	Date/Time:		☐ Other
Relinquished by: (signature)	Date/Time:		
Received by: (signature)	Date/Time:		

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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ADD NICKNAME

Delivered
Wednesday, 6/22/2022 at 12:27 pm

DELIVERED

Signed for by: APIENKOWSKI

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
ALDEN, NY US	East Longmeadow, MA US

Travel History

TIME ZONE
Local Scan Time

Wednesday, June 22, 2022

12:27 PM	East Longmeadow, MA	Delivered
5:09 AM	WINDSOR, CT	On FedEx vehicle for delivery
4:48 AM	WINDSOR, CT	At local FedEx facility

Tuesday, June 21, 2022

11:28 PM	MIDDLETOWN, CT	Departed FedEx location
8:26 PM	MIDDLETOWN, CT	Arrived at FedEx location
4:41 PM	BLANDFORD, TOWN OF, MA	In transit
4:36 AM	FARMINGTON, NY	Left FedEx origin facility

Monday, June 20, 2022

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 278 Rev 6 2017

Air Media Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client NYSDEC D.E.R

Received By: MP | Date: 6/2L | Time: 1227

How were the samples received? In Cooler: | On Ice: | No Ice: | In Box: T | Ambient: | Melted Ice:

Were samples within Temperature Compliance? 2-6°C: | By Gun #: | Actual Temp -: | By Blank #: | Actual Temp -:

Was Custody Seal Intact? NA | Were Samples Tampered with? NA

Was COC Relinquished ? T | Does Chain Agree With Samples? T

Are there any loose caps/valves on any samples? F

Is COC in ink/ Legible? T

Did COC Include all Pertinent Information? Client: T | Analysis: T | Sampler Name: T | Project: T | ID's: T | Collection Dates/Times: T

Are Sample Labels filled out and legible? T

Are there Rushes? F | Who was notified?

Samples are received within holding time? T

Proper Media Used? T | Individually Certified Cans? F

Are there Trip Blanks? F | Is there enough Volume? T

Containers:	#	Size	Regulator	Duration	Accessories:			
Summa Cans	22	3L	22	1 hr	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charge	
Radiello					Syringe		Overnight	
Pufs/TO-11s					Tedlar		$ 548.23	

Can #'s					Reg #'s				
2607	2383	2388	2722		4346	4334	4121		
2591	2861	2739	2274		4328	4118	4353	4330	
2424	2384	2288			4346	4322	4350		
2272	2610	2433			4247	4097	4344		
2425	2381	2416			4245	4333	4331		
2613	2363	2731			4117	4332	4354		
	2431	2763			4238	4335	4329		
Unused Media					**Pufs/TO-17's**				

Comments:

Air Sampling Media Certificate of Analysis

Date Analyzed: 4/21/2022 **Batch #:** 22CC0356

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2731

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: TPH 6/30/22

Air Sampling Media Certificate of Analysis

Date Analyzed: 4/26/2022 **Batch #:** 22CC361

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2763, BC2739

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: TPH 6/30/22

Air Sampling Media Certificate of Analysis

Date Analyzed: 6/1/2022 **Batch #:** 22CC0481

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs:	BC2381	BC2272	BC2363
	BC2388		

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: TPH 6/30/22

Air Sampling Media Certificate of Analysis

Date Analyzed: 6/2/2022 **Batch #:** 22CC0483

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

	BC2610	BC2431	BC2288
Media IDs:	BC2433	BC2722	BC2274

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: TPH 6/30/22

Air Sampling Media Certificate of Analysis

Date Analyzed: 6/7/2022 **Batch #:** 22CC0501

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs:	BC2607	BC2361	BC2416

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: TPH 6/30/22

Air Sampling Media Certificate of Analysis

Date Analyzed: 6/10/2022 **Batch #:** 22CC0509

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

	BC2591	BC2424	BC2425
Media IDs:	BC2613	BC2383	BC2384

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: TPH 6/30/22

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August 16, 2022

Robert Strang
NYS Division of Environmental Remediation
625 Broadway 12th Floor
Albany, NY 12233-7012

Project Location: 935 E. Main St, Rochester, NY
Client Job Number:
Project Number: 828160
Laboratory Work Order Number: 22H0315

Enclosed are results of analyses for samples as received by the laboratory on August 5, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

QA Officer
Katherine Allen

Laboratory Manager
Daren Damboragian

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NYS Division of Environmental Remediation
625 Broadway 12th Floor
Albany, NY 12233-7012
ATTN: Robert Strang

REPORT DATE: 8/16/2022

PURCHASE ORDER NUMBER: 142737

PROJECT NUMBER: 828160

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22H0315

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

PROJECT LOCATION: 935 E. Main St, Rochester, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Influent	22H0315-01	Air		EPA TO-15	
Effluent	22H0315-02	Air		EPA TO-15	
Effluent Duplicate	22H0315-03	Air		EPA TO-15	

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CASE NARRATIVE SUMMARY

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

EPA TO-15

Qualifications:

L-05 Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Ethanol, Trichlorofluoromethane (Freon 11)

22H0315-01[Influent], 22H0315-02[Effluent], 22H0315-03[Effluent Duplicate], B315244-BS1

RL-11 Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22H0315-01[Influent]

V-06 Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Bromomethane, Trichlorofluoromethane (Freon 11)

B315244-BS1, S075373-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 8/5/2022
Field Sample #: Influent
Sample ID: 22H0315-01
Sample Matrix: Air
Sampled: 8/3/2022 07:41

Sample Description/Location:
Sub Description/Location:
Canister ID: 2706
Canister Size: 1 liter
Flow Controller ID: 4450
Sample Type: 20 min

Work Order: 22H0315
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	20	12		ND	48	29	10	8/16/22 8:29	TPH
Benzene	0.80	0.50	0.38		2.6	1.6	1.2	10	8/16/22 8:29	TPH
Benzyl chloride	ND	0.50	0.44		ND	2.6	2.3	10	8/16/22 8:29	TPH
Bromodichloromethane	ND	0.50	0.35		ND	3.4	2.3	10	8/16/22 8:29	TPH
Bromoform	ND	0.50	0.34		ND	5.2	3.5	10	8/16/22 8:29	TPH
Bromomethane	ND	0.50	0.33		ND	1.9	1.3	10	8/16/22 8:29	TPH
1,3-Butadiene	ND	0.50	0.42		ND	1.1	0.93	10	8/16/22 8:29	TPH
2-Butanone (MEK)	ND	20	5.3		ND	59	16	10	8/16/22 8:29	TPH
Carbon Disulfide	ND	5.0	0.46		ND	16	1.4	10	8/16/22 8:29	TPH
Carbon Tetrachloride	ND	0.50	0.40		ND	3.1	2.5	10	8/16/22 8:29	TPH
Chlorobenzene	ND	0.50	0.33		ND	2.3	1.5	10	8/16/22 8:29	TPH
Chloroethane	ND	0.50	0.44		ND	1.3	1.2	10	8/16/22 8:29	TPH
Chloroform	ND	0.50	0.48		ND	2.4	2.3	10	8/16/22 8:29	TPH
Chloromethane	0.91	1.0	0.40	J	1.9	2.1	0.82	10	8/16/22 8:29	TPH
Cyclohexane	1.9	0.50	0.30		6.5	1.7	1.0	10	8/16/22 8:29	TPH
Dibromochloromethane	ND	0.50	0.33		ND	4.3	2.8	10	8/16/22 8:29	TPH
1,2-Dibromoethane (EDB)	ND	0.50	0.30		ND	3.8	2.3	10	8/16/22 8:29	TPH
1,2-Dichlorobenzene	ND	0.50	0.29		ND	3.0	1.7	10	8/16/22 8:29	TPH
1,3-Dichlorobenzene	ND	0.50	0.28		ND	3.0	1.7	10	8/16/22 8:29	TPH
1,4-Dichlorobenzene	ND	0.50	0.33		ND	3.0	2.0	10	8/16/22 8:29	TPH
Dichlorodifluoromethane (Freon 12)	0.72	0.50	0.49		3.6	2.5	2.4	10	8/16/22 8:29	TPH
1,1-Dichloroethane	ND	0.50	0.44		ND	2.0	1.8	10	8/16/22 8:29	TPH
1,2-Dichloroethane	ND	0.50	0.45		ND	2.0	1.8	10	8/16/22 8:29	TPH
1,1-Dichloroethylene	ND	0.50	0.38		ND	2.0	1.5	10	8/16/22 8:29	TPH
cis-1,2-Dichloroethylene	170	0.50	0.36		660	2.0	1.4	10	8/16/22 8:29	TPH
trans-1,2-Dichloroethylene	1.0	0.50	0.39		4.0	2.0	1.6	10	8/16/22 8:29	TPH
1,2-Dichloropropane	ND	0.50	0.27		ND	2.3	1.3	10	8/16/22 8:29	TPH
cis-1,3-Dichloropropene	ND	0.50	0.26		ND	2.3	1.2	10	8/16/22 8:29	TPH
trans-1,3-Dichloropropene	ND	0.50	0.26		ND	2.3	1.2	10	8/16/22 8:29	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.50	0.49		ND	3.5	3.4	10	8/16/22 8:29	TPH
1,4-Dioxane	ND	5.0	0.42		ND	18	1.5	10	8/16/22 8:29	TPH
Ethanol	14	20	8.8	L-05, J	27	38	17	10	8/16/22 8:29	TPH
Ethyl Acetate	ND	5.0	2.5		ND	18	9.1	10	8/16/22 8:29	TPH
Ethylbenzene	0.38	0.50	0.29	J	1.6	2.2	1.3	10	8/16/22 8:29	TPH
4-Ethyltoluene	1.3	0.50	0.31		6.5	2.5	1.5	10	8/16/22 8:29	TPH
Heptane	1.1	0.50	0.32		4.6	2.0	1.3	10	8/16/22 8:29	TPH
Hexachlorobutadiene	ND	0.50	0.41		ND	5.3	4.4	10	8/16/22 8:29	TPH
Hexane	ND	20	2.6		ND	70	9.2	10	8/16/22 8:29	TPH
2-Hexanone (MBK)	ND	0.50	0.25		ND	2.0	1.0	10	8/16/22 8:29	TPH
Isopropanol	ND	20	3.4		ND	49	8.5	10	8/16/22 8:29	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.39		ND	1.8	1.4	10	8/16/22 8:29	TPH
Methylene Chloride	ND	5.0	2.3		ND	17	8.1	10	8/16/22 8:29	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.50	0.27		ND	2.0	1.1	10	8/16/22 8:29	TPH
Naphthalene	ND	0.50	0.38		ND	2.6	2.0	10	8/16/22 8:29	TPH
Propene	ND	20	4.4		ND	34	7.6	10	8/16/22 8:29	TPH
Styrene	ND	0.50	0.26		ND	2.1	1.1	10	8/16/22 8:29	TPH
1,1,2,2-Tetrachloroethane	ND	0.50	0.27		ND	3.4	1.9	10	8/16/22 8:29	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 8/5/2022
Field Sample #: Influent
Sample ID: 22H0315-01
Sample Matrix: Air
Sampled: 8/3/2022 07:41

Sample Description/Location:
Sub Description/Location:
Canister ID: 2706
Canister Size: 1 liter
Flow Controller ID: 4450
Sample Type: 20 min

Work Order: 22H0315
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	1300	3.0	2.3		8900	20	16	60	8/16/22 9:09	TPH
Tetrahydrofuran	ND	5.0	0.82		ND	15	2.4	10	8/16/22 8:29	TPH
Toluene	3.5	0.50	0.29		13	1.9	1.1	10	8/16/22 8:29	TPH
1,2,4-Trichlorobenzene	ND	0.50	0.46		ND	3.7	3.4	10	8/16/22 8:29	TPH
1,1,1-Trichloroethane	ND	0.50	0.39		ND	2.7	2.1	10	8/16/22 8:29	TPH
1,1,2-Trichloroethane	ND	0.50	0.35		ND	2.7	1.9	10	8/16/22 8:29	TPH
Trichloroethylene	61	0.50	0.34		330	2.7	1.8	10	8/16/22 8:29	TPH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.59		ND	11	3.3	10	8/16/22 8:29	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.56		ND	15	4.3	10	8/16/22 8:29	TPH
1,2,4-Trimethylbenzene	6.2	0.50	0.22		31	2.5	1.1	10	8/16/22 8:29	TPH
1,3,5-Trimethylbenzene	8.5	0.50	0.26		42	2.5	1.3	10	8/16/22 8:29	TPH
Vinyl Acetate	ND	10	2.7		ND	35	9.5	10	8/16/22 8:29	TPH
Vinyl Chloride	0.97	0.50	0.45		2.5	1.3	1.2	10	8/16/22 8:29	TPH
m&p-Xylene	1.9	1.0	0.56		8.3	4.3	2.4	10	8/16/22 8:29	TPH
o-Xylene	1.5	0.50	0.26		6.6	2.2	1.1	10	8/16/22 8:29	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	99.6	70-130	8/16/22 8:29
4-Bromofluorobenzene (1)	97.3	70-130	8/16/22 9:09

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 8/5/2022
Field Sample #: Effluent
Sample ID: 22H0315-02
Sample Matrix: Air
Sampled: 8/3/2022 07:44

Sample Description/Location:
Sub Description/Location:
Canister ID: 2703
Canister Size: 1 liter
Flow Controller ID: 4424
Sample Type: 20 min

Work Order: 22H0315
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	11	8.0	4.8		26	19	11	4	8/16/22 7:09	TPH
Benzene	0.88	0.20	0.15		2.8	0.64	0.48	4	8/16/22 7:09	TPH
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	8/16/22 7:09	TPH
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	8/16/22 7:09	TPH
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	8/16/22 7:09	TPH
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	8/16/22 7:09	TPH
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	8/16/22 7:09	TPH
2-Butanone (MEK)	2.2	8.0	2.1	J	6.4	24	6.3	4	8/16/22 7:09	TPH
Carbon Disulfide	ND	2.0	0.18		ND	6.2	0.58	4	8/16/22 7:09	TPH
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	8/16/22 7:09	TPH
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	8/16/22 7:09	TPH
Chloroethane	0.42	0.20	0.18		1.1	0.53	0.47	4	8/16/22 7:09	TPH
Chloroform	2.5	0.20	0.19		12	0.98	0.93	4	8/16/22 7:09	TPH
Chloromethane	0.59	0.40	0.16		1.2	0.83	0.33	4	8/16/22 7:09	TPH
Cyclohexane	0.26	0.20	0.12		0.88	0.69	0.42	4	8/16/22 7:09	TPH
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	8/16/22 7:09	TPH
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	8/16/22 7:09	TPH
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	8/16/22 7:09	TPH
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	8/16/22 7:09	TPH
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	8/16/22 7:09	TPH
Dichlorodifluoromethane (Freon 12)	0.65	0.20	0.20		3.2	0.99	0.97	4	8/16/22 7:09	TPH
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	8/16/22 7:09	TPH
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	8/16/22 7:09	TPH
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	8/16/22 7:09	TPH
cis-1,2-Dichloroethylene	19	0.20	0.15		74	0.79	0.58	4	8/16/22 7:09	TPH
trans-1,2-Dichloroethylene	0.21	0.20	0.16		0.82	0.79	0.62	4	8/16/22 7:09	TPH
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	8/16/22 7:09	TPH
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	8/16/22 7:09	TPH
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	8/16/22 7:09	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	8/16/22 7:09	TPH
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	8/16/22 7:09	TPH
Ethanol	15	8.0	3.5	L-05	28	15	6.6	4	8/16/22 7:09	TPH
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	8/16/22 7:09	TPH
Ethylbenzene	0.30	0.20	0.12		1.3	0.87	0.51	4	8/16/22 7:09	TPH
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	8/16/22 7:09	TPH
Heptane	0.49	0.20	0.13		2.0	0.82	0.52	4	8/16/22 7:09	TPH
Hexachlorobutadiene	ND	0.20	0.16		ND	2.1	1.8	4	8/16/22 7:09	TPH
Hexane	ND	8.0	1.0		ND	28	3.7	4	8/16/22 7:09	TPH
2-Hexanone (MBK)	0.29	0.20	0.10		1.2	0.82	0.41	4	8/16/22 7:09	TPH
Isopropanol	ND	8.0	1.4		ND	20	3.4	4	8/16/22 7:09	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	8/16/22 7:09	TPH
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	8/16/22 7:09	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	8/16/22 7:09	TPH
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	8/16/22 7:09	TPH
Propene	ND	8.0	1.8		ND	14	3.0	4	8/16/22 7:09	TPH
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	8/16/22 7:09	TPH
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	8/16/22 7:09	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 8/5/2022
Field Sample #: Effluent
Sample ID: 22H0315-02
Sample Matrix: Air
Sampled: 8/3/2022 07:44

Sample Description/Location:
Sub Description/Location:
Canister ID: 2703
Canister Size: 1 liter
Flow Controller ID: 4424
Sample Type: 20 min

Work Order: 22H0315
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	400	2.0	1.5		2700	14	10	40	8/16/22 7:49	TPH
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	8/16/22 7:09	TPH
Toluene	2.7	0.20	0.11		10	0.75	0.43	4	8/16/22 7:09	TPH
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	8/16/22 7:09	TPH
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	8/16/22 7:09	TPH
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	8/16/22 7:09	TPH
Trichloroethylene	8.0	0.20	0.13		43	1.1	0.72	4	8/16/22 7:09	TPH
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	8/16/22 7:09	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	8/16/22 7:09	TPH
1,2,4-Trimethylbenzene	0.19	0.20	0.088	J	0.94	0.98	0.43	4	8/16/22 7:09	TPH
1,3,5-Trimethylbenzene	0.13	0.20	0.11	J	0.63	0.98	0.52	4	8/16/22 7:09	TPH
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	8/16/22 7:09	TPH
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	8/16/22 7:09	TPH
m&p-Xylene	1.1	0.40	0.22		4.6	1.7	0.97	4	8/16/22 7:09	TPH
o-Xylene	0.39	0.20	0.10		1.7	0.87	0.44	4	8/16/22 7:09	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	98.9	70-130	8/16/22 7:09
4-Bromofluorobenzene (1)	98.0	70-130	8/16/22 7:49

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 8/5/2022
Field Sample #: Effluent Duplicate
Sample ID: 22H0315-03
Sample Matrix: Air
Sampled: 8/3/2022 07:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 2710
Canister Size: 1 liter
Flow Controller ID: 4419
Sample Type: 20 min

Work Order: 22H0315
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	8.5	8.0	4.8		20	19	11	4	8/16/22 5:48	TPH
Benzene	1.0	0.20	0.15		3.3	0.64	0.48	4	8/16/22 5:48	TPH
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	8/16/22 5:48	TPH
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	8/16/22 5:48	TPH
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	8/16/22 5:48	TPH
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	8/16/22 5:48	TPH
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	8/16/22 5:48	TPH
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	8/16/22 5:48	TPH
Carbon Disulfide	ND	2.0	0.18		ND	6.2	0.58	4	8/16/22 5:48	TPH
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	8/16/22 5:48	TPH
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	8/16/22 5:48	TPH
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	8/16/22 5:48	TPH
Chloroform	0.95	0.20	0.19		4.6	0.98	0.93	4	8/16/22 5:48	TPH
Chloromethane	0.58	0.40	0.16		1.2	0.83	0.33	4	8/16/22 5:48	TPH
Cyclohexane	0.61	0.20	0.12		2.1	0.69	0.42	4	8/16/22 5:48	TPH
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	8/16/22 5:48	TPH
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	8/16/22 5:48	TPH
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	8/16/22 5:48	TPH
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	8/16/22 5:48	TPH
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	8/16/22 5:48	TPH
Dichlorodifluoromethane (Freon 12)	0.47	0.20	0.20		2.3	0.99	0.97	4	8/16/22 5:48	TPH
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	8/16/22 5:48	TPH
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	8/16/22 5:48	TPH
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	8/16/22 5:48	TPH
cis-1,2-Dichloroethylene	7.0	0.20	0.15		28	0.79	0.58	4	8/16/22 5:48	TPH
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	8/16/22 5:48	TPH
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	8/16/22 5:48	TPH
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	8/16/22 5:48	TPH
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	8/16/22 5:48	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	8/16/22 5:48	TPH
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	8/16/22 5:48	TPH
Ethanol	17	8.0	3.5	L-05	32	15	6.6	4	8/16/22 5:48	TPH
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	8/16/22 5:48	TPH
Ethylbenzene	0.41	0.20	0.12		1.8	0.87	0.51	4	8/16/22 5:48	TPH
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	8/16/22 5:48	TPH
Heptane	0.79	0.20	0.13		3.2	0.82	0.52	4	8/16/22 5:48	TPH
Hexachlorobutadiene	ND	0.20	0.16		ND	2.1	1.8	4	8/16/22 5:48	TPH
Hexane	1.1	8.0	1.0	J	3.7	28	3.7	4	8/16/22 5:48	TPH
2-Hexanone (MBK)	0.12	0.20	0.10	J	0.49	0.82	0.41	4	8/16/22 5:48	TPH
Isopropanol	ND	8.0	1.4		ND	20	3.4	4	8/16/22 5:48	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	8/16/22 5:48	TPH
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	8/16/22 5:48	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	8/16/22 5:48	TPH
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	8/16/22 5:48	TPH
Propene	ND	8.0	1.8		ND	14	3.0	4	8/16/22 5:48	TPH
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	8/16/22 5:48	TPH
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	8/16/22 5:48	TPH

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 8/5/2022
Field Sample #: Effluent Duplicate
Sample ID: 22H0315-03
Sample Matrix: Air
Sampled: 8/3/2022 07:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 2710
Canister Size: 1 liter
Flow Controller ID: 4419
Sample Type: 20 min

Work Order: 22H0315
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	210	2.0	1.5		1500	14	10	40	8/16/22 6:28	TPH
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	8/16/22 5:48	TPH
Toluene	4.4	0.20	0.11		17	0.75	0.43	4	8/16/22 5:48	TPH
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	8/16/22 5:48	TPH
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	8/16/22 5:48	TPH
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	8/16/22 5:48	TPH
Trichloroethylene	3.1	0.20	0.13		17	1.1	0.72	4	8/16/22 5:48	TPH
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	8/16/22 5:48	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	8/16/22 5:48	TPH
1,2,4-Trimethylbenzene	0.30	0.20	0.088		1.5	0.98	0.43	4	8/16/22 5:48	TPH
1,3,5-Trimethylbenzene	0.24	0.20	0.11		1.2	0.98	0.52	4	8/16/22 5:48	TPH
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	8/16/22 5:48	TPH
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	8/16/22 5:48	TPH
m&p-Xylene	1.4	0.40	0.22		6.0	1.7	0.97	4	8/16/22 5:48	TPH
o-Xylene	0.47	0.20	0.10		2.0	0.87	0.44	4	8/16/22 5:48	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	8/16/22 5:48
4-Bromofluorobenzene (1)	98.9	70-130	8/16/22 6:28

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B315244 - TO-15 Prep											
Blank (B315244-BLK1)					Prepared & Analyzed: 08/15/22						
Acetone	ND	1.4									
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.35									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.070									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									
Ethyl Acetate	ND	0.35									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.35									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Propene	ND	1.4									
Styrene	ND	0.035									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B315244 - TO-15 Prep											
Blank (B315244-BLK1)					Prepared & Analyzed: 08/15/22						
1,1,2,2-Tetrachloroethane	ND	0.035									
Tetrachloroethylene	ND	0.035									
Tetrahydrofuran	ND	0.35									
Toluene	ND	0.035									
1,2,4-Trichlorobenzene	ND	0.035									
1,1,1-Trichloroethane	ND	0.035									
1,1,2-Trichloroethane	ND	0.035									
Trichloroethylene	ND	0.035									
Trichlorofluoromethane (Freon 11)	ND	0.14									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14									
1,2,4-Trimethylbenzene	ND	0.035									
1,3,5-Trimethylbenzene	ND	0.035									
Vinyl Acetate	ND	0.70									
Vinyl Chloride	ND	0.035									
m&p-Xylene	ND	0.070									
o-Xylene	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*7.83*				*8.00*		*97.9*	*70-130*			
LCS (B315244-BS1)					Prepared & Analyzed: 08/15/22						
Acetone	5.41				5.00		108	70-130			
Benzene	5.21				5.00		104	70-130			
Benzyl chloride	5.63				5.00		113	70-130			
Bromodichloromethane	5.32				5.00		106	70-130			
Bromoform	5.86				5.00		117	70-130			
Bromomethane	6.48				5.00		130	70-130			V-06
1,3-Butadiene	5.96				5.00		119	70-130			
2-Butanone (MEK)	5.00				5.00		100	70-130			
Carbon Disulfide	5.02				5.00		100	70-130			
Carbon Tetrachloride	5.16				5.00		103	70-130			
Chlorobenzene	5.04				5.00		101	70-130			
Chloroethane	6.37				5.00		127	70-130			
Chloroform	4.64				5.00		92.8	70-130			
Chloromethane	6.09				5.00		122	70-130			
Cyclohexane	5.05				5.00		101	70-130			
Dibromochloromethane	5.39				5.00		108	70-130			
1,2-Dibromoethane (EDB)	5.26				5.00		105	70-130			
1,2-Dichlorobenzene	5.23				5.00		105	70-130			
1,3-Dichlorobenzene	5.37				5.00		107	70-130			
1,4-Dichlorobenzene	5.29				5.00		106	70-130			
Dichlorodifluoromethane (Freon 12)	4.81				5.00		96.3	70-130			
1,1-Dichloroethane	4.83				5.00		96.6	70-130			
1,2-Dichloroethane	4.64				5.00		92.9	70-130			
1,1-Dichloroethylene	5.01				5.00		100	70-130			
cis-1,2-Dichloroethylene	4.75				5.00		95.0	70-130			
trans-1,2-Dichloroethylene	4.78				5.00		95.6	70-130			
1,2-Dichloropropane	5.39				5.00		108	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B315244 - TO-15 Prep												
LCS (B315244-BS1)					Prepared & Analyzed: 08/15/22							
cis-1,3-Dichloropropene	5.07				5.00		101		70-130			
trans-1,3-Dichloropropene	5.24				5.00		105		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.58				5.00		112		70-130			
1,4-Dioxane	5.10				5.00		102		70-130			
Ethanol	6.83				5.00		**137**	*	70-130			L-05
Ethyl Acetate	4.85				5.00		97.1		70-130			
Ethylbenzene	5.17				5.00		103		70-130			
4-Ethyltoluene	5.24				5.00		105		70-130			
Heptane	5.36				5.00		107		70-130			
Hexachlorobutadiene	4.90				5.00		98.1		70-130			
Hexane	4.76				5.00		95.2		70-130			
2-Hexanone (MBK)	5.58				5.00		112		70-130			
Isopropanol	5.24				5.00		105		70-130			
Methyl tert-Butyl Ether (MTBE)	4.49				5.00		89.9		70-130			
Methylene Chloride	4.54				5.00		90.7		70-130			
4-Methyl-2-pentanone (MIBK)	5.67				5.00		113		70-130			
Naphthalene	5.28				5.00		106		70-130			
Propene	4.26				5.00		85.1		70-130			
Styrene	5.22				5.00		104		70-130			
1,1,2,2-Tetrachloroethane	5.66				5.00		113		70-130			
Tetrachloroethylene	4.80				5.00		96.1		70-130			
Tetrahydrofuran	4.40				5.00		88.1		70-130			
Toluene	5.13				5.00		103		70-130			
1,2,4-Trichlorobenzene	5.08				5.00		102		70-130			
1,1,1-Trichloroethane	4.86				5.00		97.2		70-130			
1,1,2-Trichloroethane	5.34				5.00		107		70-130			
Trichloroethylene	4.97				5.00		99.4		70-130			
Trichlorofluoromethane (Freon 11)	6.54				5.00		**131**	*	70-130			L-05, V-06
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.74				5.00		94.9		70-130			
1,2,4-Trimethylbenzene	5.16				5.00		103		70-130			
1,3,5-Trimethylbenzene	5.24				5.00		105		70-130			
Vinyl Acetate	4.24				5.00		84.9		70-130			
Vinyl Chloride	5.97				5.00		119		70-130			
m&p-Xylene	10.3				10.0		103		70-130			
o-Xylene	5.25				5.00		105		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.00*				*8.00*		*100*		*70-130*			

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Note: Blank Subtraction is not performed unless otherwise noted

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-05	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

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ANALYST

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RAP	Raisa A. Petraitis
STATION	PDF Management Station
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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S074615-ICV1)			Lab File ID: G22A210019.D			Analyzed: 07/30/22 00:36			
Bromochloromethane (1)	1239190	8.307	1239190	8.307	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2932256	10.081	2932256	10.081	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2672882	14.452	2672882	14.452	100	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S075373-CCV1)			Lab File ID: G22A227004.D			Analyzed: 08/15/22 13:19			
Bromochloromethane (1)	1418255	8.313	1418255	8.313	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2901426	10.081	2901426	10.081	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2576134	14.452	2576134	14.452	100	60 - 140	0.0000	+/-0.50	
LCS (B315244-BS1)			Lab File ID: G22A227005.D			Analyzed: 08/15/22 13:59			
Bromochloromethane (1)	1422988	8.307	1418255	8.313	100	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2940298	10.081	2901426	10.081	101	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2590698	14.452	2576134	14.452	101	60 - 140	0.0000	+/-0.50	
Blank (B315244-BLK1)			Lab File ID: G22A227010.D			Analyzed: 08/15/22 17:26			
Bromochloromethane (1)	1320394	8.313	1418255	8.313	93	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2765840	10.087	2901426	10.081	95	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2476491	14.452	2576134	14.452	96	60 - 140	0.0000	+/-0.50	
Effluent Duplicate (22H0315-03)			Lab File ID: G22A227028.D			Analyzed: 08/16/22 05:48			
Bromochloromethane (1)	1359007	8.307	1418255	8.313	96	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2888670	10.081	2901426	10.081	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2584782	14.446	2576134	14.452	100	60 - 140	-0.0060	+/-0.50	
Effluent Duplicate (22H0315-03RE1)			Lab File ID: G22A227029.D			Analyzed: 08/16/22 06:28			
Bromochloromethane (1)	1317553	8.313	1418255	8.313	93	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2761267	10.081	2901426	10.081	95	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2465143	14.446	2576134	14.452	96	60 - 140	-0.0060	+/-0.50	
Effluent (22H0315-02)			Lab File ID: G22A227030.D			Analyzed: 08/16/22 07:09			
Bromochloromethane (1)	1302930	8.307	1418255	8.313	92	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2666075	10.081	2901426	10.081	92	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2432915	14.452	2576134	14.452	94	60 - 140	0.0000	+/-0.50	
Effluent (22H0315-02RE1)			Lab File ID: G22A227031.D			Analyzed: 08/16/22 07:49			
Bromochloromethane (1)	1288306	8.307	1418255	8.313	91	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2645573	10.081	2901426	10.081	91	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2375624	14.446	2576134	14.452	92	60 - 140	-0.0060	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Influent (22H0315-01)			Lab File ID: G22A227032.D			Analyzed: 08/16/22 08:29			
Bromochloromethane (1)	1247121	8.307	1418255	8.313	88	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2498095	10.081	2901426	10.081	86	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2248059	14.446	2576134	14.452	87	60 - 140	-0.0060	+/-0.50	
Influent (22H0315-01RE1)			Lab File ID: G22A227033.D			Analyzed: 08/16/22 09:09			
Bromochloromethane (1)	1238023	8.313	1418255	8.313	87	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2457302	10.081	2901426	10.081	85	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2207780	14.452	2576134	14.452	86	60 - 140	0.0000	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S075373-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	5.42	1.270847	1.376844		8.3	30
Benzene	A	5.00	5.38	0.8666219	0.9332277		7.7	30
Benzyl chloride	A	5.00	5.25	1.036272	1.087572		5.0	30
Bromodichloromethane	A	5.00	5.51	0.6411417	0.7069837		10.3	30
Bromoform	A	5.00	5.79	0.5234219	0.6056561		15.7	30
Bromomethane	A	5.00	6.66	0.485155	0.6458731		33.1	30 *
1,3-Butadiene	A	5.00	6.31	0.504079	0.6358778		26.1	30
2-Butanone (MEK)	A	5.00	4.84	1.418188	1.371704		-3.3	30
Carbon Disulfide	A	5.00	4.88	1.791482	1.746572		-2.5	30
Carbon Tetrachloride	A	5.00	5.25	0.4973133	0.5219751		5.0	30
Chlorobenzene	A	5.00	5.14	0.7954194	0.8171333		2.7	30
Chloroethane	A	5.00	6.45	0.3099033	0.399998		29.1	30
Chloroform	A	5.00	4.72	1.429247	1.348228		-5.7	30
Chloromethane	A	5.00	6.04	0.5844671	0.706537		20.9	30
Cyclohexane	A	5.00	5.06	0.3597965	0.3637737		1.1	30
Dibromochloromethane	A	5.00	5.44	0.5661293	0.6153438		8.7	30
1,2-Dibromoethane (EDB)	A	5.00	5.32	0.5690324	0.60582		6.5	30
1,2-Dichlorobenzene	A	5.00	4.77	0.6570067	0.6272643		-4.5	30
1,3-Dichlorobenzene	A	5.00	5.10	0.6942366	0.707965		2.0	30
1,4-Dichlorobenzene	A	5.00	4.94	0.6922274	0.6842178		-1.2	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.03	1.528965	1.53774		0.6	30
1,1-Dichloroethane	A	5.00	4.84	1.234625	1.195991		-3.1	30
1,2-Dichloroethane	A	5.00	4.77	0.9424287	0.8985329		-4.7	30
1,1-Dichloroethylene	A	5.00	4.98	1.114581	1.110313		-0.4	30
cis-1,2-Dichloroethylene	A	5.00	4.89	0.9094763	0.8899387		-2.1	30
trans-1,2-Dichloroethylene	A	5.00	4.90	0.9334765	0.9158139		-1.9	30
1,2-Dichloropropane	A	5.00	5.55	0.3388266	0.376231		11.0	30
cis-1,3-Dichloropropene	A	5.00	5.48	0.5067784	0.5551317		9.5	30
trans-1,3-Dichloropropene	A	5.00	5.39	0.4548172	0.4899246		7.7	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.92	1.576627	1.866254		18.4	30
1,4-Dioxane	A	5.00	4.58	0.1875159	0.1719469		-8.3	30
Ethanol	A	5.00	5.96	0.2478809	0.2955576		19.2	30
Ethyl Acetate	A	5.00	4.60	0.2145366	0.1975114		-7.9	30
Ethylbenzene	A	5.00	5.22	1.444568	1.508664		4.4	30
4-Ethyltoluene	A	5.00	5.13	1.426567	1.463415		2.6	30
Heptane	A	5.00	5.55	0.2788992	0.3094699		11.0	30
Hexachlorobutadiene	A	5.00	4.28	0.4996279	0.4272181		-14.5	30
Hexane	A	5.00	4.80	0.8743096	0.8522326		-4.0	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S075373-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	5.41	0.8053556	0.8712342		8.2	30
Isopropanol	A	5.00	5.77	1.404216	1.619218		15.3	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.48	1.810187	1.622666		-10.4	30
Methylene Chloride	A	5.00	4.60	0.8993197	0.8279346		-7.9	30
4-Methyl-2-pentanone (MIBK)	A	5.00	5.69	0.7423771	0.8442199		13.7	30
Naphthalene	A	5.00	4.43	1.007165	0.8930498		-11.3	30
Propene	A	5.00	4.43	0.5802045	0.5142477		-11.4	30
Styrene	A	5.00	5.24	0.7943381	0.8331399		4.9	30
1,1,2,2-Tetrachloroethane	A	5.00	5.46	0.8847882	0.9669727		9.3	30
Tetrachloroethylene	A	5.00	4.89	0.4718416	0.4611766		-2.3	30
Tetrahydrofuran	A	5.00	4.34	0.3098736	0.2690946		-13.2	30
Toluene	A	5.00	5.25	1.138478	1.195589		5.0	30
1,2,4-Trichlorobenzene	A	5.00	4.22	0.51272	0.4328415		-15.6	30
1,1,1-Trichloroethane	A	5.00	5.14	0.5622378	0.5782365		2.8	30
1,1,2-Trichloroethane	A	5.00	5.36	0.3802225	0.4074092		7.2	30
Trichloroethylene	A	5.00	5.15	0.3795079	0.3910524		3.0	30
Trichlorofluoromethane (Freon 11)	A	5.00	6.58	1.231325	1.619213		31.5	30 *
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.69	1.259414	1.180961		-6.2	30
1,2,4-Trimethylbenzene	A	5.00	5.01	1.171584	1.17449		0.2	30
1,3,5-Trimethylbenzene	A	5.00	5.16	1.17899	1.216586		3.2	30
Vinyl Acetate	A	5.00	4.83	1.889793	1.826807		-3.3	30
Vinyl Chloride	A	5.00	6.00	0.665387	0.7987145		20.0	30
m&p-Xylene	A	10.0	10.4	1.150879	1.198276		4.1	30
o-Xylene	A	5.00	5.26	1.151384	1.210666		5.1	30

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

* Values outside of QC limits

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Acetone	AIHA,NY,ME,NH
Benzene	AIHA,FL,NJ,NY,ME,NH,VA
Benzyl chloride	AIHA,FL,NJ,NY,ME,NH,VA
Bromodichloromethane	AIHA,NJ,NY,ME,NH,VA
Bromoform	AIHA,NJ,NY,ME,NH,VA
Bromomethane	AIHA,FL,NJ,NY,ME,NH
1,3-Butadiene	AIHA,NJ,NY,ME,NH,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,ME,NH,VA
Carbon Disulfide	AIHA,NJ,NY,ME,NH,VA
Carbon Tetrachloride	AIHA,FL,NJ,NY,ME,NH,VA
Chlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Chloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Chloroform	AIHA,FL,NJ,NY,ME,NH,VA
Chloromethane	AIHA,FL,NJ,NY,ME,NH,VA
Cyclohexane	AIHA,NJ,NY,ME,NH,VA
Dibromochloromethane	AIHA,NY,ME,NH
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME,NH
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	AIHA,NJ,NY,ME,NH
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME,NH
1,1-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,ME,NH,VA
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	AIHA,NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA,NJ
Heptane	AIHA,NJ,NY,ME,NH,VA
Hexachlorobutadiene	AIHA,NJ,NY,ME,NH,VA
Hexane	AIHA,FL,NJ,NY,ME,NH,VA
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,ME,NH,VA
Methylene Chloride	AIHA,FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Tetrachloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Tetrahydrofuran	AIHA
Toluene	AIHA,FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	AIHA,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Trichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	AIHA,NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	AIHA,NJ,NY,ME,NH
1,3,5-Trimethylbenzene	AIHA,NJ,NY,ME,NH
Vinyl Acetate	AIHA,FL,NJ,NY,ME,NH,VA
Vinyl Chloride	AIHA,FL,NJ,NY,ME,NH,VA
m&p-Xylene	AIHA,FL,NJ,NY,ME,NH,VA
o-Xylene	AIHA,FL,NJ,NY,ME,NH,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
NC-DW	North Carolina Department of Health and Human Services	25703	07/31/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

22H0315

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DOC #378 REV3_11232021

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name: NYS DEC DEC
Address: 625 Broadway Albany NY 12233
Phone: 1(518) 402/9813
Project Name: Staubs Textile
Project Location: 935 E. Main St. Rochester NY
Project Number: 828660 call at ID
Project Manager: Robert Strang
Pace Quote Name/Number:
Invoice Recipient: Robert Strang@DEC.NY.GOV
Sampled By: Ryan Glass

Regular Turnaround Time: 7-Day ✓ 10-Day ☐
Due Date:

Rush Approval Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐

Data Delivery: Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Lab Use: Pace Work Order#	Client Use: Client Sample ID / Description	Collection Data: Beginning Date/Time	Ending Date/Time	Duration: Total Minutes Sampled	Flow Rate: m³/min L/min	Matrix: Code	Volume: Liters m³	TO 14/15 Standard / Low Level				Initial Pressure (" Hg)	Final Pressure (" Hg)	Lab Receipt Pressure (" Hg)	Summa Can ID	Flow Controller ID
1	Influent	8/3/22 715	741	21				X				-30	-4	3.7	2706	4450
2	Effluent	8/3/22 7:20	744	24				X				-27	-4	3.9	2703	4424
3	Effluent Duplicat	8/3/22 7:20	743	23				X				-27	-4	3.2	2710	4419

Comments: Email Results to Client and CC dawp@nwcontracting.com. Robert Strang@DEC.NY.GOV

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 8/3/22
Received by: (signature)	Date/Time: 8/5 1205
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements: MA; SI; Other:

Special Requirements: ☐ MA MCP Required; MCP Certification Form Required; ☐ CT RCP Required; RCP Certification Form Required; ☐ Other

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NELAC and AIHA-LAP, LLC Accredited

Project Entity: ☐ Government ☐ Municipality ☐ MWRA ☐ WRTA; ☐ Federal ☐ 21 J ☐ School; ☐ City ☐ Brownfield ☐ MBTA

Other: ☐ Chromatogram; ☐ AIHA-LAP,LLC

PCB ONLY: ☐ Soxhlet; ☐ Non Soxhlet

FedEx® Tracking

DELIVERED

Friday

8/5/2022 at 12:05 pm

Signed for by: APIENOWSKI

Obtain Proof of delivery

How was your delivery?

DELIVERY STATUS

Delivered

Get Status Updates

TRACKING ID

777500104425

FROM
ALDEN, NY US

PACKAGE RECEIVED BY FEDEX
FARMINGTON, NY
8/3/2022 14:06

IN TRANSIT
WINDSOR, CT
8/5/2022 07:42

OUT FOR DELIVERY
WINDSOR, CT
8/5/2022 07:48

DELIVERED
East Longmeadow, MA US

DELIVERED
8/5/2022 at 12:05 PM

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Doc# 278 Rev 7 July 2022

Air Media Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client NYDEC

Received By RAP Date 8/5 Time 1205

How Were the samples received? In Cooler ___ On Ice ___ No Ice ___ In Box T Ambient ___ Melted Ice ___

Were samples within Tempurature Compliance? Within 2-6°C ___ By Gun # ___ Actual Temp - ___ By Blank # ___ Actual Temp - ___

Was Custody Seal In tact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there any loose caps/valves on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC Include all Pertinent Information? Client? T Analysis? T Sampler Name? T Project? T ID's? T Collection Dates/Times? T

Are Sample Labels filled out and legible? T

Are there Rushes? F Who was notified? ___

Samples are received within holding time? T

Proper Media Used? T Individually Certified Cans? F

Are there Trip Blanks? F Is there enough Volume? T

Containers:	#	Size	Regulator	Duration	Accessories:			
Summa Cans	3	6 L	3	30 min	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/TO-11s					Tedlar			

Can #'s					Reg #'s				
2706					4458				
2707					4424				
2710					4419				
Unused Media					**Pufs/TO-17's**				

Comments:

Air Sampling Media Certificate of Analysis

Date Analyzed: 6/1/2022 **Batch #:** 22CC0480

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2710

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: TPH 8/16/22

Air Sampling Media Certificate of Analysis

Date Analyzed: 4/25/2022 **Batch #:** 22CC0362

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2706 BC2703

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: TPH 8/16/22

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September 8, 2022

Robert Strang
NYS Division of Environmental Remediation
625 Broadway 12th Floor
Albany, NY 12233-7012

Project Location: 935 E. Main St., Rochester, NY
Client Job Number:
Project Number: 828160
Laboratory Work Order Number: 22I0213

Enclosed are results of analyses for samples as received by the laboratory on September 6, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

QA Officer
Katherine Allen

Laboratory Manager
Daren Damboragian

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

NYS Division of Environmental Remediation
625 Broadway 12th Floor
Albany, NY 12233-7012
ATTN: Robert Strang

REPORT DATE: 9/8/2022

PURCHASE ORDER NUMBER: 142737

PROJECT NUMBER: 828160

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22I0213

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

PROJECT LOCATION: 935 E. Main St., Rochester, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Influent	22I0213-01	Soil Gas		EPA TO-15	
Effluent	22I0213-02	Soil Gas		EPA TO-15	
Effluent Duplicate	22I0213-03	Soil Gas		EPA TO-15	

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CASE NARRATIVE SUMMARY

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

EPA TO-15

Qualifications:

L-03 Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Acetone, Ethanol, Isopropanol

22I0213-01[Influent], 22I0213-02[Effluent], 22I0213-03[Effluent Duplicate], B316774-BLK1, B316774-BS1, B316776-BLK1, B316776-BS1

RL-11 Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22I0213-01[Influent]

V-05 Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Acetone, Hexachlorobutadiene

22I0213-01[Influent], 22I0213-02[Effluent], 22I0213-03[Effluent Duplicate], B316774-BLK1, B316774-BS1, B316776-BLK1, B316776-BS1, S076300-CCV1, S076302-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Meghan E. Kelley
Project Management Supervisor

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/6/2022
Field Sample #: Influent
Sample ID: 22I0213-01
Sample Matrix: Soil Gas
Sampled: 9/2/2022 08:51

Sample Description/Location:
Sub Description/Location:
Canister ID: 2869
Canister Size: 1 liter
Flow Controller ID: 4427
Sample Type: 20 min

Work Order: 22I0213
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	120	72	V-05, L-03	ND	290	170	60	9/6/22 22:55	BRF
Benzene	ND	3.0	2.3		ND	9.6	7.3	60	9/6/22 22:55	BRF
Benzyl chloride	ND	3.0	2.6		ND	16	14	60	9/6/22 22:55	BRF
Bromodichloromethane	ND	3.0	2.1		ND	20	14	60	9/6/22 22:55	BRF
Bromoform	ND	3.0	2.0		ND	31	21	60	9/6/22 22:55	BRF
Bromomethane	ND	3.0	2.0		ND	12	7.8	60	9/6/22 22:55	BRF
1,3-Butadiene	ND	3.0	2.5		ND	6.6	5.6	60	9/6/22 22:55	BRF
2-Butanone (MEK)	ND	120	32		ND	350	94	60	9/6/22 22:55	BRF
Carbon Disulfide	ND	30	2.8		ND	93	8.6	60	9/6/22 22:55	BRF
Carbon Tetrachloride	ND	3.0	2.4		ND	19	15	60	9/6/22 22:55	BRF
Chlorobenzene	ND	3.0	2.0		ND	14	9.2	60	9/6/22 22:55	BRF
Chloroethane	ND	3.0	2.7		ND	7.9	7.0	60	9/6/22 22:55	BRF
Chloroform	ND	3.0	2.8		ND	15	14	60	9/6/22 22:55	BRF
Chloromethane	ND	6.0	2.4		ND	12	4.9	60	9/6/22 22:55	BRF
Cyclohexane	ND	3.0	1.8		ND	10	6.2	60	9/6/22 22:55	BRF
Dibromochloromethane	ND	3.0	2.0		ND	26	17	60	9/6/22 22:55	BRF
1,2-Dibromoethane (EDB)	ND	3.0	1.8		ND	23	14	60	9/6/22 22:55	BRF
1,2-Dichlorobenzene	ND	3.0	1.7		ND	18	10	60	9/6/22 22:55	BRF
1,3-Dichlorobenzene	ND	3.0	1.7		ND	18	10.0	60	9/6/22 22:55	BRF
1,4-Dichlorobenzene	ND	3.0	2.0		ND	18	12	60	9/6/22 22:55	BRF
Dichlorodifluoromethane (Freon 12)	ND	3.0	2.9		ND	15	14	60	9/6/22 22:55	BRF
1,1-Dichloroethane	ND	3.0	2.6		ND	12	11	60	9/6/22 22:55	BRF
1,2-Dichloroethane	ND	3.0	2.7		ND	12	11	60	9/6/22 22:55	BRF
1,1-Dichloroethylene	ND	3.0	2.3		ND	12	9.1	60	9/6/22 22:55	BRF
cis-1,2-Dichloroethylene	950	3.0	2.2		3800	12	8.7	60	9/6/22 22:55	BRF
trans-1,2-Dichloroethylene	6.0	3.0	2.4		24	12	9.3	60	9/6/22 22:55	BRF
1,2-Dichloropropane	ND	3.0	1.6		ND	14	7.5	60	9/6/22 22:55	BRF
cis-1,3-Dichloropropene	ND	3.0	1.6		ND	14	7.1	60	9/6/22 22:55	BRF
trans-1,3-Dichloropropene	ND	3.0	1.5		ND	14	7.0	60	9/6/22 22:55	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	3.0	3.0		ND	21	21	60	9/6/22 22:55	BRF
1,4-Dioxane	ND	30	2.5		ND	110	9.0	60	9/6/22 22:55	BRF
Ethanol	ND	120	53	L-03	ND	230	100	60	9/6/22 22:55	BRF
Ethyl Acetate	ND	30	15		ND	110	55	60	9/6/22 22:55	BRF
Ethylbenzene	ND	3.0	1.8		ND	13	7.6	60	9/6/22 22:55	BRF
4-Ethyltoluene	3.1	3.0	1.8		15	15	9.1	60	9/6/22 22:55	BRF
Heptane	3.1	3.0	1.9		13	12	7.9	60	9/6/22 22:55	BRF
Hexachlorobutadiene	ND	3.0	2.5		ND	32	26	60	9/6/22 22:55	BRF
Hexane	ND	120	16		ND	420	55	60	9/6/22 22:55	BRF
2-Hexanone (MBK)	ND	3.0	1.5		ND	12	6.1	60	9/6/22 22:55	BRF
Isopropanol	ND	120	21	L-03	ND	290	51	60	9/6/22 22:55	BRF
Methyl tert-Butyl Ether (MTBE)	ND	3.0	2.3		ND	11	8.4	60	9/6/22 22:55	BRF
Methylene Chloride	ND	30	14		ND	100	48	60	9/6/22 22:55	BRF
4-Methyl-2-pentanone (MIBK)	ND	3.0	1.6		ND	12	6.6	60	9/6/22 22:55	BRF
Naphthalene	ND	3.0	2.3		ND	16	12	60	9/6/22 22:55	BRF
Propene	ND	120	26		ND	210	45	60	9/6/22 22:55	BRF
Styrene	ND	3.0	1.6		ND	13	6.7	60	9/6/22 22:55	BRF
1,1,2,2-Tetrachloroethane	ND	3.0	1.6		ND	21	11	60	9/6/22 22:55	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/6/2022
Field Sample #: Influent
Sample ID: 22I0213-01
Sample Matrix: Soil Gas
Sampled: 9/2/2022 08:51

Sample Description/Location:
Sub Description/Location:
Canister ID: 2869
Canister Size: 1 liter
Flow Controller ID: 4427
Sample Type: 20 min

Work Order: 22I0213
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	6800	30	23		46000	200	160	600	9/8/22 2:08	BRF
Tetrahydrofuran	ND	30	4.9		ND	88	15	60	9/6/22 22:55	BRF
Toluene	1.7	3.0	1.7	J	6.6	11	6.5	60	9/6/22 22:55	BRF
1,2,4-Trichlorobenzene	ND	3.0	2.8		ND	22	21	60	9/6/22 22:55	BRF
1,1,1-Trichloroethane	ND	3.0	2.4		ND	16	13	60	9/6/22 22:55	BRF
1,1,2-Trichloroethane	ND	3.0	2.1		ND	16	12	60	9/6/22 22:55	BRF
Trichloroethylene	390	3.0	2.0		2100	16	11	60	9/6/22 22:55	BRF
Trichlorofluoromethane (Freon 11)	ND	12	3.5		ND	67	20	60	9/6/22 22:55	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	12	3.3		ND	92	26	60	9/6/22 22:55	BRF
1,2,4-Trimethylbenzene	16	3.0	1.3		77	15	6.5	60	9/6/22 22:55	BRF
1,3,5-Trimethylbenzene	21	3.0	1.6		100	15	7.8	60	9/6/22 22:55	BRF
Vinyl Acetate	ND	60	16		ND	210	57	60	9/6/22 22:55	BRF
Vinyl Chloride	3.0	3.0	2.7		7.7	7.7	6.9	60	9/6/22 22:55	BRF
m&p-Xylene	3.5	6.0	3.4	J	15	26	15	60	9/6/22 22:55	BRF
o-Xylene	3.2	3.0	1.5		14	13	6.7	60	9/6/22 22:55	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	89.2	70-130	9/8/22 2:08
4-Bromofluorobenzene (1)	92.0	70-130	9/6/22 22:55

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/6/2022
Field Sample #: Effluent
Sample ID: 22I0213-02
Sample Matrix: Soil Gas
Sampled: 9/2/2022 08:56

Sample Description/Location:
Sub Description/Location:
Canister ID: 2868
Canister Size: 1 liter
Flow Controller ID: 4440
Sample Type: 20 min

Work Order: 22I0213
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	7.2	8.0	4.8	J, L-03, V-05	17	19	11	4	9/8/22 0:47	BRF
Benzene	0.59	0.20	0.15		1.9	0.64	0.48	4	9/8/22 0:47	BRF
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	9/8/22 0:47	BRF
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	9/8/22 0:47	BRF
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	9/8/22 0:47	BRF
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	9/8/22 0:47	BRF
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	9/8/22 0:47	BRF
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	9/8/22 0:47	BRF
Carbon Disulfide	ND	2.0	0.18		ND	6.2	0.58	4	9/8/22 0:47	BRF
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	9/8/22 0:47	BRF
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	9/8/22 0:47	BRF
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	9/8/22 0:47	BRF
Chloroform	1.3	0.20	0.19		6.4	0.98	0.93	4	9/8/22 0:47	BRF
Chloromethane	0.54	0.40	0.16		1.1	0.83	0.33	4	9/8/22 0:47	BRF
Cyclohexane	0.21	0.20	0.12		0.72	0.69	0.42	4	9/8/22 0:47	BRF
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	9/8/22 0:47	BRF
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	9/8/22 0:47	BRF
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	9/8/22 0:47	BRF
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	9/8/22 0:47	BRF
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	9/8/22 0:47	BRF
Dichlorodifluoromethane (Freon 12)	0.51	0.20	0.20		2.5	0.99	0.97	4	9/8/22 0:47	BRF
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	9/8/22 0:47	BRF
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	9/8/22 0:47	BRF
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	9/8/22 0:47	BRF
cis-1,2-Dichloroethylene	12	0.20	0.15		46	0.79	0.58	4	9/8/22 0:47	BRF
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	9/8/22 0:47	BRF
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	9/8/22 0:47	BRF
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	9/8/22 0:47	BRF
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	9/8/22 0:47	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	9/8/22 0:47	BRF
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	9/8/22 0:47	BRF
Ethanol	10	8.0	3.5	L-03	19	15	6.6	4	9/8/22 0:47	BRF
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	9/8/22 0:47	BRF
Ethylbenzene	0.32	0.20	0.12		1.4	0.87	0.51	4	9/8/22 0:47	BRF
4-Ethyltoluene	0.20	0.20	0.12		0.98	0.98	0.60	4	9/8/22 0:47	BRF
Heptane	0.24	0.20	0.13		0.98	0.82	0.52	4	9/8/22 0:47	BRF
Hexachlorobutadiene	ND	0.20	0.16	V-05	ND	2.1	1.8	4	9/8/22 0:47	BRF
Hexane	ND	8.0	1.0		ND	28	3.7	4	9/8/22 0:47	BRF
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	9/8/22 0:47	BRF
Isopropanol	ND	8.0	1.4	L-03	ND	20	3.4	4	9/8/22 0:47	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	9/8/22 0:47	BRF
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	9/8/22 0:47	BRF
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	9/8/22 0:47	BRF
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	9/8/22 0:47	BRF
Propene	ND	8.0	1.8		ND	14	3.0	4	9/8/22 0:47	BRF
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	9/8/22 0:47	BRF
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	9/8/22 0:47	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/6/2022
Field Sample #: Effluent
Sample ID: 22I0213-02
Sample Matrix: Soil Gas
Sampled: 9/2/2022 08:56

Sample Description/Location:
Sub Description/Location:
Canister ID: 2868
Canister Size: 1 liter
Flow Controller ID: 4440
Sample Type: 20 min

Work Order: 22I0213
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	270	3.0	2.3		1900	20	16	60	9/6/22 21:36	BRF
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	9/8/22 0:47	BRF
Toluene	1.7	0.20	0.11		6.2	0.75	0.43	4	9/8/22 0:47	BRF
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	9/8/22 0:47	BRF
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	9/8/22 0:47	BRF
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	9/8/22 0:47	BRF
Trichloroethylene	6.2	0.20	0.13		34	1.1	0.72	4	9/8/22 0:47	BRF
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	9/8/22 0:47	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	9/8/22 0:47	BRF
1,2,4-Trimethylbenzene	0.92	0.20	0.088		4.5	0.98	0.43	4	9/8/22 0:47	BRF
1,3,5-Trimethylbenzene	0.47	0.20	0.11		2.3	0.98	0.52	4	9/8/22 0:47	BRF
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	9/8/22 0:47	BRF
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	9/8/22 0:47	BRF
m&p-Xylene	1.4	0.40	0.22		6.0	1.7	0.97	4	9/8/22 0:47	BRF
o-Xylene	0.50	0.20	0.10		2.2	0.87	0.44	4	9/8/22 0:47	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	93.7	70-130	9/8/22 0:47
4-Bromofluorobenzene (1)	92.4	70-130	9/6/22 21:36

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/6/2022
Field Sample #: Effluent Duplicate
Sample ID: 22I0213-03
Sample Matrix: Soil Gas
Sampled: 9/2/2022 08:56

Sample Description/Location:
Sub Description/Location:
Canister ID: 2874
Canister Size: 1 liter
Flow Controller ID: 4434
Sample Type: 20 min

Work Order: 22I0213
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	12	8.0	4.8	L-03, V-05	30	19	11	4	9/8/22 1:27	BRF
Benzene	1.1	0.20	0.15		3.6	0.64	0.48	4	9/8/22 1:27	BRF
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	9/8/22 1:27	BRF
Bromodichloromethane	0.18	0.20	0.14	J	1.2	1.3	0.94	4	9/8/22 1:27	BRF
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	9/8/22 1:27	BRF
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	9/8/22 1:27	BRF
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	9/8/22 1:27	BRF
2-Butanone (MEK)	4.4	8.0	2.1	J	13	24	6.3	4	9/8/22 1:27	BRF
Carbon Disulfide	0.54	2.0	0.18	J	1.7	6.2	0.58	4	9/8/22 1:27	BRF
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	9/8/22 1:27	BRF
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	9/8/22 1:27	BRF
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	9/8/22 1:27	BRF
Chloroform	3.9	0.20	0.19		19	0.98	0.93	4	9/8/22 1:27	BRF
Chloromethane	0.57	0.40	0.16		1.2	0.83	0.33	4	9/8/22 1:27	BRF
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	9/8/22 1:27	BRF
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	9/8/22 1:27	BRF
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	9/8/22 1:27	BRF
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	9/8/22 1:27	BRF
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	9/8/22 1:27	BRF
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	9/8/22 1:27	BRF
Dichlorodifluoromethane (Freon 12)	0.83	0.20	0.20		4.1	0.99	0.97	4	9/8/22 1:27	BRF
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	9/8/22 1:27	BRF
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	9/8/22 1:27	BRF
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	9/8/22 1:27	BRF
cis-1,2-Dichloroethylene	36	0.20	0.15		140	0.79	0.58	4	9/8/22 1:27	BRF
trans-1,2-Dichloroethylene	0.41	0.20	0.16		1.6	0.79	0.62	4	9/8/22 1:27	BRF
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	9/8/22 1:27	BRF
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	9/8/22 1:27	BRF
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	9/8/22 1:27	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	9/8/22 1:27	BRF
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	9/8/22 1:27	BRF
Ethanol	8.8	8.0	3.5	L-03	17	15	6.6	4	9/8/22 1:27	BRF
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	9/8/22 1:27	BRF
Ethylbenzene	0.14	0.20	0.12	J	0.59	0.87	0.51	4	9/8/22 1:27	BRF
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	9/8/22 1:27	BRF
Heptane	0.26	0.20	0.13		1.1	0.82	0.52	4	9/8/22 1:27	BRF
Hexachlorobutadiene	ND	0.20	0.16	V-05	ND	2.1	1.8	4	9/8/22 1:27	BRF
Hexane	ND	8.0	1.0		ND	28	3.7	4	9/8/22 1:27	BRF
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	9/8/22 1:27	BRF
Isopropanol	1.4	8.0	1.4	J, L-03	3.4	20	3.4	4	9/8/22 1:27	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	9/8/22 1:27	BRF
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	9/8/22 1:27	BRF
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	9/8/22 1:27	BRF
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	9/8/22 1:27	BRF
Propene	3.0	8.0	1.8	J	5.1	14	3.0	4	9/8/22 1:27	BRF
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	9/8/22 1:27	BRF
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	9/8/22 1:27	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/6/2022
Field Sample #: Effluent Duplicate
Sample ID: 22I0213-03
Sample Matrix: Soil Gas
Sampled: 9/2/2022 08:56

Sample Description/Location:
Sub Description/Location:
Canister ID: 2874
Canister Size: 1 liter
Flow Controller ID: 4434
Sample Type: 20 min

Work Order: 22I0213
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	640	3.0	2.3		4300	20	16	60	9/6/22 22:15	BRF
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	9/8/22 1:27	BRF
Toluene	0.85	0.20	0.11		3.2	0.75	0.43	4	9/8/22 1:27	BRF
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	9/8/22 1:27	BRF
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	9/8/22 1:27	BRF
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	9/8/22 1:27	BRF
Trichloroethylene	20	0.20	0.13		110	1.1	0.72	4	9/8/22 1:27	BRF
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	9/8/22 1:27	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	9/8/22 1:27	BRF
1,2,4-Trimethylbenzene	0.17	0.20	0.088	J	0.85	0.98	0.43	4	9/8/22 1:27	BRF
1,3,5-Trimethylbenzene	0.15	0.20	0.11	J	0.73	0.98	0.52	4	9/8/22 1:27	BRF
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	9/8/22 1:27	BRF
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	9/8/22 1:27	BRF
m&p-Xylene	0.50	0.40	0.22		2.2	1.7	0.97	4	9/8/22 1:27	BRF
o-Xylene	0.22	0.20	0.10		0.96	0.87	0.44	4	9/8/22 1:27	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	91.3	70-130	9/6/22 22:15
4-Bromofluorobenzene (1)	88.4	70-130	9/8/22 1:27

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22I0213-01 [Influent]	B316774	1.5	1	N/A	1000	400	10	09/06/22
22I0213-02RE1 [Effluent]	B316774	1.5	1	N/A	1000	400	10	09/06/22
22I0213-03RE1 [Effluent Duplicate]	B316774	1.5	1	N/A	1000	400	10	09/06/22

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22I0213-01RE1 [Influent]	B316776	1.5	200	5	1000	400	200	09/07/22
22I0213-02 [Effluent]	B316776	1.5	1	N/A	1000	400	150	09/07/22
22I0213-03 [Effluent Duplicate]	B316776	1.5	1	N/A	1000	400	150	09/07/22

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B316774 - TO-15 Prep											
Blank (B316774-BLK1)					Prepared & Analyzed: 09/06/22						
Acetone	ND	1.4									L-03, V-05
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.35									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.070									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									L-03
Ethyl Acetate	ND	0.35									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	1.4									L-03
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.35									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Propene	ND	1.4									
Styrene	ND	0.035									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B316774 - TO-15 Prep												
Blank (B316774-BLK1)					Prepared & Analyzed: 09/06/22							
1,1,2,2-Tetrachloroethane	ND	0.035										
Tetrachloroethylene	ND	0.035										
Tetrahydrofuran	ND	0.35										
Toluene	ND	0.035										
1,2,4-Trichlorobenzene	ND	0.035										
1,1,1-Trichloroethane	ND	0.035										
1,1,2-Trichloroethane	ND	0.035										
Trichloroethylene	ND	0.035										
Trichlorofluoromethane (Freon 11)	ND	0.14										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14										
1,2,4-Trimethylbenzene	ND	0.035										
1,3,5-Trimethylbenzene	ND	0.035										
Vinyl Acetate	ND	0.70										
Vinyl Chloride	ND	0.035										
m&p-Xylene	ND	0.070										
o-Xylene	ND	0.035										
Surrogate: 4-Bromofluorobenzene (1)	*7.45*				*8.00*		*93.1*		*70-130*			
LCS (B316774-BS1)					Prepared & Analyzed: 09/06/22							
Acetone	3.27				5.00		**65.3**	*	70-130			L-03, V-05
Benzene	4.95				5.00		98.9		70-130			
Benzyl chloride	4.91				5.00		98.3		70-130			
Bromodichloromethane	4.88				5.00		97.6		70-130			
Bromoform	5.14				5.00		103		70-130			
Bromomethane	4.86				5.00		97.1		70-130			
1,3-Butadiene	4.20				5.00		84.0		70-130			
2-Butanone (MEK)	5.04				5.00		101		70-130			
Carbon Disulfide	5.41				5.00		108		70-130			
Carbon Tetrachloride	5.03				5.00		101		70-130			
Chlorobenzene	5.01				5.00		100		70-130			
Chloroethane	4.32				5.00		86.5		70-130			
Chloroform	5.26				5.00		105		70-130			
Chloromethane	4.56				5.00		91.2		70-130			
Cyclohexane	4.91				5.00		98.2		70-130			
Dibromochloromethane	5.17				5.00		103		70-130			
1,2-Dibromoethane (EDB)	5.03				5.00		101		70-130			
1,2-Dichlorobenzene	4.92				5.00		98.4		70-130			
1,3-Dichlorobenzene	5.04				5.00		101		70-130			
1,4-Dichlorobenzene	4.99				5.00		99.9		70-130			
Dichlorodifluoromethane (Freon 12)	4.94				5.00		98.8		70-130			
1,1-Dichloroethane	5.17				5.00		103		70-130			
1,2-Dichloroethane	4.93				5.00		98.6		70-130			
1,1-Dichloroethylene	4.86				5.00		97.2		70-130			
cis-1,2-Dichloroethylene	5.18				5.00		104		70-130			
trans-1,2-Dichloroethylene	5.20				5.00		104		70-130			
1,2-Dichloropropane	4.85				5.00		97.0		70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B316774 - TO-15 Prep												
LCS (B316774-BS1)					Prepared & Analyzed: 09/06/22							
cis-1,3-Dichloropropene	4.73				5.00		94.6		70-130			
trans-1,3-Dichloropropene	4.85				5.00		97.0		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.09				5.00		81.9		70-130			
1,4-Dioxane	4.63				5.00		92.6		70-130			
Ethanol	3.14				5.00		**62.8**	*	70-130			L-03
Ethyl Acetate	5.27				5.00		105		70-130			
Ethylbenzene	4.91				5.00		98.2		70-130			
4-Ethyltoluene	5.17				5.00		103		70-130			
Heptane	4.78				5.00		95.5		70-130			
Hexachlorobutadiene	3.88				5.00		77.5		70-130			
Hexane	4.70				5.00		94.1		70-130			
2-Hexanone (MBK)	4.28				5.00		85.7		70-130			
Isopropanol	3.09				5.00		**61.9**	*	70-130			L-03
Methyl tert-Butyl Ether (MTBE)	5.11				5.00		102		70-130			
Methylene Chloride	4.30				5.00		86.1		70-130			
4-Methyl-2-pentanone (MIBK)	4.64				5.00		92.8		70-130			
Naphthalene	4.88				5.00		97.6		70-130			
Propene	4.32				5.00		86.3		70-130			
Styrene	5.12				5.00		102		70-130			
1,1,2,2-Tetrachloroethane	4.89				5.00		97.8		70-130			
Tetrachloroethylene	4.58				5.00		91.5		70-130			
Tetrahydrofuran	4.93				5.00		98.6		70-130			
Toluene	4.84				5.00		96.9		70-130			
1,2,4-Trichlorobenzene	4.18				5.00		83.5		70-130			
1,1,1-Trichloroethane	4.65				5.00		92.9		70-130			
1,1,2-Trichloroethane	5.01				5.00		100		70-130			
Trichloroethylene	4.84				5.00		96.7		70-130			
Trichlorofluoromethane (Freon 11)	4.63				5.00		92.5		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.30				5.00		106		70-130			
1,2,4-Trimethylbenzene	5.02				5.00		100		70-130			
1,3,5-Trimethylbenzene	5.08				5.00		102		70-130			
Vinyl Acetate	4.46				5.00		89.3		70-130			
Vinyl Chloride	4.34				5.00		86.9		70-130			
m&p-Xylene	9.65				10.0		96.5		70-130			
o-Xylene	4.90				5.00		98.0		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*7.57*				*8.00*		*94.7*		*70-130*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B316776 - TO-15 Prep											
Blank (B316776-BLK1)					Prepared & Analyzed: 09/07/22						
Acetone	ND	1.4									L-03, V-05
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.35									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.070									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									L-03
Ethyl Acetate	ND	0.35									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									V-05
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	1.4									L-03
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.35									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Propene	ND	1.4									
Styrene	ND	0.035									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B316776 - TO-15 Prep												
Blank (B316776-BLK1)					Prepared & Analyzed: 09/07/22							
1,1,2,2-Tetrachloroethane	ND	0.035										
Tetrachloroethylene	ND	0.035										
Tetrahydrofuran	ND	0.35										
Toluene	ND	0.035										
1,2,4-Trichlorobenzene	ND	0.035										
1,1,1-Trichloroethane	ND	0.035										
1,1,2-Trichloroethane	ND	0.035										
Trichloroethylene	ND	0.035										
Trichlorofluoromethane (Freon 11)	ND	0.14										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14										
1,2,4-Trimethylbenzene	ND	0.035										
1,3,5-Trimethylbenzene	ND	0.035										
Vinyl Acetate	ND	0.70										
Vinyl Chloride	ND	0.035										
m&p-Xylene	ND	0.070										
o-Xylene	ND	0.035										
Surrogate: 4-Bromofluorobenzene (1)	*7.34*				*8.00*		*91.7*		*70-130*			
LCS (B316776-BS1)					Prepared & Analyzed: 09/07/22							
Acetone	3.41				5.00		**68.2**	*	70-130			L-03, V-05
Benzene	5.02				5.00		100		70-130			
Benzyl chloride	5.08				5.00		102		70-130			
Bromodichloromethane	5.08				5.00		102		70-130			
Bromoform	5.22				5.00		104		70-130			
Bromomethane	5.07				5.00		101		70-130			
1,3-Butadiene	4.36				5.00		87.1		70-130			
2-Butanone (MEK)	5.01				5.00		100		70-130			
Carbon Disulfide	5.36				5.00		107		70-130			
Carbon Tetrachloride	5.20				5.00		104		70-130			
Chlorobenzene	5.04				5.00		101		70-130			
Chloroethane	4.56				5.00		91.1		70-130			
Chloroform	5.09				5.00		102		70-130			
Chloromethane	4.78				5.00		95.5		70-130			
Cyclohexane	4.90				5.00		98.0		70-130			
Dibromochloromethane	5.34				5.00		107		70-130			
1,2-Dibromoethane (EDB)	5.12				5.00		102		70-130			
1,2-Dichlorobenzene	5.02				5.00		100		70-130			
1,3-Dichlorobenzene	5.13				5.00		103		70-130			
1,4-Dichlorobenzene	5.03				5.00		101		70-130			
Dichlorodifluoromethane (Freon 12)	5.07				5.00		101		70-130			
1,1-Dichloroethane	5.12				5.00		102		70-130			
1,2-Dichloroethane	4.79				5.00		95.8		70-130			
1,1-Dichloroethylene	4.92				5.00		98.5		70-130			
cis-1,2-Dichloroethylene	5.08				5.00		102		70-130			
trans-1,2-Dichloroethylene	5.12				5.00		102		70-130			
1,2-Dichloropropane	5.05				5.00		101		70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B316776 - TO-15 Prep												
LCS (B316776-BS1)					Prepared & Analyzed: 09/07/22							
cis-1,3-Dichloropropene	4.81				5.00		96.1		70-130			
trans-1,3-Dichloropropene	4.93				5.00		98.6		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.23				5.00		84.6		70-130			
1,4-Dioxane	4.66				5.00		93.2		70-130			
Ethanol	3.24				5.00		**64.8**	*	70-130			L-03
Ethyl Acetate	5.11				5.00		102		70-130			
Ethylbenzene	4.99				5.00		99.8		70-130			
4-Ethyltoluene	5.27				5.00		105		70-130			
Heptane	4.96				5.00		99.1		70-130			
Hexachlorobutadiene	3.88				5.00		77.5		70-130			V-05
Hexane	4.73				5.00		94.6		70-130			
2-Hexanone (MBK)	4.60				5.00		92.0		70-130			
Isopropanol	3.20				5.00		**63.9**	*	70-130			L-03
Methyl tert-Butyl Ether (MTBE)	4.87				5.00		97.4		70-130			
Methylene Chloride	4.42				5.00		88.3		70-130			
4-Methyl-2-pentanone (MIBK)	4.93				5.00		98.6		70-130			
Naphthalene	5.04				5.00		101		70-130			
Propene	4.34				5.00		86.8		70-130			
Styrene	5.12				5.00		102		70-130			
1,1,2,2-Tetrachloroethane	5.19				5.00		104		70-130			
Tetrachloroethylene	4.45				5.00		89.0		70-130			
Tetrahydrofuran	4.67				5.00		93.5		70-130			
Toluene	4.89				5.00		97.7		70-130			
1,2,4-Trichlorobenzene	4.20				5.00		84.0		70-130			
1,1,1-Trichloroethane	4.82				5.00		96.5		70-130			
1,1,2-Trichloroethane	5.17				5.00		103		70-130			
Trichloroethylene	4.95				5.00		99.1		70-130			
Trichlorofluoromethane (Freon 11)	4.79				5.00		95.8		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.22				5.00		104		70-130			
1,2,4-Trimethylbenzene	5.12				5.00		102		70-130			
1,3,5-Trimethylbenzene	5.19				5.00		104		70-130			
Vinyl Acetate	4.40				5.00		88.0		70-130			
Vinyl Chloride	4.59				5.00		91.8		70-130			
m&p-Xylene	9.86				10.0		98.6		70-130			
o-Xylene	5.04				5.00		101		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*7.40*				*8.00*		*92.5*		*70-130*			

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Note: Blank Subtraction is not performed unless otherwise noted

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

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ANALYST

RLF	Rebecca Faust
RJM	Raymond J. McCarthy
STATION	PDF Management Station
BRF	Brittany R. Fisk

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S074615-ICV1)			Lab File ID: G22A210019.D			Analyzed: 07/30/22 00:36			
Bromochloromethane (1)	1239190	8.307	1239190	8.307	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2932256	10.081	2932256	10.081	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2672882	14.452	2672882	14.452	100	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S076300-CCV1)			Lab File ID: G22A249004.D			Analyzed: 09/06/22 09:30			
Bromochloromethane (1)	1231040	8.307	1231040	8.307	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3129973	10.081	3129973	10.081	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2796487	14.446	2796487	14.446	100	60 - 140	0.0000	+/-0.50	
LCS (B316774-BS1)			Lab File ID: G22A249005.D			Analyzed: 09/06/22 10:10			
Bromochloromethane (1)	1241831	8.313	1231040	8.307	101	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3175098	10.081	3129973	10.081	101	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2927417	14.452	2796487	14.446	105	60 - 140	0.0060	+/-0.50	
Blank (B316774-BLK1)			Lab File ID: G22A249010.D			Analyzed: 09/06/22 13:38			
Bromochloromethane (1)	1211364	8.307	1231040	8.307	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3105203	10.081	3129973	10.081	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2824816	14.446	2796487	14.446	101	60 - 140	0.0000	+/-0.50	
Effluent (22I0213-02RE1)			Lab File ID: G22A249017.D			Analyzed: 09/06/22 21:36			
Bromochloromethane (1)	1219819	8.313	1231040	8.307	99	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3180260	10.081	3129973	10.081	102	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2895330	14.446	2796487	14.446	104	60 - 140	0.0000	+/-0.50	
Effluent Duplicate (22I0213-03RE1)			Lab File ID: G22A249018.D			Analyzed: 09/06/22 22:15			
Bromochloromethane (1)	1221952	8.313	1231040	8.307	99	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3125342	10.081	3129973	10.081	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2843016	14.446	2796487	14.446	102	60 - 140	0.0000	+/-0.50	
Influent (22I0213-01)			Lab File ID: G22A249019.D			Analyzed: 09/06/22 22:55			
Bromochloromethane (1)	1226484	8.313	1231040	8.307	100	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3151616	10.081	3129973	10.081	101	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2860431	14.446	2796487	14.446	102	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S076302-CCV1)			Lab File ID: G22A250004.D			Analyzed: 09/07/22 09:50			
Bromochloromethane (1)	1097746	8.313	1097746	8.313	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2597648	10.081	2597648	10.081	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2352940	14.446	2352940	14.446	100	60 - 140	0.0000	+/-0.50	
LCS (B316776-BS1)			Lab File ID: G22A250005.D			Analyzed: 09/07/22 10:30			
Bromochloromethane (1)	1111447	8.307	1097746	8.313	101	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2649955	10.081	2597648	10.081	102	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2424734	14.446	2352940	14.446	103	60 - 140	0.0000	+/-0.50	
Blank (B316776-BLK1)			Lab File ID: G22A250008.D			Analyzed: 09/07/22 12:37			
Bromochloromethane (1)	1170332	8.313	1097746	8.313	107	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3078078	10.087	2597648	10.081	118	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2808242	14.452	2352940	14.446	119	60 - 140	0.0060	+/-0.50	
Effluent (22I0213-02)			Lab File ID: G22A250025.D			Analyzed: 09/08/22 00:47			
Bromochloromethane (1)	1220800	8.313	1097746	8.313	111	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3244481	10.081	2597648	10.081	125	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2984572	14.446	2352940	14.446	127	60 - 140	0.0000	+/-0.50	
Effluent Duplicate (22I0213-03)			Lab File ID: G22A250026.D			Analyzed: 09/08/22 01:27			
Bromochloromethane (1)	1068326	8.307	1097746	8.313	97	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2519833	10.081	2597648	10.081	97	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2332244	14.446	2352940	14.446	99	60 - 140	0.0000	+/-0.50	
Influent (22I0213-01RE1)			Lab File ID: G22A250027.D			Analyzed: 09/08/22 02:08			
Bromochloromethane (1)	1110590	8.313	1097746	8.313	101	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2714225	10.081	2597648	10.081	104	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2484271	14.446	2352940	14.446	106	60 - 140	0.0000	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S076300-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	3.28	1.270847	0.8348726		-34.3	30 *
Benzene	A	5.00	4.70	0.8666219	0.8149341		-6.0	30
Benzyl chloride	A	5.00	4.76	1.036272	0.9876328		-4.7	30
Bromodichloromethane	A	5.00	4.69	0.6411417	0.6018894		-6.1	30
Bromoform	A	5.00	4.96	0.5234219	0.5191456		-0.8	30
Bromomethane	A	5.00	4.62	0.485155	0.4482181		-7.6	30
1,3-Butadiene	A	5.00	4.23	0.504079	0.4260099		-15.5	30
2-Butanone (MEK)	A	5.00	4.78	1.418188	1.356747		-4.3	30
Carbon Disulfide	A	5.00	4.95	1.791482	1.773036		-1.0	30
Carbon Tetrachloride	A	5.00	4.82	0.4973133	0.4795661		-3.6	30
Chlorobenzene	A	5.00	4.98	0.7954194	0.7916		-0.5	30
Chloroethane	A	5.00	4.08	0.3099033	0.2528126		-18.4	30
Chloroform	A	5.00	5.01	1.429247	1.432906		0.3	30
Chloromethane	A	5.00	4.51	0.5844671	0.5269899		-9.8	30
Cyclohexane	A	5.00	4.62	0.3597965	0.3323832		-7.6	30
Dibromochloromethane	A	5.00	5.10	0.5661293	0.577833		2.1	30
1,2-Dibromoethane (EDB)	A	5.00	5.03	0.5690324	0.5721115		0.5	30
1,2-Dichlorobenzene	A	5.00	4.76	0.6570067	0.6251604		-4.8	30
1,3-Dichlorobenzene	A	5.00	4.93	0.6942366	0.6851099		-1.3	30
1,4-Dichlorobenzene	A	5.00	4.81	0.6922274	0.6654629		-3.9	30
Dichlorodifluoromethane (Freon 12)	A	5.00	4.78	1.528965	1.462286		-4.4	30
1,1-Dichloroethane	A	5.00	4.90	1.234625	1.209422		-2.0	30
1,2-Dichloroethane	A	5.00	4.72	0.9424287	0.888699		-5.7	30
1,1-Dichloroethylene	A	5.00	4.62	1.114581	1.030052		-7.6	30
cis-1,2-Dichloroethylene	A	5.00	4.94	0.9094763	0.898183		-1.2	30
trans-1,2-Dichloroethylene	A	5.00	4.93	0.9334765	0.9211048		-1.3	30
1,2-Dichloropropane	A	5.00	4.59	0.3388266	0.3111623		-8.2	30
cis-1,3-Dichloropropene	A	5.00	4.68	0.5067784	0.4738239		-6.5	30
trans-1,3-Dichloropropene	A	5.00	4.64	0.4548172	0.4224742		-7.1	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	4.26	1.576627	1.344637		-14.7	30
1,4-Dioxane	A	5.00	4.26	0.1875159	0.1595745		-14.9	30
Ethanol	A	5.00	3.70	0.2478809	0.1833481		-26.0	30
Ethyl Acetate	A	5.00	4.92	0.2145366	0.2109267		-1.7	30
Ethylbenzene	A	5.00	4.92	1.444568	1.420462		-1.7	30
4-Ethyltoluene	A	5.00	5.07	1.426567	1.446908		1.4	30
Heptane	A	5.00	4.62	0.2788992	0.2574954		-7.7	30
Hexachlorobutadiene	A	5.00	4.02	0.4996279	0.4014454		-19.7	30
Hexane	A	5.00	4.50	0.8743096	0.7986106		-10.0	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S076300-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	4.33	0.8053556	0.6977823		-13.4	30
Isopropanol	A	5.00	3.60	1.404216	1.012176		-27.9	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.90	1.810187	1.772623		-2.1	30
Methylene Chloride	A	5.00	4.16	0.8993197	0.7476696		-16.9	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.55	0.7423771	0.6750433		-9.1	30
Naphthalene	A	5.00	4.78	1.007165	0.9627954		-4.4	30
Propene	A	5.00	4.37	0.5802045	0.5068742		-12.6	30
Styrene	A	5.00	5.09	0.7943381	0.8081299		1.7	30
1,1,2,2-Tetrachloroethane	A	5.00	4.82	0.8847882	0.8522842		-3.7	30
Tetrachloroethylene	A	5.00	4.51	0.4718416	0.4254624		-9.8	30
Tetrahydrofuran	A	5.00	4.81	0.3098736	0.2981115		-3.8	30
Toluene	A	5.00	4.80	1.138478	1.092954		-4.0	30
1,2,4-Trichlorobenzene	A	5.00	4.14	0.51272	0.42404		-17.3	30
1,1,1-Trichloroethane	A	5.00	4.66	0.5622378	0.5239652		-6.8	30
1,1,2-Trichloroethane	A	5.00	4.91	0.3802225	0.3736602		-1.7	30
Trichloroethylene	A	5.00	4.64	0.3795079	0.3522929		-7.2	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.40	1.231325	1.084796		-11.9	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.01	1.259414	1.2612		0.1	30
1,2,4-Trimethylbenzene	A	5.00	4.97	1.171584	1.163685		-0.7	30
1,3,5-Trimethylbenzene	A	5.00	5.03	1.17899	1.186954		0.7	30
Vinyl Acetate	A	5.00	4.42	1.889793	1.67014		-11.6	30
Vinyl Chloride	A	5.00	4.25	0.665387	0.5653574		-15.0	30
m&p-Xylene	A	10.0	9.63	1.150879	1.10857		-3.7	30
o-Xylene	A	5.00	4.85	1.151384	1.116238		-3.1	30

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

* Values outside of QC limits

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CONTINUING CALIBRATION CHECK

EPA TO-15

S076302-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	3.36	1.270847	0.8545598		-32.8	30 *
Benzene	A	5.00	4.72	0.8666219	0.817741		-5.6	30
Benzyl chloride	A	5.00	4.49	1.036272	0.9307403		-10.2	30
Bromodichloromethane	A	5.00	4.80	0.6411417	0.615324		-4.0	30
Bromoform	A	5.00	4.79	0.5234219	0.5018253		-4.1	30
Bromomethane	A	5.00	4.80	0.485155	0.4661523		-3.9	30
1,3-Butadiene	A	5.00	4.28	0.504079	0.4316918		-14.4	30
2-Butanone (MEK)	A	5.00	4.67	1.418188	1.325637		-6.5	30
Carbon Disulfide	A	5.00	4.81	1.791482	1.72322		-3.8	30
Carbon Tetrachloride	A	5.00	4.90	0.4973133	0.4878783		-1.9	30
Chlorobenzene	A	5.00	4.82	0.7954194	0.7661632		-3.7	30
Chloroethane	A	5.00	4.15	0.3099033	0.2573914		-16.9	30
Chloroform	A	5.00	4.79	1.429247	1.36922		-4.2	30
Chloromethane	A	5.00	4.66	0.5844671	0.5453415		-6.7	30
Cyclohexane	A	5.00	4.55	0.3597965	0.3276866		-8.9	30
Dibromochloromethane	A	5.00	5.04	0.5661293	0.5702476		0.7	30
1,2-Dibromoethane (EDB)	A	5.00	4.94	0.5690324	0.5619298		-1.2	30
1,2-Dichlorobenzene	A	5.00	4.46	0.6570067	0.5859298		-10.8	30
1,3-Dichlorobenzene	A	5.00	4.62	0.6942366	0.6417524		-7.6	30
1,4-Dichlorobenzene	A	5.00	4.50	0.6922274	0.6225804		-10.1	30
Dichlorodifluoromethane (Freon 12)	A	5.00	4.62	1.528965	1.412937		-7.6	30
1,1-Dichloroethane	A	5.00	4.69	1.234625	1.157305		-6.3	30
1,2-Dichloroethane	A	5.00	4.49	0.9424287	0.8463903		-10.2	30
1,1-Dichloroethylene	A	5.00	4.56	1.114581	1.016279		-8.8	30
cis-1,2-Dichloroethylene	A	5.00	4.73	0.9094763	0.8609074		-5.3	30
trans-1,2-Dichloroethylene	A	5.00	4.75	0.9334765	0.8873237		-4.9	30
1,2-Dichloropropane	A	5.00	4.69	0.3388266	0.3177668		-6.2	30
cis-1,3-Dichloropropene	A	5.00	4.67	0.5067784	0.4731622		-6.6	30
trans-1,3-Dichloropropene	A	5.00	4.65	0.4548172	0.4227264		-7.1	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	4.38	1.576627	1.381375		-12.4	30
1,4-Dioxane	A	5.00	4.24	0.1875159	0.1589001		-15.3	30
Ethanol	A	5.00	3.87	0.2478809	0.1918651		-22.6	30
Ethyl Acetate	A	5.00	4.76	0.2145366	0.2040866		-4.9	30
Ethylbenzene	A	5.00	4.75	1.444568	1.372681		-5.0	30
4-Ethyltoluene	A	5.00	4.85	1.426567	1.383899		-3.0	30
Heptane	A	5.00	4.70	0.2788992	0.261941		-6.1	30
Hexachlorobutadiene	A	5.00	3.50	0.4996279	0.3495596		-30.0	30
Hexane	A	5.00	4.36	0.8743096	0.7736332		-12.8	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S076302-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	4.42	0.8053556	0.71245		-11.5	30
Isopropanol	A	5.00	3.71	1.404216	1.041294		-25.8	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.58	1.810187	1.656491		-8.5	30
Methylene Chloride	A	5.00	4.14	0.8993197	0.7452507		-17.1	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.76	0.7423771	0.7063023		-4.9	30
Naphthalene	A	5.00	4.37	1.007165	0.8807086		-12.6	30
Propene	A	5.00	4.25	0.5802045	0.4935466		-14.9	30
Styrene	A	5.00	4.82	0.7943381	0.7661781		-3.5	30
1,1,2,2-Tetrachloroethane	A	5.00	4.85	0.8847882	0.8575627		-3.1	30
Tetrachloroethylene	A	5.00	4.25	0.4718416	0.400661		-15.1	30
Tetrahydrofuran	A	5.00	4.45	0.3098736	0.2757315		-11.0	30
Toluene	A	5.00	4.66	1.138478	1.06161		-6.8	30
1,2,4-Trichlorobenzene	A	5.00	3.69	0.51272	0.3785099		-26.2	30
1,1,1-Trichloroethane	A	5.00	4.70	0.5622378	0.5279317		-6.1	30
1,1,2-Trichloroethane	A	5.00	4.86	0.3802225	0.3694789		-2.8	30
Trichloroethylene	A	5.00	4.67	0.3795079	0.3545657		-6.6	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.50	1.231325	1.107978		-10.0	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.89	1.259414	1.232826		-2.1	30
1,2,4-Trimethylbenzene	A	5.00	4.70	1.171584	1.101203		-6.0	30
1,3,5-Trimethylbenzene	A	5.00	4.82	1.17899	1.136013		-3.6	30
Vinyl Acetate	A	5.00	4.37	1.889793	1.650041		-12.7	30
Vinyl Chloride	A	5.00	4.30	0.665387	0.5727183		-13.9	30
m&p-Xylene	A	10.0	9.32	1.150879	1.072384		-6.8	30
o-Xylene	A	5.00	4.74	1.151384	1.091662		-5.2	30

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

* Values outside of QC limits

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Acetone	AIHA,NY,ME,NH
Benzene	AIHA,FL,NJ,NY,ME,NH,VA
Benzyl chloride	AIHA,FL,NJ,NY,ME,NH,VA
Bromodichloromethane	AIHA,NJ,NY,ME,NH,VA
Bromoform	AIHA,NJ,NY,ME,NH,VA
Bromomethane	AIHA,FL,NJ,NY,ME,NH
1,3-Butadiene	AIHA,NJ,NY,ME,NH,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,ME,NH,VA
Carbon Disulfide	AIHA,NJ,NY,ME,NH,VA
Carbon Tetrachloride	AIHA,FL,NJ,NY,ME,NH,VA
Chlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Chloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Chloroform	AIHA,FL,NJ,NY,ME,NH,VA
Chloromethane	AIHA,FL,NJ,NY,ME,NH,VA
Cyclohexane	AIHA,NJ,NY,ME,NH,VA
Dibromochloromethane	AIHA,NY,ME,NH
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME,NH
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	AIHA,NJ,NY,ME,NH
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME,NH
1,1-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,ME,NH,VA
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	AIHA,NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA,NJ
Heptane	AIHA,NJ,NY,ME,NH,VA
Hexachlorobutadiene	AIHA,NJ,NY,ME,NH,VA
Hexane	AIHA,FL,NJ,NY,ME,NH,VA
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,ME,NH,VA
Methylene Chloride	AIHA,FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Tetrachloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Tetrahydrofuran	AIHA
Toluene	AIHA,FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	AIHA,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Trichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	AIHA,NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	AIHA,NJ,NY,ME,NH
1,3,5-Trimethylbenzene	AIHA,NJ,NY,ME,NH
Vinyl Acetate	AIHA,FL,NJ,NY,ME,NH,VA
Vinyl Chloride	AIHA,FL,NJ,NY,ME,NH,VA
m&p-Xylene	AIHA,FL,NJ,NY,ME,NH,VA
o-Xylene	AIHA,FL,NJ,NY,ME,NH,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2023
NC-DW	North Carolina Department of Health and Human Services	25703	07/31/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

22I0213

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DOC #378 REV3_11232021

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Company Name: NYS DEC DER
Address: 625 Broadway Albany NY 12233
Phone: (518) 402-9513
Project Name: Stabs Textile
Project Location: 935 E. Main St. Rochester NY.
Project Number: 828660 callout ID
Project Manager: Jasmine Stefansky
Pace Quote Name/Number:
Invoice Recipient: Jasmine.Stefansky@dec.nygov
Sampled By: Ryan Gross

Requested Turnaround Time: 7-Day ☑ 10-Day ☐
Due Date:

Rush-Approval Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐

Data Delivery: Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Lab Use: Pace Work Order#	Client Use: Client Sample ID / Description	Collection Data: Beginning Date/Time	Ending Date/Time	Duration: Total Minutes Sampled	Flow Rate (☐ m³/min ☑ L/min)	Matrix: Code	Volume (☑ Liters ☐ m³)	TO 14/15 Standard Low Level				" Hg Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
01	Influent	9/2/22 8:26	851	25		SG		X				-30	-4	3.5	2869	4427
02	Effluent	9/2/22	856	24		SG		X				-30	-4	3.4	2868	4440
03	Effluent Duplicate.	9/2/22	856	24		SG		X				-30	-4	3.5	2874	4434

Comments: Email Results to Client and cc dann@nwcontracting.com. Jasmine.Stefansky@dec.ny.gov.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 9/2/22
Received by: (signature)	Date/Time: 9/6/22 1157
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements: MA ☐ MA MCP Required; MCP Certification Form Required; ☐ CT RCP Required; CT RCP Certification Form Required; ☐ Other; Other:

Special Requirements

Pace Analytical®

NELAC and AIHA-LAP, LLC Accredited

Project Entity: ☐ Government ☐ Municipality ☐ MWRA ☐ WRTA ☐ Federal ☐ 21 J ☐ School ☐ City ☐ Brownfield ☐ MBTA

Other: ☐ Chromatogram ☐ AIHA-LAP,LLC

PCB ONLY: ☐ Soxhlet ☐ Non Soxhlet

[redacted]

FedEx® Tracking

DELIVERED

Tuesday

9/6/2022 at 11:57 am

Signed for by: APIENOWKI

Obtain Proof of delivery

How was your delivery?

DELIVERY STATUS

Delivered

Get Status Updates

TRACKING ID

777772169519

FROM
ALDEN, NY US

PACKAGE RECEIVED BY FEDEX
FARMINGTON, NY
9/2/2022 5:00 PM

IN TRANSIT
WINDSOR, CT
9/6/2022 3:17 AM

OUT FOR DELIVERY
WINDSOR, CT
9/6/2022 3:25 AM

DELIVERED
East Longmeadow, MA US

DELIVERED
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Pace PEOPLE ADVANCING SCIENCE

Doc# 278 Rev 7 July 2022

Air Media Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client DER

Received By RLF Date 9/6/22 Time 1157

How Were the samples received? In Cooler ___ On Ice ___ No Ice ___ In Box T Ambient ___ Melted Ice ___

Were samples within Tempurature Compliance? Within 2-6°C NA By Gun # ___ Actual Temp - ___ By Blank # ___ Actual Temp - ___

Was Custody Seal In tact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there any loose caps/valves on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC Include all Pertinent Information? Client? T Analysis? T Sampler Name? T Project? T ID's? T Collection Dates/Times? T

Are Sample Labels filled out and legible? T

Are there Rushes? F Who was notified? ___

Samples are received within holding time? T

Proper Media Used? T Individually Certified Cans? F

Are there Trip Blanks? F Is there enough Volume? T

Containers:	#	Size	Regulator	Duration	Accessories:			
Summa Cans	3	1L	3	20min	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/TO-11s					Tedlar			

Can #'s					Reg #'s				
28169					4427				
28168					4440				
2874					4434				
Unused Media					**Pufs/TO-17's**				

Comments:

Air Sampling Media Certificate of Analysis

Date Analyzed: 8/2/2022 **Batch #:** J22A214020.D

Certification Type: *Batch Certified* ☐ *Individual Certified* ☑

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2869

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: BRF 9/8/2022

Air Sampling Media Certificate of Analysis

Date Analyzed: 8/2/2022 **Batch #:** J22A214012.D

Certification Type: *Batch Certified* ☐ *Individual Certified* ☑

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2868

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: BRF 9/8/2022

Air Sampling Media Certificate of Analysis

Date Analyzed: 8/2/2022 **Batch #:** J22A214017.D

Certification Type: *Batch Certified* ☐ *Individual Certified* ☑

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2874

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: BRF 9/8/2022

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

October 5, 2022

Robert Strang
NYDEC_NW Contracting - Alden, NY
3553 Crittenden Road
Alden, NY 14004

Project Location: 935 E. Main St., Rochester, NY
Client Job Number:
Project Number: 828160
Laboratory Work Order Number: 22I1802

Enclosed are results of analyses for samples as received by the laboratory on September 28, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

QA Officer
Katherine Allen

Laboratory Manager
Daren Damboragian

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

NYDEC_NW Contracting - Alden, NY
3553 Crittenden Road
Alden, NY 14004
ATTN: Robert Strang

REPORT DATE: 10/5/2022

PURCHASE ORDER NUMBER: 142737

PROJECT NUMBER: 828160

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22I1802

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

PROJECT LOCATION: 935 E. Main St., Rochester, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SVE 1	22I1802-01	Soil Gas		EPA TO-15	
SVE 2	22I1802-02	Soil Gas		EPA TO-15	
SVE 3	22I1802-03	Soil Gas		EPA TO-15	
SVE 4	22I1802-04	Soil Gas		EPA TO-15	
SVE 5	22I1802-05	Soil Gas		EPA TO-15	
SVE 6	22I1802-06	Soil Gas		EPA TO-15	
SVE 7	22I1802-07	Soil Gas		EPA TO-15	
SVE 8	22I1802-08	Soil Gas		EPA TO-15	
SVE 9	22I1802-09	Soil Gas		EPA TO-15	
SVE 10	22I1802-10	Soil Gas		EPA TO-15	
SVE 11	22I1802-11	Soil Gas		EPA TO-15	
SVE 12	22I1802-12	Soil Gas		EPA TO-15	
SVE 13	22I1802-13	Soil Gas		EPA TO-15	
SVE 14	22I1802-14	Soil Gas		EPA TO-15	
SVE 15	22I1802-15	Soil Gas		EPA TO-15	
SVE 15 Duplicate	22I1802-16	Soil Gas		EPA TO-15	
SVE 16	22I1802-17	Soil Gas		EPA TO-15	
SVE 17	22I1802-18	Soil Gas		EPA TO-15	
SVE 18	22I1802-19	Soil Gas		EPA TO-15	
Influent	22I1802-20	Soil Gas		EPA TO-15	
Effluent	22I1802-21	Soil Gas		EPA TO-15	
Effluent Duplicate	22I1802-22	Soil Gas		EPA TO-15	

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CASE NARRATIVE SUMMARY

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

EPA TO-15

Qualifications:

L-01 Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Methyl tert-Butyl Ether (MTBE)

B318891-BS1

L-03 Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Ethanol, Hexachlorobutadiene, Naphthalene, Vinyl Acetate

22I1802-01[SVE 1], 22I1802-02[SVE 2], 22I1802-03[SVE 3], 22I1802-04[SVE 4], 22I1802-05[SVE 5], 22I1802-06[SVE 6], 22I1802-07[SVE 7], 22I1802-08[SVE 8], 22I1802-09[SVE 9], 22I1802-10[SVE 10], B318751-BLK1, B318751-BS1, B318872-BLK1, B318872-BS1, B318872-DUP1, 22I1802- 11[SVE 11], 22I1802-12[SVE 12], 22I1802-13[SVE 13], 22I1802-14[SVE 14], 22I1802-15[SVE 15], 22I1802-16[SVE 15 Duplicate], 22I1802-17[SVE 16], 22I1802-18[SVE 17], 22I1802-19[SVE 18], 22I1802-20[Influent], 22I1802-21[Effluent], 22I1802-22[Effluent Duplicate], B318770-BLK1, B318770-BS1, B318891-BLK1, B318891-BS1

R-04 Duplicate relative percent difference (RPD) is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).

Analyte & Samples(s) Qualified:

1,2,4-Trimethylbenzene

B318872-DUP1

RL-11 Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22I1802-04[SVE 4], 22I1802-06[SVE 6], 22I1802-07[SVE 7], 22I1802-08[SVE 8], 22I1802-09[SVE 9], 22I1802-10[SVE 10], 22I1802- 11[SVE 11], 22I1802-12[SVE 12], 22I1802-13[SVE 13], 22I1802-14[SVE 14], 22I1802-15[SVE 15], 22I1802-16[SVE 15 Duplicate], 22I1802-17[SVE 16], 22I1802-18[SVE 17], 22I1802-19[SVE 18], 22I1802-20[Influent], 22I1802-21[Effluent], 22I1802-22[Effluent Duplicate]

V-20 Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

4-Methyl-2-pentanone (MIBK), Benzyl chloride, Methyl tert-Butyl Ether (MTBE)

B318770-BS1, S077389-CCV1, B318891-BS1, S077465-CCV1

V-36 Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene, Benzyl chloride

B318770-BS1, B318891-BS1, S077389-CCV1, S077465-CCV1

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

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Meghan E. Kelley
Reporting Specialist

con-test®
A Pace Analytical® Laboratory

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

ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 1
Sample ID: 22I1802-01
Sample Matrix: Soil Gas
Sampled: 9/26/2022 11:35

Sample Description/Location:
Sub Description/Location:
Canister ID: 2609
Canister Size: 3 liter
Flow Controller ID: 4486
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -2.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	34	8.0	4.8		80	19	11	4	10/4/22 3:18	BRF
Benzene	ND	0.20	0.15		ND	0.64	0.48	4	10/4/22 3:18	BRF
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	10/4/22 3:18	BRF
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	10/4/22 3:18	BRF
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	10/4/22 3:18	BRF
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	10/4/22 3:18	BRF
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	10/4/22 3:18	BRF
2-Butanone (MEK)	16	8.0	2.1		46	24	6.3	4	10/4/22 3:18	BRF
Carbon Disulfide	0.48	2.0	0.18	J	1.5	6.2	0.58	4	10/4/22 3:18	BRF
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	10/4/22 3:18	BRF
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	10/4/22 3:18	BRF
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	10/4/22 3:18	BRF
Chloroform	ND	0.20	0.19		ND	0.98	0.93	4	10/4/22 3:18	BRF
Chloromethane	0.43	0.40	0.16		0.88	0.83	0.33	4	10/4/22 3:18	BRF
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	10/4/22 3:18	BRF
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	10/4/22 3:18	BRF
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	10/4/22 3:18	BRF
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	10/4/22 3:18	BRF
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	10/4/22 3:18	BRF
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	10/4/22 3:18	BRF
Dichlorodifluoromethane (Freon 12)	0.40	0.20	0.20		2.0	0.99	0.97	4	10/4/22 3:18	BRF
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	10/4/22 3:18	BRF
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	10/4/22 3:18	BRF
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	10/4/22 3:18	BRF
cis-1,2-Dichloroethylene	0.98	0.20	0.15		3.9	0.79	0.58	4	10/4/22 3:18	BRF
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	10/4/22 3:18	BRF
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	10/4/22 3:18	BRF
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	10/4/22 3:18	BRF
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	10/4/22 3:18	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	10/4/22 3:18	BRF
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	10/4/22 3:18	BRF
Ethanol	ND	8.0	3.5	L-03	ND	15	6.6	4	10/4/22 3:18	BRF
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	10/4/22 3:18	BRF
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	10/4/22 3:18	BRF
4-Ethyltoluene	1.8	0.20	0.12		8.8	0.98	0.60	4	10/4/22 3:18	BRF
Heptane	ND	0.20	0.13		ND	0.82	0.52	4	10/4/22 3:18	BRF
Hexachlorobutadiene	ND	0.20	0.16		ND	2.1	1.8	4	10/4/22 3:18	BRF
Hexane	ND	8.0	1.0		ND	28	3.7	4	10/4/22 3:18	BRF
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	10/4/22 3:18	BRF
Isopropanol	ND	8.0	1.4		ND	20	3.4	4	10/4/22 3:18	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	10/4/22 3:18	BRF
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	10/4/22 3:18	BRF
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	10/4/22 3:18	BRF
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	10/4/22 3:18	BRF
Propene	ND	8.0	1.8		ND	14	3.0	4	10/4/22 3:18	BRF
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	10/4/22 3:18	BRF
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	10/4/22 3:18	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 1
Sample ID: 22I1802-01
Sample Matrix: Soil Gas
Sampled: 9/26/2022 11:35

Sample Description/Location:
Sub Description/Location:
Canister ID: 2609
Canister Size: 3 liter
Flow Controller ID: 4486
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -2.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	1.4	0.20	0.15		9.7	1.4	1.0	4	10/4/22 3:18	BRF
Tetrahydrofuran	36	2.0	0.33		110	5.9	0.97	4	10/4/22 3:18	BRF
Toluene	0.44	0.20	0.11		1.6	0.75	0.43	4	10/4/22 3:18	BRF
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	10/4/22 3:18	BRF
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	10/4/22 3:18	BRF
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	10/4/22 3:18	BRF
Trichloroethylene	0.18	0.20	0.13	J	0.97	1.1	0.72	4	10/4/22 3:18	BRF
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	10/4/22 3:18	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	10/4/22 3:18	BRF
1,2,4-Trimethylbenzene	12	0.20	0.088		61	0.98	0.43	4	10/4/22 3:18	BRF
1,3,5-Trimethylbenzene	3.1	0.20	0.11		15	0.98	0.52	4	10/4/22 3:18	BRF
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	10/4/22 3:18	BRF
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	10/4/22 3:18	BRF
m&p-Xylene	0.68	0.40	0.22		2.9	1.7	0.97	4	10/4/22 3:18	BRF
o-Xylene	0.18	0.20	0.10	J	0.80	0.87	0.44	4	10/4/22 3:18	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	10/4/22 3:18

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 2
Sample ID: 22I1802-02
Sample Matrix: Soil Gas
Sampled: 9/26/2022 11:36

Sample Description/Location:
Sub Description/Location:
Canister ID: 2744
Canister Size: 3 liter
Flow Controller ID: 4485
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	5.7	8.0	4.8	J	14	19	11	4	10/4/22 16:54	BRF
Benzene	0.18	0.20	0.15	J	0.58	0.64	0.48	4	10/4/22 16:54	BRF
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	10/4/22 16:54	BRF
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	10/4/22 16:54	BRF
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	10/4/22 16:54	BRF
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	10/4/22 16:54	BRF
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	10/4/22 16:54	BRF
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	10/4/22 16:54	BRF
Carbon Disulfide	0.22	2.0	0.18	J	0.70	6.2	0.58	4	10/4/22 16:54	BRF
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	10/4/22 16:54	BRF
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	10/4/22 16:54	BRF
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	10/4/22 16:54	BRF
Chloroform	ND	0.20	0.19		ND	0.98	0.93	4	10/4/22 16:54	BRF
Chloromethane	0.54	0.40	0.16		1.1	0.83	0.33	4	10/4/22 16:54	BRF
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	10/4/22 16:54	BRF
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	10/4/22 16:54	BRF
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	10/4/22 16:54	BRF
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	10/4/22 16:54	BRF
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	10/4/22 16:54	BRF
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	10/4/22 16:54	BRF
Dichlorodifluoromethane (Freon 12)	0.35	0.20	0.20		1.7	0.99	0.97	4	10/4/22 16:54	BRF
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	10/4/22 16:54	BRF
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	10/4/22 16:54	BRF
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	10/4/22 16:54	BRF
cis-1,2-Dichloroethylene	36	0.20	0.15		140	0.79	0.58	4	10/4/22 16:54	BRF
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	10/4/22 16:54	BRF
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	10/4/22 16:54	BRF
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	10/4/22 16:54	BRF
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	10/4/22 16:54	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	10/4/22 16:54	BRF
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	10/4/22 16:54	BRF
Ethanol	3.7	8.0	3.5	L-03, J	7.0	15	6.6	4	10/4/22 16:54	BRF
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	10/4/22 16:54	BRF
Ethylbenzene	0.49	0.20	0.12		2.1	0.87	0.51	4	10/4/22 16:54	BRF
4-Ethyltoluene	73	0.20	0.12		360	0.98	0.60	4	10/4/22 16:54	BRF
Heptane	0.24	0.20	0.13		1.00	0.82	0.52	4	10/4/22 16:54	BRF
Hexachlorobutadiene	ND	0.20	0.16		ND	2.1	1.8	4	10/4/22 16:54	BRF
Hexane	ND	8.0	1.0		ND	28	3.7	4	10/4/22 16:54	BRF
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	10/4/22 16:54	BRF
Isopropanol	ND	8.0	1.4		ND	20	3.4	4	10/4/22 16:54	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	10/4/22 16:54	BRF
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	10/4/22 16:54	BRF
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	10/4/22 16:54	BRF
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	10/4/22 16:54	BRF
Propene	ND	8.0	1.8		ND	14	3.0	4	10/4/22 16:54	BRF
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	10/4/22 16:54	BRF
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	10/4/22 16:54	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 2
Sample ID: 22I1802-02
Sample Matrix: Soil Gas
Sampled: 9/26/2022 11:36

Sample Description/Location:
Sub Description/Location:
Canister ID: 2744
Canister Size: 3 liter
Flow Controller ID: 4485
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	730	1.0	0.76		4900	6.8	5.2	20	10/4/22 17:33	BRF
Tetrahydrofuran	11	2.0	0.33		33	5.9	0.97	4	10/4/22 16:54	BRF
Toluene	0.78	0.20	0.11		2.9	0.75	0.43	4	10/4/22 16:54	BRF
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	10/4/22 16:54	BRF
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	10/4/22 16:54	BRF
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	10/4/22 16:54	BRF
Trichloroethylene	19	0.20	0.13		100	1.1	0.72	4	10/4/22 16:54	BRF
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	10/4/22 16:54	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	10/4/22 16:54	BRF
1,2,4-Trimethylbenzene	400	1.0	0.44		2000	4.9	2.2	20	10/4/22 17:33	BRF
1,3,5-Trimethylbenzene	170	0.20	0.11		840	0.98	0.52	4	10/4/22 16:54	BRF
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	10/4/22 16:54	BRF
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	10/4/22 16:54	BRF
m&p-Xylene	22	0.40	0.22		94	1.7	0.97	4	10/4/22 16:54	BRF
o-Xylene	24	0.20	0.10		100	0.87	0.44	4	10/4/22 16:54	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	113	70-130	10/4/22 17:33
4-Bromofluorobenzene (1)	120	70-130	10/4/22 16:54

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 3
Sample ID: 22I1802-03
Sample Matrix: Soil Gas
Sampled: 9/26/2022 11:39

Sample Description/Location:
Sub Description/Location:
Canister ID: 2576
Canister Size: 3 liter
Flow Controller ID: 4507
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -4.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	11	8.0	4.8		25	19	11	4	10/4/22 5:27	BRF
Benzene	ND	0.20	0.15		ND	0.64	0.48	4	10/4/22 5:27	BRF
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	10/4/22 5:27	BRF
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	10/4/22 5:27	BRF
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	10/4/22 5:27	BRF
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	10/4/22 5:27	BRF
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	10/4/22 5:27	BRF
2-Butanone (MEK)	4.9	8.0	2.1	J	14	24	6.3	4	10/4/22 5:27	BRF
Carbon Disulfide	ND	2.0	0.18		ND	6.2	0.58	4	10/4/22 5:27	BRF
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	10/4/22 5:27	BRF
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	10/4/22 5:27	BRF
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	10/4/22 5:27	BRF
Chloroform	ND	0.20	0.19		ND	0.98	0.93	4	10/4/22 5:27	BRF
Chloromethane	0.54	0.40	0.16		1.1	0.83	0.33	4	10/4/22 5:27	BRF
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	10/4/22 5:27	BRF
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	10/4/22 5:27	BRF
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	10/4/22 5:27	BRF
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	10/4/22 5:27	BRF
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	10/4/22 5:27	BRF
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	10/4/22 5:27	BRF
Dichlorodifluoromethane (Freon 12)	0.38	0.20	0.20		1.9	0.99	0.97	4	10/4/22 5:27	BRF
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	10/4/22 5:27	BRF
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	10/4/22 5:27	BRF
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	10/4/22 5:27	BRF
cis-1,2-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.58	4	10/4/22 5:27	BRF
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	10/4/22 5:27	BRF
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	10/4/22 5:27	BRF
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	10/4/22 5:27	BRF
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	10/4/22 5:27	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	10/4/22 5:27	BRF
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	10/4/22 5:27	BRF
Ethanol	ND	8.0	3.5	L-03	ND	15	6.6	4	10/4/22 5:27	BRF
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	10/4/22 5:27	BRF
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	10/4/22 5:27	BRF
4-Ethyltoluene	0.20	0.20	0.12	J	0.96	0.98	0.60	4	10/4/22 5:27	BRF
Heptane	ND	0.20	0.13		ND	0.82	0.52	4	10/4/22 5:27	BRF
Hexachlorobutadiene	ND	0.20	0.16		ND	2.1	1.8	4	10/4/22 5:27	BRF
Hexane	ND	8.0	1.0		ND	28	3.7	4	10/4/22 5:27	BRF
2-Hexanone (MBK)	1.6	0.20	0.10		6.6	0.82	0.41	4	10/4/22 5:27	BRF
Isopropanol	ND	8.0	1.4		ND	20	3.4	4	10/4/22 5:27	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	10/4/22 5:27	BRF
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	10/4/22 5:27	BRF
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	10/4/22 5:27	BRF
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	10/4/22 5:27	BRF
Propene	ND	8.0	1.8		ND	14	3.0	4	10/4/22 5:27	BRF
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	10/4/22 5:27	BRF
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	10/4/22 5:27	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 3
Sample ID: 22I1802-03
Sample Matrix: Soil Gas
Sampled: 9/26/2022 11:39

Sample Description/Location:
Sub Description/Location:
Canister ID: 2576
Canister Size: 3 liter
Flow Controller ID: 4507
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -4.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.41	0.20	0.15		2.8	1.4	1.0	4	10/4/22 5:27	BRF
Tetrahydrofuran	40	2.0	0.33		120	5.9	0.97	4	10/4/22 5:27	BRF
Toluene	0.53	0.20	0.11		2.0	0.75	0.43	4	10/4/22 5:27	BRF
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	10/4/22 5:27	BRF
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	10/4/22 5:27	BRF
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	10/4/22 5:27	BRF
Trichloroethylene	ND	0.20	0.13		ND	1.1	0.72	4	10/4/22 5:27	BRF
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	10/4/22 5:27	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	10/4/22 5:27	BRF
1,2,4-Trimethylbenzene	1.6	0.20	0.088		8.0	0.98	0.43	4	10/4/22 5:27	BRF
1,3,5-Trimethylbenzene	2.5	0.20	0.11		12	0.98	0.52	4	10/4/22 5:27	BRF
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	10/4/22 5:27	BRF
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	10/4/22 5:27	BRF
m&p-Xylene	0.43	0.40	0.22		1.9	1.7	0.97	4	10/4/22 5:27	BRF
o-Xylene	0.14	0.20	0.10	J	0.61	0.87	0.44	4	10/4/22 5:27	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	116	70-130	10/4/22 5:27

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 4
Sample ID: 22I1802-04
Sample Matrix: Soil Gas
Sampled: 9/26/2022 11:41

Sample Description/Location:
Sub Description/Location:
Canister ID: 2363
Canister Size: 3 liter
Flow Controller ID: 4506
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	80	48		ND	190	110	40	10/4/22 6:06	BRF
Benzene	ND	2.0	1.5		ND	6.4	4.8	40	10/4/22 6:06	BRF
Benzyl chloride	ND	2.0	1.8		ND	10	9.1	40	10/4/22 6:06	BRF
Bromodichloromethane	ND	2.0	1.4		ND	13	9.4	40	10/4/22 6:06	BRF
Bromoform	ND	2.0	1.4		ND	21	14	40	10/4/22 6:06	BRF
Bromomethane	ND	2.0	1.3		ND	7.8	5.2	40	10/4/22 6:06	BRF
1,3-Butadiene	ND	2.0	1.7		ND	4.4	3.7	40	10/4/22 6:06	BRF
2-Butanone (MEK)	ND	80	21		ND	240	63	40	10/4/22 6:06	BRF
Carbon Disulfide	2.9	20	1.8	J	9.0	62	5.8	40	10/4/22 6:06	BRF
Carbon Tetrachloride	ND	2.0	1.6		ND	13	10	40	10/4/22 6:06	BRF
Chlorobenzene	ND	2.0	1.3		ND	9.2	6.1	40	10/4/22 6:06	BRF
Chloroethane	ND	2.0	1.8		ND	5.3	4.7	40	10/4/22 6:06	BRF
Chloroform	3.2	2.0	1.9		16	9.8	9.3	40	10/4/22 6:06	BRF
Chloromethane	ND	4.0	1.6		ND	8.3	3.3	40	10/4/22 6:06	BRF
Cyclohexane	46	2.0	1.2		160	6.9	4.2	40	10/4/22 6:06	BRF
Dibromochloromethane	ND	2.0	1.3		ND	17	11	40	10/4/22 6:06	BRF
1,2-Dibromoethane (EDB)	ND	2.0	1.2		ND	15	9.3	40	10/4/22 6:06	BRF
1,2-Dichlorobenzene	ND	2.0	1.1		ND	12	6.9	40	10/4/22 6:06	BRF
1,3-Dichlorobenzene	ND	2.0	1.1		ND	12	6.7	40	10/4/22 6:06	BRF
1,4-Dichlorobenzene	ND	2.0	1.3		ND	12	7.9	40	10/4/22 6:06	BRF
Dichlorodifluoromethane (Freon 12)	4.2	2.0	2.0		21	9.9	9.7	40	10/4/22 6:06	BRF
1,1-Dichloroethane	ND	2.0	1.7		ND	8.1	7.1	40	10/4/22 6:06	BRF
1,2-Dichloroethane	ND	2.0	1.8		ND	8.1	7.3	40	10/4/22 6:06	BRF
1,1-Dichloroethylene	3.4	2.0	1.5		13	7.9	6.0	40	10/4/22 6:06	BRF
cis-1,2-Dichloroethylene	2500	30	22		10000	120	87	600	10/4/22 6:47	BRF
trans-1,2-Dichloroethylene	12	2.0	1.6		49	7.9	6.2	40	10/4/22 6:06	BRF
1,2-Dichloropropane	ND	2.0	1.1		ND	9.2	5.0	40	10/4/22 6:06	BRF
cis-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.7	40	10/4/22 6:06	BRF
trans-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.6	40	10/4/22 6:06	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	2.0		ND	14	14	40	10/4/22 6:06	BRF
1,4-Dioxane	ND	20	1.7		ND	72	6.0	40	10/4/22 6:06	BRF
Ethanol	ND	80	35	L-03	ND	150	66	40	10/4/22 6:06	BRF
Ethyl Acetate	ND	20	10		ND	72	36	40	10/4/22 6:06	BRF
Ethylbenzene	ND	2.0	1.2		ND	8.7	5.1	40	10/4/22 6:06	BRF
4-Ethyltoluene	86	2.0	1.2		420	9.8	6.0	40	10/4/22 6:06	BRF
Heptane	18	2.0	1.3		75	8.2	5.2	40	10/4/22 6:06	BRF
Hexachlorobutadiene	ND	2.0	1.6		ND	21	18	40	10/4/22 6:06	BRF
Hexane	28	80	10	J	98	280	37	40	10/4/22 6:06	BRF
2-Hexanone (MBK)	ND	2.0	1.0		ND	8.2	4.1	40	10/4/22 6:06	BRF
Isopropanol	ND	80	14		ND	200	34	40	10/4/22 6:06	BRF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	1.5		ND	7.2	5.6	40	10/4/22 6:06	BRF
Methylene Chloride	ND	20	9.3		ND	69	32	40	10/4/22 6:06	BRF
4-Methyl-2-pentanone (MIBK)	ND	2.0	1.1		ND	8.2	4.4	40	10/4/22 6:06	BRF
Naphthalene	ND	2.0	1.5		ND	10	7.9	40	10/4/22 6:06	BRF
Propene	ND	80	18		ND	140	30	40	10/4/22 6:06	BRF
Styrene	ND	2.0	1.1		ND	8.5	4.5	40	10/4/22 6:06	BRF
1,1,2,2-Tetrachloroethane	ND	2.0	1.1		ND	14	7.4	40	10/4/22 6:06	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 4
Sample ID: 22I1802-04
Sample Matrix: Soil Gas
Sampled: 9/26/2022 11:41

Sample Description/Location:
Sub Description/Location:
Canister ID: 2363
Canister Size: 3 liter
Flow Controller ID: 4506
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	17000	30	23		120000	200	160	600	10/4/22 6:47	BRF
Tetrahydrofuran	32	20	3.3		94	59	9.7	40	10/4/22 6:06	BRF
Toluene	3.0	2.0	1.1		11	7.5	4.3	40	10/4/22 6:06	BRF
1,2,4-Trichlorobenzene	ND	2.0	1.9		ND	15	14	40	10/4/22 6:06	BRF
1,1,1-Trichloroethane	ND	2.0	1.6		ND	11	8.6	40	10/4/22 6:06	BRF
1,1,2-Trichloroethane	ND	2.0	1.4		ND	11	7.7	40	10/4/22 6:06	BRF
Trichloroethylene	1100	2.0	1.3		5800	11	7.2	40	10/4/22 6:06	BRF
Trichlorofluoromethane (Freon 11)	ND	8.0	2.4		ND	45	13	40	10/4/22 6:06	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	8.0	2.2		ND	61	17	40	10/4/22 6:06	BRF
1,2,4-Trimethylbenzene	520	2.0	0.88		2500	9.8	4.3	40	10/4/22 6:06	BRF
1,3,5-Trimethylbenzene	620	2.0	1.1		3000	9.8	5.2	40	10/4/22 6:06	BRF
Vinyl Acetate	ND	40	11		ND	140	38	40	10/4/22 6:06	BRF
Vinyl Chloride	8.9	2.0	1.8		23	5.1	4.6	40	10/4/22 6:06	BRF
m&p-Xylene	26	4.0	2.2		110	17	9.7	40	10/4/22 6:06	BRF
o-Xylene	41	2.0	1.0		180	8.7	4.4	40	10/4/22 6:06	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	118	70-130	10/4/22 6:06
4-Bromofluorobenzene (1)	111	70-130	10/4/22 6:47

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 5
Sample ID: 22I1802-05
Sample Matrix: Soil Gas
Sampled: 9/26/2022 11:46

Sample Description/Location:
Sub Description/Location:
Canister ID: 2729
Canister Size: 3 liter
Flow Controller ID: 4470
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -3.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	8.0	4.8		ND	19	11	4	10/4/22 18:13	BRF
Benzene	0.18	0.20	0.15	J	0.59	0.64	0.48	4	10/4/22 18:13	BRF
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	10/4/22 18:13	BRF
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	10/4/22 18:13	BRF
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	10/4/22 18:13	BRF
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	10/4/22 18:13	BRF
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	10/4/22 18:13	BRF
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	10/4/22 18:13	BRF
Carbon Disulfide	ND	2.0	0.18		ND	6.2	0.58	4	10/4/22 18:13	BRF
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	10/4/22 18:13	BRF
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	10/4/22 18:13	BRF
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	10/4/22 18:13	BRF
Chloroform	ND	0.20	0.19		ND	0.98	0.93	4	10/4/22 18:13	BRF
Chloromethane	0.44	0.40	0.16		0.92	0.83	0.33	4	10/4/22 18:13	BRF
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	10/4/22 18:13	BRF
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	10/4/22 18:13	BRF
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	10/4/22 18:13	BRF
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	10/4/22 18:13	BRF
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	10/4/22 18:13	BRF
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	10/4/22 18:13	BRF
Dichlorodifluoromethane (Freon 12)	0.35	0.20	0.20		1.7	0.99	0.97	4	10/4/22 18:13	BRF
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	10/4/22 18:13	BRF
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	10/4/22 18:13	BRF
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	10/4/22 18:13	BRF
cis-1,2-Dichloroethylene	15	0.20	0.15		58	0.79	0.58	4	10/4/22 18:13	BRF
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	10/4/22 18:13	BRF
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	10/4/22 18:13	BRF
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	10/4/22 18:13	BRF
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	10/4/22 18:13	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	10/4/22 18:13	BRF
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	10/4/22 18:13	BRF
Ethanol	ND	8.0	3.5	L-03	ND	15	6.6	4	10/4/22 18:13	BRF
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	10/4/22 18:13	BRF
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	10/4/22 18:13	BRF
4-Ethyltoluene	0.16	0.20	0.12	J	0.77	0.98	0.60	4	10/4/22 18:13	BRF
Heptane	0.16	0.20	0.13	J	0.66	0.82	0.52	4	10/4/22 18:13	BRF
Hexachlorobutadiene	ND	0.20	0.16		ND	2.1	1.8	4	10/4/22 18:13	BRF
Hexane	ND	8.0	1.0		ND	28	3.7	4	10/4/22 18:13	BRF
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	10/4/22 18:13	BRF
Isopropanol	ND	8.0	1.4		ND	20	3.4	4	10/4/22 18:13	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	10/4/22 18:13	BRF
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	10/4/22 18:13	BRF
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	10/4/22 18:13	BRF
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	10/4/22 18:13	BRF
Propene	ND	8.0	1.8		ND	14	3.0	4	10/4/22 18:13	BRF
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	10/4/22 18:13	BRF
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	10/4/22 18:13	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 5
Sample ID: 22I1802-05
Sample Matrix: Soil Gas
Sampled: 9/26/2022 11:46

Sample Description/Location:
Sub Description/Location:
Canister ID: 2729
Canister Size: 3 liter
Flow Controller ID: 4470
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -3.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	120	0.20	0.15		810	1.4	1.0	4	10/4/22 18:13	BRF
Tetrahydrofuran	2.5	2.0	0.33		7.3	5.9	0.97	4	10/4/22 18:13	BRF
Toluene	0.57	0.20	0.11		2.2	0.75	0.43	4	10/4/22 18:13	BRF
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	10/4/22 18:13	BRF
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	10/4/22 18:13	BRF
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	10/4/22 18:13	BRF
Trichloroethylene	4.4	0.20	0.13		24	1.1	0.72	4	10/4/22 18:13	BRF
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	10/4/22 18:13	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	10/4/22 18:13	BRF
1,2,4-Trimethylbenzene	0.66	0.20	0.088		3.3	0.98	0.43	4	10/4/22 18:13	BRF
1,3,5-Trimethylbenzene	0.69	0.20	0.11		3.4	0.98	0.52	4	10/4/22 18:13	BRF
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	10/4/22 18:13	BRF
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	10/4/22 18:13	BRF
m&p-Xylene	0.46	0.40	0.22		2.0	1.7	0.97	4	10/4/22 18:13	BRF
o-Xylene	0.20	0.20	0.10		0.87	0.87	0.44	4	10/4/22 18:13	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	110	70-130	10/4/22 18:13

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 6
Sample ID: 22I1802-06
Sample Matrix: Soil Gas
Sampled: 9/26/2022 12:11

Sample Description/Location:
Sub Description/Location:
Canister ID: 2740
Canister Size: 3 liter
Flow Controller ID: 4469
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -6.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	80	48		ND	190	110	40	10/4/22 20:12	BRF
Benzene	ND	2.0	1.5		ND	6.4	4.8	40	10/4/22 20:12	BRF
Benzyl chloride	ND	2.0	1.8		ND	10	9.1	40	10/4/22 20:12	BRF
Bromodichloromethane	ND	2.0	1.4		ND	13	9.4	40	10/4/22 20:12	BRF
Bromoform	ND	2.0	1.4		ND	21	14	40	10/4/22 20:12	BRF
Bromomethane	ND	2.0	1.3		ND	7.8	5.2	40	10/4/22 20:12	BRF
1,3-Butadiene	ND	2.0	1.7		ND	4.4	3.7	40	10/4/22 20:12	BRF
2-Butanone (MEK)	ND	80	21		ND	240	63	40	10/4/22 20:12	BRF
Carbon Disulfide	ND	20	1.8		ND	62	5.8	40	10/4/22 20:12	BRF
Carbon Tetrachloride	ND	2.0	1.6		ND	13	10	40	10/4/22 20:12	BRF
Chlorobenzene	ND	2.0	1.3		ND	9.2	6.1	40	10/4/22 20:12	BRF
Chloroethane	ND	2.0	1.8		ND	5.3	4.7	40	10/4/22 20:12	BRF
Chloroform	ND	2.0	1.9		ND	9.8	9.3	40	10/4/22 20:12	BRF
Chloromethane	ND	4.0	1.6		ND	8.3	3.3	40	10/4/22 20:12	BRF
Cyclohexane	18	2.0	1.2		63	6.9	4.2	40	10/4/22 20:12	BRF
Dibromochloromethane	ND	2.0	1.3		ND	17	11	40	10/4/22 20:12	BRF
1,2-Dibromoethane (EDB)	ND	2.0	1.2		ND	15	9.3	40	10/4/22 20:12	BRF
1,2-Dichlorobenzene	ND	2.0	1.1		ND	12	6.9	40	10/4/22 20:12	BRF
1,3-Dichlorobenzene	ND	2.0	1.1		ND	12	6.7	40	10/4/22 20:12	BRF
1,4-Dichlorobenzene	ND	2.0	1.3		ND	12	7.9	40	10/4/22 20:12	BRF
Dichlorodifluoromethane (Freon 12)	ND	2.0	2.0		ND	9.9	9.7	40	10/4/22 20:12	BRF
1,1-Dichloroethane	ND	2.0	1.7		ND	8.1	7.1	40	10/4/22 20:12	BRF
1,2-Dichloroethane	ND	2.0	1.8		ND	8.1	7.3	40	10/4/22 20:12	BRF
1,1-Dichloroethylene	ND	2.0	1.5		ND	7.9	6.0	40	10/4/22 20:12	BRF
cis-1,2-Dichloroethylene	1400	2.0	1.5		5500	7.9	5.8	40	10/4/22 20:12	BRF
trans-1,2-Dichloroethylene	5.3	2.0	1.6		21	7.9	6.2	40	10/4/22 20:12	BRF
1,2-Dichloropropane	ND	2.0	1.1		ND	9.2	5.0	40	10/4/22 20:12	BRF
cis-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.7	40	10/4/22 20:12	BRF
trans-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.6	40	10/4/22 20:12	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	2.0		ND	14	14	40	10/4/22 20:12	BRF
1,4-Dioxane	ND	20	1.7		ND	72	6.0	40	10/4/22 20:12	BRF
Ethanol	ND	80	35	L-03	ND	150	66	40	10/4/22 20:12	BRF
Ethyl Acetate	ND	20	10		ND	72	36	40	10/4/22 20:12	BRF
Ethylbenzene	1.6	2.0	1.2	J	6.8	8.7	5.1	40	10/4/22 20:12	BRF
4-Ethyltoluene	30	2.0	1.2		150	9.8	6.0	40	10/4/22 20:12	BRF
Heptane	7.6	2.0	1.3		31	8.2	5.2	40	10/4/22 20:12	BRF
Hexachlorobutadiene	ND	2.0	1.6		ND	21	18	40	10/4/22 20:12	BRF
Hexane	11	80	10	J	38	280	37	40	10/4/22 20:12	BRF
2-Hexanone (MBK)	ND	2.0	1.0		ND	8.2	4.1	40	10/4/22 20:12	BRF
Isopropanol	ND	80	14		ND	200	34	40	10/4/22 20:12	BRF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	1.5		ND	7.2	5.6	40	10/4/22 20:12	BRF
Methylene Chloride	ND	20	9.3		ND	69	32	40	10/4/22 20:12	BRF
4-Methyl-2-pentanone (MIBK)	ND	2.0	1.1		ND	8.2	4.4	40	10/4/22 20:12	BRF
Naphthalene	ND	2.0	1.5		ND	10	7.9	40	10/4/22 20:12	BRF
Propene	ND	80	18		ND	140	30	40	10/4/22 20:12	BRF
Styrene	ND	2.0	1.1		ND	8.5	4.5	40	10/4/22 20:12	BRF
1,1,2,2-Tetrachloroethane	ND	2.0	1.1		ND	14	7.4	40	10/4/22 20:12	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 6
Sample ID: 22I1802-06
Sample Matrix: Soil Gas
Sampled: 9/26/2022 12:11

Sample Description/Location:
Sub Description/Location:
Canister ID: 2740
Canister Size: 3 liter
Flow Controller ID: 4469
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -6.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	21000	120	92		140000	810	620	2400	10/5/22 7:05	BRF
Tetrahydrofuran	57	20	3.3		170	59	9.7	40	10/4/22 20:12	BRF
Toluene	3.8	2.0	1.1		14	7.5	4.3	40	10/4/22 20:12	BRF
1,2,4-Trichlorobenzene	ND	2.0	1.9		ND	15	14	40	10/4/22 20:12	BRF
1,1,1-Trichloroethane	ND	2.0	1.6		ND	11	8.6	40	10/4/22 20:12	BRF
1,1,2-Trichloroethane	ND	2.0	1.4		ND	11	7.7	40	10/4/22 20:12	BRF
Trichloroethylene	610	2.0	1.3		3300	11	7.2	40	10/4/22 20:12	BRF
Trichlorofluoromethane (Freon 11)	ND	8.0	2.4		ND	45	13	40	10/4/22 20:12	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	8.0	2.2		ND	61	17	40	10/4/22 20:12	BRF
1,2,4-Trimethylbenzene	170	2.0	0.88		850	9.8	4.3	40	10/4/22 20:12	BRF
1,3,5-Trimethylbenzene	250	2.0	1.1		1200	9.8	5.2	40	10/4/22 20:12	BRF
Vinyl Acetate	ND	40	11		ND	140	38	40	10/4/22 20:12	BRF
Vinyl Chloride	3.6	2.0	1.8		9.1	5.1	4.6	40	10/4/22 20:12	BRF
m&p-Xylene	13	4.0	2.2		58	17	9.7	40	10/4/22 20:12	BRF
o-Xylene	19	2.0	1.0		82	8.7	4.4	40	10/4/22 20:12	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	111	70-130	10/5/22 7:05
4-Bromofluorobenzene (1)	118	70-130	10/4/22 20:12

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 7
Sample ID: 22I1802-07
Sample Matrix: Soil Gas
Sampled: 9/26/2022 12:12

Sample Description/Location:
Sub Description/Location:
Canister ID: 2726
Canister Size: 3 liter
Flow Controller ID: 4508
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -25
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	2400	1400		ND	5700	3400	1200	10/4/22 21:35	BRF
Benzene	ND	60	45		ND	190	150	1200	10/4/22 21:35	BRF
Benzyl chloride	ND	60	53		ND	310	270	1200	10/4/22 21:35	BRF
Bromodichloromethane	ND	60	42		ND	400	280	1200	10/4/22 21:35	BRF
Bromoform	ND	60	41		ND	620	420	1200	10/4/22 21:35	BRF
Bromomethane	ND	60	40		ND	230	160	1200	10/4/22 21:35	BRF
1,3-Butadiene	ND	60	50		ND	130	110	1200	10/4/22 21:35	BRF
2-Butanone (MEK)	ND	2400	640		ND	7100	1900	1200	10/4/22 21:35	BRF
Carbon Disulfide	ND	600	55		ND	1900	170	1200	10/4/22 21:35	BRF
Carbon Tetrachloride	ND	60	48		ND	380	300	1200	10/4/22 21:35	BRF
Chlorobenzene	ND	60	40		ND	280	180	1200	10/4/22 21:35	BRF
Chloroethane	ND	60	53		ND	160	140	1200	10/4/22 21:35	BRF
Chloroform	ND	60	57		ND	290	280	1200	10/4/22 21:35	BRF
Chloromethane	ND	120	48		ND	250	98	1200	10/4/22 21:35	BRF
Cyclohexane	ND	60	36		ND	210	120	1200	10/4/22 21:35	BRF
Dibromochloromethane	ND	60	40		ND	510	340	1200	10/4/22 21:35	BRF
1,2-Dibromoethane (EDB)	ND	60	36		ND	460	280	1200	10/4/22 21:35	BRF
1,2-Dichlorobenzene	ND	60	34		ND	360	210	1200	10/4/22 21:35	BRF
1,3-Dichlorobenzene	ND	60	33		ND	360	200	1200	10/4/22 21:35	BRF
1,4-Dichlorobenzene	ND	60	39		ND	360	240	1200	10/4/22 21:35	BRF
Dichlorodifluoromethane (Freon 12)	ND	60	59		ND	300	290	1200	10/4/22 21:35	BRF
1,1-Dichloroethane	ND	60	52		ND	240	210	1200	10/4/22 21:35	BRF
1,2-Dichloroethane	ND	60	54		ND	240	220	1200	10/4/22 21:35	BRF
1,1-Dichloroethylene	ND	60	46		ND	240	180	1200	10/4/22 21:35	BRF
cis-1,2-Dichloroethylene	20000	60	44		78000	240	170	1200	10/4/22 21:35	BRF
trans-1,2-Dichloroethylene	49	60	47	J	200	240	190	1200	10/4/22 21:35	BRF
1,2-Dichloropropane	ND	60	33		ND	280	150	1200	10/4/22 21:35	BRF
cis-1,3-Dichloropropene	ND	60	31		ND	270	140	1200	10/4/22 21:35	BRF
trans-1,3-Dichloropropene	ND	60	31		ND	270	140	1200	10/4/22 21:35	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	60	59		ND	420	410	1200	10/4/22 21:35	BRF
1,4-Dioxane	ND	600	50		ND	2200	180	1200	10/4/22 21:35	BRF
Ethanol	ND	2400	1100	L-03	ND	4500	2000	1200	10/4/22 21:35	BRF
Ethyl Acetate	ND	600	300		ND	2200	1100	1200	10/4/22 21:35	BRF
Ethylbenzene	ND	60	35		ND	260	150	1200	10/4/22 21:35	BRF
4-Ethyltoluene	59	60	37	J	290	290	180	1200	10/4/22 21:35	BRF
Heptane	54	60	38	J	220	250	160	1200	10/4/22 21:35	BRF
Hexachlorobutadiene	ND	60	49		ND	640	530	1200	10/4/22 21:35	BRF
Hexane	ND	2400	310		ND	8500	1100	1200	10/4/22 21:35	BRF
2-Hexanone (MBK)	ND	60	30		ND	250	120	1200	10/4/22 21:35	BRF
Isopropanol	ND	2400	410		ND	5900	1000	1200	10/4/22 21:35	BRF
Methyl tert-Butyl Ether (MTBE)	ND	60	46		ND	220	170	1200	10/4/22 21:35	BRF
Methylene Chloride	ND	600	280		ND	2100	970	1200	10/4/22 21:35	BRF
4-Methyl-2-pentanone (MIBK)	ND	60	32		ND	250	130	1200	10/4/22 21:35	BRF
Naphthalene	ND	60	45		ND	310	240	1200	10/4/22 21:35	BRF
Propene	ND	2400	530		ND	4100	910	1200	10/4/22 21:35	BRF
Styrene	ND	60	32		ND	260	130	1200	10/4/22 21:35	BRF
1,1,2,2-Tetrachloroethane	ND	60	32		ND	410	220	1200	10/4/22 21:35	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 7
Sample ID: 22I1802-07
Sample Matrix: Soil Gas
Sampled: 9/26/2022 12:12

Sample Description/Location:
Sub Description/Location:
Canister ID: 2726
Canister Size: 3 liter
Flow Controller ID: 4508
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -25
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	180000	300	230		1200000	2000	1600	6000	10/4/22 22:14	BRF
Tetrahydrofuran	130	600	99	J	390	1800	290	1200	10/4/22 21:35	BRF
Toluene	41	60	34	J	150	230	130	1200	10/4/22 21:35	BRF
1,2,4-Trichlorobenzene	ND	60	56		ND	450	410	1200	10/4/22 21:35	BRF
1,1,1-Trichloroethane	ND	60	47		ND	330	260	1200	10/4/22 21:35	BRF
1,1,2-Trichloroethane	ND	60	42		ND	330	230	1200	10/4/22 21:35	BRF
Trichloroethylene	5600	60	40		30000	320	220	1200	10/4/22 21:35	BRF
Trichlorofluoromethane (Freon 11)	ND	240	71		ND	1300	400	1200	10/4/22 21:35	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	240	67		ND	1800	510	1200	10/4/22 21:35	BRF
1,2,4-Trimethylbenzene	120	60	27		570	290	130	1200	10/4/22 21:35	BRF
1,3,5-Trimethylbenzene	310	60	32		1500	290	160	1200	10/4/22 21:35	BRF
Vinyl Acetate	ND	1200	320		ND	4200	1100	1200	10/4/22 21:35	BRF
Vinyl Chloride	ND	60	54		ND	150	140	1200	10/4/22 21:35	BRF
m&p-Xylene	ND	120	67		ND	520	290	1200	10/4/22 21:35	BRF
o-Xylene	67	60	31		290	260	130	1200	10/4/22 21:35	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	109	70-130	10/4/22 22:14
4-Bromofluorobenzene (1)	111	70-130	10/4/22 21:35

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 8
Sample ID: 22I1802-08
Sample Matrix: Soil Gas
Sampled: 9/26/2022 12:17

Sample Description/Location:
Sub Description/Location:
Canister ID: 2415
Canister Size: 3 liter
Flow Controller ID: 4509
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	1200	720		ND	2900	1700	600	10/4/22 22:55	BRF
Benzene	ND	30	23		ND	96	73	600	10/4/22 22:55	BRF
Benzyl chloride	ND	30	26		ND	160	140	600	10/4/22 22:55	BRF
Bromodichloromethane	ND	30	21		ND	200	140	600	10/4/22 22:55	BRF
Bromoform	ND	30	20		ND	310	210	600	10/4/22 22:55	BRF
Bromomethane	ND	30	20		ND	120	78	600	10/4/22 22:55	BRF
1,3-Butadiene	ND	30	25		ND	66	56	600	10/4/22 22:55	BRF
2-Butanone (MEK)	ND	1200	320		ND	3500	940	600	10/4/22 22:55	BRF
Carbon Disulfide	ND	300	28		ND	930	86	600	10/4/22 22:55	BRF
Carbon Tetrachloride	ND	30	24		ND	190	150	600	10/4/22 22:55	BRF
Chlorobenzene	ND	30	20		ND	140	92	600	10/4/22 22:55	BRF
Chloroethane	ND	30	27		ND	79	70	600	10/4/22 22:55	BRF
Chloroform	ND	30	28		ND	150	140	600	10/4/22 22:55	BRF
Chloromethane	ND	60	24		ND	120	49	600	10/4/22 22:55	BRF
Cyclohexane	ND	30	18		ND	100	62	600	10/4/22 22:55	BRF
Dibromochloromethane	ND	30	20		ND	260	170	600	10/4/22 22:55	BRF
1,2-Dibromoethane (EDB)	ND	30	18		ND	230	140	600	10/4/22 22:55	BRF
1,2-Dichlorobenzene	ND	30	17		ND	180	100	600	10/4/22 22:55	BRF
1,3-Dichlorobenzene	ND	30	17		ND	180	100	600	10/4/22 22:55	BRF
1,4-Dichlorobenzene	ND	30	20		ND	180	120	600	10/4/22 22:55	BRF
Dichlorodifluoromethane (Freon 12)	ND	30	29		ND	150	140	600	10/4/22 22:55	BRF
1,1-Dichloroethane	ND	30	26		ND	120	110	600	10/4/22 22:55	BRF
1,2-Dichloroethane	ND	30	27		ND	120	110	600	10/4/22 22:55	BRF
1,1-Dichloroethylene	ND	30	23		ND	120	91	600	10/4/22 22:55	BRF
cis-1,2-Dichloroethylene	4000	30	22		16000	120	87	600	10/4/22 22:55	BRF
trans-1,2-Dichloroethylene	33	30	24		130	120	93	600	10/4/22 22:55	BRF
1,2-Dichloropropane	ND	30	16		ND	140	75	600	10/4/22 22:55	BRF
cis-1,3-Dichloropropene	ND	30	16		ND	140	71	600	10/4/22 22:55	BRF
trans-1,3-Dichloropropene	ND	30	15		ND	140	70	600	10/4/22 22:55	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	30	30		ND	210	210	600	10/4/22 22:55	BRF
1,4-Dioxane	ND	300	25		ND	1100	90	600	10/4/22 22:55	BRF
Ethanol	ND	1200	530	L-03	ND	2300	1000	600	10/4/22 22:55	BRF
Ethyl Acetate	ND	300	150		ND	1100	550	600	10/4/22 22:55	BRF
Ethylbenzene	ND	30	18		ND	130	76	600	10/4/22 22:55	BRF
4-Ethyltoluene	62	30	18		300	150	91	600	10/4/22 22:55	BRF
Heptane	ND	30	19		ND	120	79	600	10/4/22 22:55	BRF
Hexachlorobutadiene	ND	30	25		ND	320	260	600	10/4/22 22:55	BRF
Hexane	ND	1200	160		ND	4200	550	600	10/4/22 22:55	BRF
2-Hexanone (MBK)	ND	30	15		ND	120	61	600	10/4/22 22:55	BRF
Isopropanol	ND	1200	210		ND	2900	510	600	10/4/22 22:55	BRF
Methyl tert-Butyl Ether (MTBE)	ND	30	23		ND	110	84	600	10/4/22 22:55	BRF
Methylene Chloride	ND	300	140		ND	1000	480	600	10/4/22 22:55	BRF
4-Methyl-2-pentanone (MIBK)	ND	30	16		ND	120	66	600	10/4/22 22:55	BRF
Naphthalene	ND	30	23		ND	160	120	600	10/4/22 22:55	BRF
Propene	ND	1200	260		ND	2100	450	600	10/4/22 22:55	BRF
Styrene	ND	30	16		ND	130	67	600	10/4/22 22:55	BRF
1,1,2,2-Tetrachloroethane	ND	30	16		ND	210	110	600	10/4/22 22:55	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 8
Sample ID: 22I1802-08
Sample Matrix: Soil Gas
Sampled: 9/26/2022 12:17

Sample Description/Location:
Sub Description/Location:
Canister ID: 2415
Canister Size: 3 liter
Flow Controller ID: 4509
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	68000	300	230		460000	2000	1600	6000	10/5/22 7:45	BRF
Tetrahydrofuran	76	300	49	J	220	880	150	600	10/4/22 22:55	BRF
Toluene	ND	30	17		ND	110	65	600	10/4/22 22:55	BRF
1,2,4-Trichlorobenzene	ND	30	28		ND	220	210	600	10/4/22 22:55	BRF
1,1,1-Trichloroethane	ND	30	24		ND	160	130	600	10/4/22 22:55	BRF
1,1,2-Trichloroethane	ND	30	21		ND	160	120	600	10/4/22 22:55	BRF
Trichloroethylene	5700	30	20		31000	160	110	600	10/4/22 22:55	BRF
Trichlorofluoromethane (Freon 11)	ND	120	35		ND	670	200	600	10/4/22 22:55	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	120	33		ND	920	260	600	10/4/22 22:55	BRF
1,2,4-Trimethylbenzene	250	30	13		1200	150	65	600	10/4/22 22:55	BRF
1,3,5-Trimethylbenzene	260	30	16		1300	150	78	600	10/4/22 22:55	BRF
Vinyl Acetate	ND	600	160		ND	2100	570	600	10/4/22 22:55	BRF
Vinyl Chloride	ND	30	27		ND	77	69	600	10/4/22 22:55	BRF
m&p-Xylene	ND	60	34		ND	260	150	600	10/4/22 22:55	BRF
o-Xylene	23	30	15	J	100	130	67	600	10/4/22 22:55	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	10/5/22 7:45
4-Bromofluorobenzene (1)	109	70-130	10/4/22 22:55

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 9
Sample ID: 22I1802-09
Sample Matrix: Soil Gas
Sampled: 9/26/2022 12:18

Sample Description/Location:
Sub Description/Location:
Canister ID: 2265
Canister Size: 3 liter
Flow Controller ID: 4758
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -4.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	600	360		ND	1400	860	300	10/5/22 0:18	BRF
Benzene	ND	15	11		ND	48	36	300	10/5/22 0:18	BRF
Benzyl chloride	ND	15	13		ND	78	68	300	10/5/22 0:18	BRF
Bromodichloromethane	ND	15	10		ND	100	70	300	10/5/22 0:18	BRF
Bromoform	ND	15	10		ND	160	110	300	10/5/22 0:18	BRF
Bromomethane	ND	15	10		ND	58	39	300	10/5/22 0:18	BRF
1,3-Butadiene	ND	15	13		ND	33	28	300	10/5/22 0:18	BRF
2-Butanone (MEK)	ND	600	160		ND	1800	470	300	10/5/22 0:18	BRF
Carbon Disulfide	ND	150	14		ND	470	43	300	10/5/22 0:18	BRF
Carbon Tetrachloride	ND	15	12		ND	94	75	300	10/5/22 0:18	BRF
Chlorobenzene	ND	15	10		ND	69	46	300	10/5/22 0:18	BRF
Chloroethane	ND	15	13		ND	40	35	300	10/5/22 0:18	BRF
Chloroform	ND	15	14		ND	73	70	300	10/5/22 0:18	BRF
Chloromethane	ND	30	12		ND	62	25	300	10/5/22 0:18	BRF
Cyclohexane	ND	15	9.1		ND	52	31	300	10/5/22 0:18	BRF
Dibromochloromethane	ND	15	9.9		ND	130	85	300	10/5/22 0:18	BRF
1,2-Dibromoethane (EDB)	ND	15	9.1		ND	120	70	300	10/5/22 0:18	BRF
1,2-Dichlorobenzene	ND	15	8.6		ND	90	52	300	10/5/22 0:18	BRF
1,3-Dichlorobenzene	ND	15	8.3		ND	90	50	300	10/5/22 0:18	BRF
1,4-Dichlorobenzene	ND	15	9.8		ND	90	59	300	10/5/22 0:18	BRF
Dichlorodifluoromethane (Freon 12)	ND	15	15		ND	74	72	300	10/5/22 0:18	BRF
1,1-Dichloroethane	ND	15	13		ND	61	53	300	10/5/22 0:18	BRF
1,2-Dichloroethane	ND	15	14		ND	61	55	300	10/5/22 0:18	BRF
1,1-Dichloroethylene	ND	15	11		ND	59	45	300	10/5/22 0:18	BRF
cis-1,2-Dichloroethylene	690	15	11		2700	59	43	300	10/5/22 0:18	BRF
trans-1,2-Dichloroethylene	ND	15	12		ND	59	47	300	10/5/22 0:18	BRF
1,2-Dichloropropane	ND	15	8.1		ND	69	38	300	10/5/22 0:18	BRF
cis-1,3-Dichloropropene	ND	15	7.8		ND	68	35	300	10/5/22 0:18	BRF
trans-1,3-Dichloropropene	ND	15	7.7		ND	68	35	300	10/5/22 0:18	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	15	15		ND	100	100	300	10/5/22 0:18	BRF
1,4-Dioxane	ND	150	12		ND	540	45	300	10/5/22 0:18	BRF
Ethanol	ND	600	260	L-03	ND	1100	500	300	10/5/22 0:18	BRF
Ethyl Acetate	ND	150	76		ND	540	270	300	10/5/22 0:18	BRF
Ethylbenzene	ND	15	8.8		ND	65	38	300	10/5/22 0:18	BRF
4-Ethyltoluene	41	15	9.2		200	74	45	300	10/5/22 0:18	BRF
Heptane	ND	15	9.6		ND	61	39	300	10/5/22 0:18	BRF
Hexachlorobutadiene	ND	15	12		ND	160	130	300	10/5/22 0:18	BRF
Hexane	ND	600	78		ND	2100	280	300	10/5/22 0:18	BRF
2-Hexanone (MBK)	ND	15	7.5		ND	61	31	300	10/5/22 0:18	BRF
Isopropanol	ND	600	100		ND	1500	250	300	10/5/22 0:18	BRF
Methyl tert-Butyl Ether (MTBE)	ND	15	12		ND	54	42	300	10/5/22 0:18	BRF
Methylene Chloride	ND	150	70		ND	520	240	300	10/5/22 0:18	BRF
4-Methyl-2-pentanone (MIBK)	ND	15	8.0		ND	61	33	300	10/5/22 0:18	BRF
Naphthalene	ND	15	11		ND	79	59	300	10/5/22 0:18	BRF
Propene	ND	600	130		ND	1000	230	300	10/5/22 0:18	BRF
Styrene	ND	15	7.9		ND	64	34	300	10/5/22 0:18	BRF
1,1,2,2-Tetrachloroethane	ND	15	8.1		ND	100	56	300	10/5/22 0:18	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 9
Sample ID: 22I1802-09
Sample Matrix: Soil Gas
Sampled: 9/26/2022 12:18

Sample Description/Location:
Sub Description/Location:
Canister ID: 2265
Canister Size: 3 liter
Flow Controller ID: 4758
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -4.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	12000	15	11		82000	100	78	300	10/5/22 0:18	BRF
Tetrahydrofuran	120	150	25	J	350	440	73	300	10/5/22 0:18	BRF
Toluene	ND	15	8.6		ND	57	32	300	10/5/22 0:18	BRF
1,2,4-Trichlorobenzene	ND	15	14		ND	110	100	300	10/5/22 0:18	BRF
1,1,1-Trichloroethane	ND	15	12		ND	82	64	300	10/5/22 0:18	BRF
1,1,2-Trichloroethane	ND	15	11		ND	82	58	300	10/5/22 0:18	BRF
Trichloroethylene	260	15	10		1400	81	54	300	10/5/22 0:18	BRF
Trichlorofluoromethane (Freon 11)	ND	60	18		ND	340	100	300	10/5/22 0:18	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	60	17		ND	460	130	300	10/5/22 0:18	BRF
1,2,4-Trimethylbenzene	310	15	6.6		1500	74	33	300	10/5/22 0:18	BRF
1,3,5-Trimethylbenzene	330	15	7.9		1600	74	39	300	10/5/22 0:18	BRF
Vinyl Acetate	ND	300	81		ND	1100	280	300	10/5/22 0:18	BRF
Vinyl Chloride	ND	15	14		ND	38	35	300	10/5/22 0:18	BRF
m&p-Xylene	ND	30	17		ND	130	73	300	10/5/22 0:18	BRF
o-Xylene	10	15	7.7	J	44	65	33	300	10/5/22 0:18	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	110	70-130	10/5/22 0:18

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 10
Sample ID: 22I1802-10
Sample Matrix: Soil Gas
Sampled: 9/26/2022 12:23

Sample Description/Location:
Sub Description/Location:
Canister ID: 2749
Canister Size: 3 liter
Flow Controller ID: 4757
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	80	48		ND	190	110	40	10/5/22 2:19	BRF
Benzene	3.3	2.0	1.5		10	6.4	4.8	40	10/5/22 2:19	BRF
Benzyl chloride	ND	2.0	1.8		ND	10	9.1	40	10/5/22 2:19	BRF
Bromodichloromethane	2.8	2.0	1.4		19	13	9.4	40	10/5/22 2:19	BRF
Bromoform	ND	2.0	1.4		ND	21	14	40	10/5/22 2:19	BRF
Bromomethane	ND	2.0	1.3		ND	7.8	5.2	40	10/5/22 2:19	BRF
1,3-Butadiene	ND	2.0	1.7		ND	4.4	3.7	40	10/5/22 2:19	BRF
2-Butanone (MEK)	ND	80	21		ND	240	63	40	10/5/22 2:19	BRF
Carbon Disulfide	3.8	20	1.8	J	12	62	5.8	40	10/5/22 2:19	BRF
Carbon Tetrachloride	ND	2.0	1.6		ND	13	10	40	10/5/22 2:19	BRF
Chlorobenzene	ND	2.0	1.3		ND	9.2	6.1	40	10/5/22 2:19	BRF
Chloroethane	ND	2.0	1.8		ND	5.3	4.7	40	10/5/22 2:19	BRF
Chloroform	2.2	2.0	1.9		11	9.8	9.3	40	10/5/22 2:19	BRF
Chloromethane	ND	4.0	1.6		ND	8.3	3.3	40	10/5/22 2:19	BRF
Cyclohexane	ND	2.0	1.2		ND	6.9	4.2	40	10/5/22 2:19	BRF
Dibromochloromethane	ND	2.0	1.3		ND	17	11	40	10/5/22 2:19	BRF
1,2-Dibromoethane (EDB)	ND	2.0	1.2		ND	15	9.3	40	10/5/22 2:19	BRF
1,2-Dichlorobenzene	ND	2.0	1.1		ND	12	6.9	40	10/5/22 2:19	BRF
1,3-Dichlorobenzene	ND	2.0	1.1		ND	12	6.7	40	10/5/22 2:19	BRF
1,4-Dichlorobenzene	ND	2.0	1.3		ND	12	7.9	40	10/5/22 2:19	BRF
Dichlorodifluoromethane (Freon 12)	ND	2.0	2.0		ND	9.9	9.7	40	10/5/22 2:19	BRF
1,1-Dichloroethane	ND	2.0	1.7		ND	8.1	7.1	40	10/5/22 2:19	BRF
1,2-Dichloroethane	ND	2.0	1.8		ND	8.1	7.3	40	10/5/22 2:19	BRF
1,1-Dichloroethylene	7.4	2.0	1.5		29	7.9	6.0	40	10/5/22 2:19	BRF
cis-1,2-Dichloroethylene	8400	15	11		33000	59	43	300	10/5/22 3:03	BRF
trans-1,2-Dichloroethylene	84	2.0	1.6		330	7.9	6.2	40	10/5/22 2:19	BRF
1,2-Dichloropropane	ND	2.0	1.1		ND	9.2	5.0	40	10/5/22 2:19	BRF
cis-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.7	40	10/5/22 2:19	BRF
trans-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.6	40	10/5/22 2:19	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	2.0		ND	14	14	40	10/5/22 2:19	BRF
1,4-Dioxane	ND	20	1.7		ND	72	6.0	40	10/5/22 2:19	BRF
Ethanol	ND	80	35	L-03	ND	150	66	40	10/5/22 2:19	BRF
Ethyl Acetate	ND	20	10		ND	72	36	40	10/5/22 2:19	BRF
Ethylbenzene	ND	2.0	1.2		ND	8.7	5.1	40	10/5/22 2:19	BRF
4-Ethyltoluene	ND	2.0	1.2		ND	9.8	6.0	40	10/5/22 2:19	BRF
Heptane	ND	2.0	1.3		ND	8.2	5.2	40	10/5/22 2:19	BRF
Hexachlorobutadiene	ND	2.0	1.6		ND	21	18	40	10/5/22 2:19	BRF
Hexane	ND	80	10		ND	280	37	40	10/5/22 2:19	BRF
2-Hexanone (MBK)	ND	2.0	1.0		ND	8.2	4.1	40	10/5/22 2:19	BRF
Isopropanol	ND	80	14		ND	200	34	40	10/5/22 2:19	BRF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	1.5		ND	7.2	5.6	40	10/5/22 2:19	BRF
Methylene Chloride	ND	20	9.3		ND	69	32	40	10/5/22 2:19	BRF
4-Methyl-2-pentanone (MIBK)	ND	2.0	1.1		ND	8.2	4.4	40	10/5/22 2:19	BRF
Naphthalene	ND	2.0	1.5		ND	10	7.9	40	10/5/22 2:19	BRF
Propene	25	80	18	J	43	140	30	40	10/5/22 2:19	BRF
Styrene	ND	2.0	1.1		ND	8.5	4.5	40	10/5/22 2:19	BRF
1,1,2,2-Tetrachloroethane	ND	2.0	1.1		ND	14	7.4	40	10/5/22 2:19	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 10
Sample ID: 22I1802-10
Sample Matrix: Soil Gas
Sampled: 9/26/2022 12:23

Sample Description/Location:
Sub Description/Location:
Canister ID: 2749
Canister Size: 3 liter
Flow Controller ID: 4757
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	3400	15	11		23000	100	78	300	10/5/22 3:03	BRF
Tetrahydrofuran	68	20	3.3		200	59	9.7	40	10/5/22 2:19	BRF
Toluene	ND	2.0	1.1		ND	7.5	4.3	40	10/5/22 2:19	BRF
1,2,4-Trichlorobenzene	ND	2.0	1.9		ND	15	14	40	10/5/22 2:19	BRF
1,1,1-Trichloroethane	ND	2.0	1.6		ND	11	8.6	40	10/5/22 2:19	BRF
1,1,2-Trichloroethane	ND	2.0	1.4		ND	11	7.7	40	10/5/22 2:19	BRF
Trichloroethylene	320	2.0	1.3		1700	11	7.2	40	10/5/22 2:19	BRF
Trichlorofluoromethane (Freon 11)	ND	8.0	2.4		ND	45	13	40	10/5/22 2:19	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	8.0	2.2		ND	61	17	40	10/5/22 2:19	BRF
1,2,4-Trimethylbenzene	ND	2.0	0.88		ND	9.8	4.3	40	10/5/22 2:19	BRF
1,3,5-Trimethylbenzene	ND	2.0	1.1		ND	9.8	5.2	40	10/5/22 2:19	BRF
Vinyl Acetate	ND	40	11		ND	140	38	40	10/5/22 2:19	BRF
Vinyl Chloride	170	2.0	1.8		440	5.1	4.6	40	10/5/22 2:19	BRF
m&p-Xylene	ND	4.0	2.2		ND	17	9.7	40	10/5/22 2:19	BRF
o-Xylene	ND	2.0	1.0		ND	8.7	4.4	40	10/5/22 2:19	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	108	70-130	10/5/22 3:03
4-Bromofluorobenzene (1)	110	70-130	10/5/22 2:19

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 11
Sample ID: 22I1802-11
Sample Matrix: Soil Gas
Sampled: 9/26/2022 12:46

Sample Description/Location:
Sub Description/Location:
Canister ID: 2417
Canister Size: 3 liter
Flow Controller ID: 4478
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -4.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	60	36		ND	140	86	30	10/3/22 17:08	BRF
Benzene	4.4	1.5	1.1		14	4.8	3.6	30	10/3/22 17:08	BRF
Benzyl chloride	ND	3.0	1.3		ND	16	6.8	30	10/3/22 17:08	BRF
Bromodichloromethane	ND	1.5	1.0		ND	10	7.0	30	10/3/22 17:08	BRF
Bromoform	ND	1.5	1.0		ND	16	11	30	10/3/22 17:08	BRF
Bromomethane	ND	1.5	1.0		ND	5.8	3.9	30	10/3/22 17:08	BRF
1,3-Butadiene	ND	1.5	1.3		ND	3.3	2.8	30	10/3/22 17:08	BRF
2-Butanone (MEK)	ND	60	16		ND	180	47	30	10/3/22 17:08	BRF
Carbon Disulfide	7.2	15	1.4	J	22	47	4.3	30	10/3/22 17:08	BRF
Carbon Tetrachloride	ND	1.5	1.2		ND	9.4	7.5	30	10/3/22 17:08	BRF
Chlorobenzene	ND	1.5	1.0		ND	6.9	4.6	30	10/3/22 17:08	BRF
Chloroethane	ND	1.5	1.3		ND	4.0	3.5	30	10/3/22 17:08	BRF
Chloroform	3.5	1.5	1.4		17	7.3	7.0	30	10/3/22 17:08	BRF
Chloromethane	ND	3.0	1.2		ND	6.2	2.5	30	10/3/22 17:08	BRF
Cyclohexane	380	1.5	0.91		1300	5.2	3.1	30	10/3/22 17:08	BRF
Dibromochloromethane	ND	1.5	0.99		ND	13	8.5	30	10/3/22 17:08	BRF
1,2-Dibromoethane (EDB)	ND	1.5	0.91		ND	12	7.0	30	10/3/22 17:08	BRF
1,2-Dichlorobenzene	ND	1.5	0.86		ND	9.0	5.2	30	10/3/22 17:08	BRF
1,3-Dichlorobenzene	ND	1.5	0.83		ND	9.0	5.0	30	10/3/22 17:08	BRF
1,4-Dichlorobenzene	ND	1.5	0.98		ND	9.0	5.9	30	10/3/22 17:08	BRF
Dichlorodifluoromethane (Freon 12)	ND	1.5	1.5		ND	7.4	7.2	30	10/3/22 17:08	BRF
1,1-Dichloroethane	ND	1.5	1.3		ND	6.1	5.3	30	10/3/22 17:08	BRF
1,2-Dichloroethane	ND	1.5	1.4		ND	6.1	5.5	30	10/3/22 17:08	BRF
1,1-Dichloroethylene	20	1.5	1.1		77	5.9	4.5	30	10/3/22 17:08	BRF
cis-1,2-Dichloroethylene	13000	15	11		52000	59	43	300	10/4/22 16:24	BRF
trans-1,2-Dichloroethylene	89	1.5	1.2		350	5.9	4.7	30	10/3/22 17:08	BRF
1,2-Dichloropropane	ND	1.5	0.81		ND	6.9	3.8	30	10/3/22 17:08	BRF
cis-1,3-Dichloropropene	ND	1.5	0.78		ND	6.8	3.5	30	10/3/22 17:08	BRF
trans-1,3-Dichloropropene	ND	1.5	0.77		ND	6.8	3.5	30	10/3/22 17:08	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.5	1.5		ND	10	10	30	10/3/22 17:08	BRF
1,4-Dioxane	ND	15	1.2		ND	54	4.5	30	10/3/22 17:08	BRF
Ethanol	ND	60	26		ND	110	50	30	10/3/22 17:08	BRF
Ethyl Acetate	ND	15	7.6		ND	54	27	30	10/3/22 17:08	BRF
Ethylbenzene	8.6	1.5	0.88		37	6.5	3.8	30	10/3/22 17:08	BRF
4-Ethyltoluene	90	1.5	0.92		440	7.4	4.5	30	10/3/22 17:08	BRF
Heptane	210	1.5	0.96		850	6.1	3.9	30	10/3/22 17:08	BRF
Hexachlorobutadiene	ND	1.5	1.2	L-03	ND	16	13	30	10/3/22 17:08	BRF
Hexane	260	60	7.8		920	210	28	30	10/3/22 17:08	BRF
2-Hexanone (MBK)	ND	1.5	0.75		ND	6.1	3.1	30	10/3/22 17:08	BRF
Isopropanol	ND	60	10		ND	150	25	30	10/3/22 17:08	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.5	1.2		ND	5.4	4.2	30	10/3/22 17:08	BRF
Methylene Chloride	ND	15	7.0		ND	52	24	30	10/3/22 17:08	BRF
4-Methyl-2-pentanone (MIBK)	ND	1.5	0.80		ND	6.1	3.3	30	10/3/22 17:08	BRF
Naphthalene	ND	1.5	1.1	L-03	ND	7.9	5.9	30	10/3/22 17:08	BRF
Propene	38	60	13	J	65	100	23	30	10/3/22 17:08	BRF
Styrene	ND	1.5	0.79		ND	6.4	3.4	30	10/3/22 17:08	BRF
1,1,2,2-Tetrachloroethane	ND	1.5	0.81		ND	10	5.6	30	10/3/22 17:08	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 11
Sample ID: 22I1802-11
Sample Matrix: Soil Gas
Sampled: 9/26/2022 12:46

Sample Description/Location:
Sub Description/Location:
Canister ID: 2417
Canister Size: 3 liter
Flow Controller ID: 4478
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -4.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	61000	300	230		410000	2000	1600	6000	10/4/22 16:52	BRF
Tetrahydrofuran	180	15	2.5		530	44	7.3	30	10/3/22 17:08	BRF
Toluene	9.9	1.5	0.86		37	5.7	3.2	30	10/3/22 17:08	BRF
1,2,4-Trichlorobenzene	ND	1.5	1.4		ND	11	10	30	10/3/22 17:08	BRF
1,1,1-Trichloroethane	ND	1.5	1.2		ND	8.2	6.4	30	10/3/22 17:08	BRF
1,1,2-Trichloroethane	ND	1.5	1.1		ND	8.2	5.8	30	10/3/22 17:08	BRF
Trichloroethylene	2700	15	10		14000	81	54	300	10/4/22 16:24	BRF
Trichlorofluoromethane (Freon 11)	ND	6.0	1.8		ND	34	10.0	30	10/3/22 17:08	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	6.0	1.7		ND	46	13	30	10/3/22 17:08	BRF
1,2,4-Trimethylbenzene	210	1.5	0.66		1000	7.4	3.3	30	10/3/22 17:08	BRF
1,3,5-Trimethylbenzene	480	1.5	0.79		2400	7.4	3.9	30	10/3/22 17:08	BRF
Vinyl Acetate	ND	30	8.1		ND	110	28	30	10/3/22 17:08	BRF
Vinyl Chloride	91	1.5	1.4		230	3.8	3.5	30	10/3/22 17:08	BRF
m&p-Xylene	39	3.0	1.7		170	13	7.3	30	10/3/22 17:08	BRF
o-Xylene	43	1.5	0.77		190	6.5	3.3	30	10/3/22 17:08	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	86.0	70-130	10/4/22 16:52
4-Bromofluorobenzene (1)	95.9	70-130	10/4/22 16:24
4-Bromofluorobenzene (1)	100	70-130	10/3/22 17:08

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 12
Sample ID: 22I1802-12
Sample Matrix: Soil Gas
Sampled: 9/26/2022 12:48

Sample Description/Location:
Sub Description/Location:
Canister ID: 2752
Canister Size: 3 liter
Flow Controller ID: 4477
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	60	36		ND	140	86	30	10/3/22 17:36	BRF
Benzene	ND	1.5	1.1		ND	4.8	3.6	30	10/3/22 17:36	BRF
Benzyl chloride	ND	3.0	1.3		ND	16	6.8	30	10/3/22 17:36	BRF
Bromodichloromethane	ND	1.5	1.0		ND	10	7.0	30	10/3/22 17:36	BRF
Bromoform	ND	1.5	1.0		ND	16	11	30	10/3/22 17:36	BRF
Bromomethane	ND	1.5	1.0		ND	5.8	3.9	30	10/3/22 17:36	BRF
1,3-Butadiene	ND	1.5	1.3		ND	3.3	2.8	30	10/3/22 17:36	BRF
2-Butanone (MEK)	ND	60	16		ND	180	47	30	10/3/22 17:36	BRF
Carbon Disulfide	ND	15	1.4		ND	47	4.3	30	10/3/22 17:36	BRF
Carbon Tetrachloride	ND	1.5	1.2		ND	9.4	7.5	30	10/3/22 17:36	BRF
Chlorobenzene	ND	1.5	1.0		ND	6.9	4.6	30	10/3/22 17:36	BRF
Chloroethane	ND	1.5	1.3		ND	4.0	3.5	30	10/3/22 17:36	BRF
Chloroform	ND	1.5	1.4		ND	7.3	7.0	30	10/3/22 17:36	BRF
Chloromethane	ND	3.0	1.2		ND	6.2	2.5	30	10/3/22 17:36	BRF
Cyclohexane	61	1.5	0.91		210	5.2	3.1	30	10/3/22 17:36	BRF
Dibromochloromethane	ND	1.5	0.99		ND	13	8.5	30	10/3/22 17:36	BRF
1,2-Dibromoethane (EDB)	ND	1.5	0.91		ND	12	7.0	30	10/3/22 17:36	BRF
1,2-Dichlorobenzene	ND	1.5	0.86		ND	9.0	5.2	30	10/3/22 17:36	BRF
1,3-Dichlorobenzene	ND	1.5	0.83		ND	9.0	5.0	30	10/3/22 17:36	BRF
1,4-Dichlorobenzene	ND	1.5	0.98		ND	9.0	5.9	30	10/3/22 17:36	BRF
Dichlorodifluoromethane (Freon 12)	ND	1.5	1.5		ND	7.4	7.2	30	10/3/22 17:36	BRF
1,1-Dichloroethane	ND	1.5	1.3		ND	6.1	5.3	30	10/3/22 17:36	BRF
1,2-Dichloroethane	ND	1.5	1.4		ND	6.1	5.5	30	10/3/22 17:36	BRF
1,1-Dichloroethylene	ND	1.5	1.1		ND	5.9	4.5	30	10/3/22 17:36	BRF
cis-1,2-Dichloroethylene	400	1.5	1.1		1600	5.9	4.3	30	10/3/22 17:36	BRF
trans-1,2-Dichloroethylene	1.7	1.5	1.2		6.8	5.9	4.7	30	10/3/22 17:36	BRF
1,2-Dichloropropane	ND	1.5	0.81		ND	6.9	3.8	30	10/3/22 17:36	BRF
cis-1,3-Dichloropropene	ND	1.5	0.78		ND	6.8	3.5	30	10/3/22 17:36	BRF
trans-1,3-Dichloropropene	ND	1.5	0.77		ND	6.8	3.5	30	10/3/22 17:36	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.5	1.5		ND	10	10	30	10/3/22 17:36	BRF
1,4-Dioxane	ND	15	1.2		ND	54	4.5	30	10/3/22 17:36	BRF
Ethanol	ND	60	26		ND	110	50	30	10/3/22 17:36	BRF
Ethyl Acetate	ND	15	7.6		ND	54	27	30	10/3/22 17:36	BRF
Ethylbenzene	ND	1.5	0.88		ND	6.5	3.8	30	10/3/22 17:36	BRF
4-Ethyltoluene	10	1.5	0.92		50	7.4	4.5	30	10/3/22 17:36	BRF
Heptane	8.1	1.5	0.96		33	6.1	3.9	30	10/3/22 17:36	BRF
Hexachlorobutadiene	ND	1.5	1.2	L-03	ND	16	13	30	10/3/22 17:36	BRF
Hexane	30	60	7.8	J	110	210	28	30	10/3/22 17:36	BRF
2-Hexanone (MBK)	ND	1.5	0.75		ND	6.1	3.1	30	10/3/22 17:36	BRF
Isopropanol	ND	60	10		ND	150	25	30	10/3/22 17:36	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.5	1.2		ND	5.4	4.2	30	10/3/22 17:36	BRF
Methylene Chloride	ND	15	7.0		ND	52	24	30	10/3/22 17:36	BRF
4-Methyl-2-pentanone (MIBK)	ND	1.5	0.80		ND	6.1	3.3	30	10/3/22 17:36	BRF
Naphthalene	ND	1.5	1.1	L-03	ND	7.9	5.9	30	10/3/22 17:36	BRF
Propene	ND	60	13		ND	100	23	30	10/3/22 17:36	BRF
Styrene	ND	1.5	0.79		ND	6.4	3.4	30	10/3/22 17:36	BRF
1,1,2,2-Tetrachloroethane	ND	1.5	0.81		ND	10	5.6	30	10/3/22 17:36	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 12
Sample ID: 22I1802-12
Sample Matrix: Soil Gas
Sampled: 9/26/2022 12:48

Sample Description/Location:
Sub Description/Location:
Canister ID: 2752
Canister Size: 3 liter
Flow Controller ID: 4477
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	23000	60	46		160000	410	310	1200	10/4/22 17:20	BRF
Tetrahydrofuran	110	15	2.5		310	44	7.3	30	10/3/22 17:36	BRF
Toluene	1.8	1.5	0.86		6.9	5.7	3.2	30	10/3/22 17:36	BRF
1,2,4-Trichlorobenzene	ND	1.5	1.4		ND	11	10	30	10/3/22 17:36	BRF
1,1,1-Trichloroethane	ND	1.5	1.2		ND	8.2	6.4	30	10/3/22 17:36	BRF
1,1,2-Trichloroethane	ND	1.5	1.1		ND	8.2	5.8	30	10/3/22 17:36	BRF
Trichloroethylene	480	1.5	1.0		2600	8.1	5.4	30	10/3/22 17:36	BRF
Trichlorofluoromethane (Freon 11)	ND	6.0	1.8		ND	34	10.0	30	10/3/22 17:36	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	6.0	1.7		ND	46	13	30	10/3/22 17:36	BRF
1,2,4-Trimethylbenzene	79	1.5	0.66		390	7.4	3.3	30	10/3/22 17:36	BRF
1,3,5-Trimethylbenzene	95	1.5	0.79		470	7.4	3.9	30	10/3/22 17:36	BRF
Vinyl Acetate	ND	30	8.1		ND	110	28	30	10/3/22 17:36	BRF
Vinyl Chloride	ND	1.5	1.4		ND	3.8	3.5	30	10/3/22 17:36	BRF
m&p-Xylene	3.6	3.0	1.7		16	13	7.3	30	10/3/22 17:36	BRF
o-Xylene	3.8	1.5	0.77		17	6.5	3.3	30	10/3/22 17:36	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	85.1	70-130	10/4/22 17:20
4-Bromofluorobenzene (1)	98.3	70-130	10/3/22 17:36

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 13
Sample ID: 22I1802-13
Sample Matrix: Soil Gas
Sampled: 9/26/2022 12:52

Sample Description/Location:
Sub Description/Location:
Canister ID: 2605
Canister Size: 3 liter
Flow Controller ID: 4461
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	60	36		ND	140	86	30	10/3/22 18:05	BRF
Benzene	4.0	1.5	1.1		13	4.8	3.6	30	10/3/22 18:05	BRF
Benzyl chloride	ND	3.0	1.3		ND	16	6.8	30	10/3/22 18:05	BRF
Bromodichloromethane	ND	1.5	1.0		ND	10	7.0	30	10/3/22 18:05	BRF
Bromoform	ND	1.5	1.0		ND	16	11	30	10/3/22 18:05	BRF
Bromomethane	ND	1.5	1.0		ND	5.8	3.9	30	10/3/22 18:05	BRF
1,3-Butadiene	ND	1.5	1.3		ND	3.3	2.8	30	10/3/22 18:05	BRF
2-Butanone (MEK)	ND	60	16		ND	180	47	30	10/3/22 18:05	BRF
Carbon Disulfide	3.9	15	1.4	J	12	47	4.3	30	10/3/22 18:05	BRF
Carbon Tetrachloride	ND	1.5	1.2		ND	9.4	7.5	30	10/3/22 18:05	BRF
Chlorobenzene	ND	1.5	1.0		ND	6.9	4.6	30	10/3/22 18:05	BRF
Chloroethane	ND	1.5	1.3		ND	4.0	3.5	30	10/3/22 18:05	BRF
Chloroform	10	1.5	1.4		50	7.3	7.0	30	10/3/22 18:05	BRF
Chloromethane	ND	3.0	1.2		ND	6.2	2.5	30	10/3/22 18:05	BRF
Cyclohexane	2000	15	9.1		6800	52	31	300	10/4/22 17:50	BRF
Dibromochloromethane	ND	1.5	0.99		ND	13	8.5	30	10/3/22 18:05	BRF
1,2-Dibromoethane (EDB)	ND	1.5	0.91		ND	12	7.0	30	10/3/22 18:05	BRF
1,2-Dichlorobenzene	ND	1.5	0.86		ND	9.0	5.2	30	10/3/22 18:05	BRF
1,3-Dichlorobenzene	ND	1.5	0.83		ND	9.0	5.0	30	10/3/22 18:05	BRF
1,4-Dichlorobenzene	ND	1.5	0.98		ND	9.0	5.9	30	10/3/22 18:05	BRF
Dichlorodifluoromethane (Freon 12)	ND	1.5	1.5		ND	7.4	7.2	30	10/3/22 18:05	BRF
1,1-Dichloroethane	ND	1.5	1.3		ND	6.1	5.3	30	10/3/22 18:05	BRF
1,2-Dichloroethane	ND	1.5	1.4		ND	6.1	5.5	30	10/3/22 18:05	BRF
1,1-Dichloroethylene	16	1.5	1.1		62	5.9	4.5	30	10/3/22 18:05	BRF
cis-1,2-Dichloroethylene	3900	15	11		16000	59	43	300	10/4/22 17:50	BRF
trans-1,2-Dichloroethylene	20	1.5	1.2		79	5.9	4.7	30	10/3/22 18:05	BRF
1,2-Dichloropropane	ND	1.5	0.81		ND	6.9	3.8	30	10/3/22 18:05	BRF
cis-1,3-Dichloropropene	ND	1.5	0.78		ND	6.8	3.5	30	10/3/22 18:05	BRF
trans-1,3-Dichloropropene	ND	1.5	0.77		ND	6.8	3.5	30	10/3/22 18:05	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.5	1.5		ND	10	10	30	10/3/22 18:05	BRF
1,4-Dioxane	ND	15	1.2		ND	54	4.5	30	10/3/22 18:05	BRF
Ethanol	ND	60	26		ND	110	50	30	10/3/22 18:05	BRF
Ethyl Acetate	ND	15	7.6		ND	54	27	30	10/3/22 18:05	BRF
Ethylbenzene	ND	1.5	0.88		ND	6.5	3.8	30	10/3/22 18:05	BRF
4-Ethyltoluene	44	1.5	0.92		220	7.4	4.5	30	10/3/22 18:05	BRF
Heptane	1200	1.5	0.96		4800	6.1	3.9	30	10/3/22 18:05	BRF
Hexachlorobutadiene	ND	1.5	1.2	L-03	ND	16	13	30	10/3/22 18:05	BRF
Hexane	1700	600	78		6000	2100	280	300	10/4/22 17:50	BRF
2-Hexanone (MBK)	ND	1.5	0.75		ND	6.1	3.1	30	10/3/22 18:05	BRF
Isopropanol	ND	60	10		ND	150	25	30	10/3/22 18:05	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.5	1.2		ND	5.4	4.2	30	10/3/22 18:05	BRF
Methylene Chloride	ND	15	7.0		ND	52	24	30	10/3/22 18:05	BRF
4-Methyl-2-pentanone (MIBK)	ND	1.5	0.80		ND	6.1	3.3	30	10/3/22 18:05	BRF
Naphthalene	ND	1.5	1.1	L-03	ND	7.9	5.9	30	10/3/22 18:05	BRF
Propene	ND	60	13		ND	100	23	30	10/3/22 18:05	BRF
Styrene	ND	1.5	0.79		ND	6.4	3.4	30	10/3/22 18:05	BRF
1,1,2,2-Tetrachloroethane	ND	1.5	0.81		ND	10	5.6	30	10/3/22 18:05	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 13
Sample ID: 22I1802-13
Sample Matrix: Soil Gas
Sampled: 9/26/2022 12:52

Sample Description/Location:
Sub Description/Location:
Canister ID: 2605
Canister Size: 3 liter
Flow Controller ID: 4461
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	8300	15	11		56000	100	78	300	10/4/22 17:50	BRF
Tetrahydrofuran	270	15	2.5		790	44	7.3	30	10/3/22 18:05	BRF
Toluene	5.2	1.5	0.86		20	5.7	3.2	30	10/3/22 18:05	BRF
1,2,4-Trichlorobenzene	ND	1.5	1.4		ND	11	10	30	10/3/22 18:05	BRF
1,1,1-Trichloroethane	ND	1.5	1.2		ND	8.2	6.4	30	10/3/22 18:05	BRF
1,1,2-Trichloroethane	ND	1.5	1.1		ND	8.2	5.8	30	10/3/22 18:05	BRF
Trichloroethylene	510	1.5	1.0		2700	8.1	5.4	30	10/3/22 18:05	BRF
Trichlorofluoromethane (Freon 11)	ND	6.0	1.8		ND	34	10.0	30	10/3/22 18:05	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	6.0	1.7		ND	46	13	30	10/3/22 18:05	BRF
1,2,4-Trimethylbenzene	190	1.5	0.66		920	7.4	3.3	30	10/3/22 18:05	BRF
1,3,5-Trimethylbenzene	190	1.5	0.79		950	7.4	3.9	30	10/3/22 18:05	BRF
Vinyl Acetate	ND	30	8.1		ND	110	28	30	10/3/22 18:05	BRF
Vinyl Chloride	3.4	1.5	1.4		8.6	3.8	3.5	30	10/3/22 18:05	BRF
m&p-Xylene	12	3.0	1.7		52	13	7.3	30	10/3/22 18:05	BRF
o-Xylene	10	1.5	0.77		45	6.5	3.3	30	10/3/22 18:05	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	94.4	70-130	10/4/22 17:50
4-Bromofluorobenzene (1)	99.4	70-130	10/3/22 18:05

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 14
Sample ID: 22I1802-14
Sample Matrix: Soil Gas
Sampled: 9/26/2022 12:56

Sample Description/Location:
Sub Description/Location:
Canister ID: 2602
Canister Size: 3 liter
Flow Controller ID: 4462
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	60	36		ND	140	86	30	10/3/22 18:34	BRF
Benzene	ND	1.5	1.1		ND	4.8	3.6	30	10/3/22 18:34	BRF
Benzyl chloride	ND	3.0	1.3		ND	16	6.8	30	10/3/22 18:34	BRF
Bromodichloromethane	ND	1.5	1.0		ND	10	7.0	30	10/3/22 18:34	BRF
Bromoform	ND	1.5	1.0		ND	16	11	30	10/3/22 18:34	BRF
Bromomethane	ND	1.5	1.0		ND	5.8	3.9	30	10/3/22 18:34	BRF
1,3-Butadiene	ND	1.5	1.3		ND	3.3	2.8	30	10/3/22 18:34	BRF
2-Butanone (MEK)	ND	60	16		ND	180	47	30	10/3/22 18:34	BRF
Carbon Disulfide	8.1	15	1.4	J	25	47	4.3	30	10/3/22 18:34	BRF
Carbon Tetrachloride	ND	1.5	1.2		ND	9.4	7.5	30	10/3/22 18:34	BRF
Chlorobenzene	ND	1.5	1.0		ND	6.9	4.6	30	10/3/22 18:34	BRF
Chloroethane	ND	1.5	1.3		ND	4.0	3.5	30	10/3/22 18:34	BRF
Chloroform	ND	1.5	1.4		ND	7.3	7.0	30	10/3/22 18:34	BRF
Chloromethane	ND	3.0	1.2		ND	6.2	2.5	30	10/3/22 18:34	BRF
Cyclohexane	94	1.5	0.91		320	5.2	3.1	30	10/3/22 18:34	BRF
Dibromochloromethane	ND	1.5	0.99		ND	13	8.5	30	10/3/22 18:34	BRF
1,2-Dibromoethane (EDB)	ND	1.5	0.91		ND	12	7.0	30	10/3/22 18:34	BRF
1,2-Dichlorobenzene	ND	1.5	0.86		ND	9.0	5.2	30	10/3/22 18:34	BRF
1,3-Dichlorobenzene	ND	1.5	0.83		ND	9.0	5.0	30	10/3/22 18:34	BRF
1,4-Dichlorobenzene	ND	1.5	0.98		ND	9.0	5.9	30	10/3/22 18:34	BRF
Dichlorodifluoromethane (Freon 12)	ND	1.5	1.5		ND	7.4	7.2	30	10/3/22 18:34	BRF
1,1-Dichloroethane	ND	1.5	1.3		ND	6.1	5.3	30	10/3/22 18:34	BRF
1,2-Dichloroethane	ND	1.5	1.4		ND	6.1	5.5	30	10/3/22 18:34	BRF
1,1-Dichloroethylene	8.0	1.5	1.1		32	5.9	4.5	30	10/3/22 18:34	BRF
cis-1,2-Dichloroethylene	2800	15	11		11000	59	43	300	10/4/22 18:47	BRF
trans-1,2-Dichloroethylene	3.1	1.5	1.2		12	5.9	4.7	30	10/3/22 18:34	BRF
1,2-Dichloropropane	ND	1.5	0.81		ND	6.9	3.8	30	10/3/22 18:34	BRF
cis-1,3-Dichloropropene	ND	1.5	0.78		ND	6.8	3.5	30	10/3/22 18:34	BRF
trans-1,3-Dichloropropene	ND	1.5	0.77		ND	6.8	3.5	30	10/3/22 18:34	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.5	1.5		ND	10	10	30	10/3/22 18:34	BRF
1,4-Dioxane	ND	15	1.2		ND	54	4.5	30	10/3/22 18:34	BRF
Ethanol	ND	60	26		ND	110	50	30	10/3/22 18:34	BRF
Ethyl Acetate	ND	15	7.6		ND	54	27	30	10/3/22 18:34	BRF
Ethylbenzene	ND	1.5	0.88		ND	6.5	3.8	30	10/3/22 18:34	BRF
4-Ethyltoluene	30	1.5	0.92		150	7.4	4.5	30	10/3/22 18:34	BRF
Heptane	350	1.5	0.96		1400	6.1	3.9	30	10/3/22 18:34	BRF
Hexachlorobutadiene	ND	1.5	1.2	L-03	ND	16	13	30	10/3/22 18:34	BRF
Hexane	110	60	7.8		380	210	28	30	10/3/22 18:34	BRF
2-Hexanone (MBK)	ND	1.5	0.75		ND	6.1	3.1	30	10/3/22 18:34	BRF
Isopropanol	ND	60	10		ND	150	25	30	10/3/22 18:34	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.5	1.2		ND	5.4	4.2	30	10/3/22 18:34	BRF
Methylene Chloride	ND	15	7.0		ND	52	24	30	10/3/22 18:34	BRF
4-Methyl-2-pentanone (MIBK)	ND	1.5	0.80		ND	6.1	3.3	30	10/3/22 18:34	BRF
Naphthalene	ND	1.5	1.1	L-03	ND	7.9	5.9	30	10/3/22 18:34	BRF
Propene	18	60	13	J	31	100	23	30	10/3/22 18:34	BRF
Styrene	ND	1.5	0.79		ND	6.4	3.4	30	10/3/22 18:34	BRF
1,1,2,2-Tetrachloroethane	ND	1.5	0.81		ND	10	5.6	30	10/3/22 18:34	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 14
Sample ID: 22I1802-14
Sample Matrix: Soil Gas
Sampled: 9/26/2022 12:56

Sample Description/Location:
Sub Description/Location:
Canister ID: 2602
Canister Size: 3 liter
Flow Controller ID: 4462
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	21000	60	46		140000	410	310	1200	10/4/22 19:14	BRF
Tetrahydrofuran	79	15	2.5		230	44	7.3	30	10/3/22 18:34	BRF
Toluene	1.8	1.5	0.86		6.7	5.7	3.2	30	10/3/22 18:34	BRF
1,2,4-Trichlorobenzene	ND	1.5	1.4		ND	11	10	30	10/3/22 18:34	BRF
1,1,1-Trichloroethane	ND	1.5	1.2		ND	8.2	6.4	30	10/3/22 18:34	BRF
1,1,2-Trichloroethane	ND	1.5	1.1		ND	8.2	5.8	30	10/3/22 18:34	BRF
Trichloroethylene	1200	1.5	1.0		6500	8.1	5.4	30	10/3/22 18:34	BRF
Trichlorofluoromethane (Freon 11)	ND	6.0	1.8		ND	34	10.0	30	10/3/22 18:34	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	6.0	1.7		ND	46	13	30	10/3/22 18:34	BRF
1,2,4-Trimethylbenzene	250	1.5	0.66		1200	7.4	3.3	30	10/3/22 18:34	BRF
1,3,5-Trimethylbenzene	240	1.5	0.79		1200	7.4	3.9	30	10/3/22 18:34	BRF
Vinyl Acetate	ND	30	8.1		ND	110	28	30	10/3/22 18:34	BRF
Vinyl Chloride	ND	1.5	1.4		ND	3.8	3.5	30	10/3/22 18:34	BRF
m&p-Xylene	ND	3.0	1.7		ND	13	7.3	30	10/3/22 18:34	BRF
o-Xylene	ND	1.5	0.77		ND	6.5	3.3	30	10/3/22 18:34	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	94.3	70-130	10/4/22 18:47
4-Bromofluorobenzene (1)	87.8	70-130	10/4/22 19:14
4-Bromofluorobenzene (1)	99.0	70-130	10/3/22 18:34

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 15
Sample ID: 22I1802-15
Sample Matrix: Soil Gas
Sampled: 9/26/2022 13:37

Sample Description/Location:
Sub Description/Location:
Canister ID: 2419
Canister Size: 3 liter
Flow Controller ID: 4509
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	82	60	36		190	140	86	30	10/3/22 19:02	BRF
Benzene	ND	1.5	1.1		ND	4.8	3.6	30	10/3/22 19:02	BRF
Benzyl chloride	ND	3.0	1.3		ND	16	6.8	30	10/3/22 19:02	BRF
Bromodichloromethane	ND	1.5	1.0		ND	10	7.0	30	10/3/22 19:02	BRF
Bromoform	ND	1.5	1.0		ND	16	11	30	10/3/22 19:02	BRF
Bromomethane	ND	1.5	1.0		ND	5.8	3.9	30	10/3/22 19:02	BRF
1,3-Butadiene	ND	1.5	1.3		ND	3.3	2.8	30	10/3/22 19:02	BRF
2-Butanone (MEK)	32	60	16	J	93	180	47	30	10/3/22 19:02	BRF
Carbon Disulfide	ND	15	1.4		ND	47	4.3	30	10/3/22 19:02	BRF
Carbon Tetrachloride	ND	1.5	1.2		ND	9.4	7.5	30	10/3/22 19:02	BRF
Chlorobenzene	ND	1.5	1.0		ND	6.9	4.6	30	10/3/22 19:02	BRF
Chloroethane	ND	1.5	1.3		ND	4.0	3.5	30	10/3/22 19:02	BRF
Chloroform	ND	1.5	1.4		ND	7.3	7.0	30	10/3/22 19:02	BRF
Chloromethane	ND	3.0	1.2		ND	6.2	2.5	30	10/3/22 19:02	BRF
Cyclohexane	3.0	1.5	0.91		10	5.2	3.1	30	10/3/22 19:02	BRF
Dibromochloromethane	ND	1.5	0.99		ND	13	8.5	30	10/3/22 19:02	BRF
1,2-Dibromoethane (EDB)	ND	1.5	0.91		ND	12	7.0	30	10/3/22 19:02	BRF
1,2-Dichlorobenzene	ND	1.5	0.86		ND	9.0	5.2	30	10/3/22 19:02	BRF
1,3-Dichlorobenzene	ND	1.5	0.83		ND	9.0	5.0	30	10/3/22 19:02	BRF
1,4-Dichlorobenzene	ND	1.5	0.98		ND	9.0	5.9	30	10/3/22 19:02	BRF
Dichlorodifluoromethane (Freon 12)	ND	1.5	1.5		ND	7.4	7.2	30	10/3/22 19:02	BRF
1,1-Dichloroethane	ND	1.5	1.3		ND	6.1	5.3	30	10/3/22 19:02	BRF
1,2-Dichloroethane	ND	1.5	1.4		ND	6.1	5.5	30	10/3/22 19:02	BRF
1,1-Dichloroethylene	3.6	1.5	1.1		14	5.9	4.5	30	10/3/22 19:02	BRF
cis-1,2-Dichloroethylene	3600	60	44		14000	240	170	1200	10/4/22 19:42	BRF
trans-1,2-Dichloroethylene	5.8	1.5	1.2		23	5.9	4.7	30	10/3/22 19:02	BRF
1,2-Dichloropropane	ND	1.5	0.81		ND	6.9	3.8	30	10/3/22 19:02	BRF
cis-1,3-Dichloropropene	ND	1.5	0.78		ND	6.8	3.5	30	10/3/22 19:02	BRF
trans-1,3-Dichloropropene	ND	1.5	0.77		ND	6.8	3.5	30	10/3/22 19:02	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.5	1.5		ND	10	10	30	10/3/22 19:02	BRF
1,4-Dioxane	ND	15	1.2		ND	54	4.5	30	10/3/22 19:02	BRF
Ethanol	ND	60	26		ND	110	50	30	10/3/22 19:02	BRF
Ethyl Acetate	ND	15	7.6		ND	54	27	30	10/3/22 19:02	BRF
Ethylbenzene	ND	1.5	0.88		ND	6.5	3.8	30	10/3/22 19:02	BRF
4-Ethyltoluene	16	1.5	0.92		79	7.4	4.5	30	10/3/22 19:02	BRF
Heptane	ND	1.5	0.96		ND	6.1	3.9	30	10/3/22 19:02	BRF
Hexachlorobutadiene	ND	1.5	1.2	L-03	ND	16	13	30	10/3/22 19:02	BRF
Hexane	ND	60	7.8		ND	210	28	30	10/3/22 19:02	BRF
2-Hexanone (MBK)	ND	1.5	0.75		ND	6.1	3.1	30	10/3/22 19:02	BRF
Isopropanol	ND	60	10		ND	150	25	30	10/3/22 19:02	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.5	1.2		ND	5.4	4.2	30	10/3/22 19:02	BRF
Methylene Chloride	ND	15	7.0		ND	52	24	30	10/3/22 19:02	BRF
4-Methyl-2-pentanone (MIBK)	ND	1.5	0.80		ND	6.1	3.3	30	10/3/22 19:02	BRF
Naphthalene	ND	1.5	1.1	L-03	ND	7.9	5.9	30	10/3/22 19:02	BRF
Propene	23	60	13	J	40	100	23	30	10/3/22 19:02	BRF
Styrene	ND	1.5	0.79		ND	6.4	3.4	30	10/3/22 19:02	BRF
1,1,2,2-Tetrachloroethane	ND	1.5	0.81		ND	10	5.6	30	10/3/22 19:02	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 15
Sample ID: 22I1802-15
Sample Matrix: Soil Gas
Sampled: 9/26/2022 13:37

Sample Description/Location:
Sub Description/Location:
Canister ID: 2419
Canister Size: 3 liter
Flow Controller ID: 4509
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	6700	60	46		46000	410	310	1200	10/4/22 19:42	BRF
Tetrahydrofuran	270	15	2.5		780	44	7.3	30	10/3/22 19:02	BRF
Toluene	2.2	1.5	0.86		8.3	5.7	3.2	30	10/3/22 19:02	BRF
1,2,4-Trichlorobenzene	ND	1.5	1.4		ND	11	10	30	10/3/22 19:02	BRF
1,1,1-Trichloroethane	ND	1.5	1.2		ND	8.2	6.4	30	10/3/22 19:02	BRF
1,1,2-Trichloroethane	ND	1.5	1.1		ND	8.2	5.8	30	10/3/22 19:02	BRF
Trichloroethylene	1200	1.5	1.0		6600	8.1	5.4	30	10/3/22 19:02	BRF
Trichlorofluoromethane (Freon 11)	ND	6.0	1.8		ND	34	10.0	30	10/3/22 19:02	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	6.0	1.7		ND	46	13	30	10/3/22 19:02	BRF
1,2,4-Trimethylbenzene	43	1.5	0.66		210	7.4	3.3	30	10/3/22 19:02	BRF
1,3,5-Trimethylbenzene	310	1.5	0.79		1500	7.4	3.9	30	10/3/22 19:02	BRF
Vinyl Acetate	ND	30	8.1		ND	110	28	30	10/3/22 19:02	BRF
Vinyl Chloride	6.2	1.5	1.4		16	3.8	3.5	30	10/3/22 19:02	BRF
m&p-Xylene	12	3.0	1.7		53	13	7.3	30	10/3/22 19:02	BRF
o-Xylene	28	1.5	0.77		120	6.5	3.3	30	10/3/22 19:02	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	99.4	70-130	10/3/22 19:02
4-Bromofluorobenzene (1)	87.8	70-130	10/4/22 19:42

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 15 Duplicate
Sample ID: 22I1802-16
Sample Matrix: Soil Gas
Sampled: 9/26/2022 13:37

Sample Description/Location:
Sub Description/Location:
Canister ID: 2761
Canister Size: 3 liter
Flow Controller ID: 4505
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	85	60	36		200	140	86	30	10/3/22 19:31	BRF
Benzene	ND	1.5	1.1		ND	4.8	3.6	30	10/3/22 19:31	BRF
Benzyl chloride	ND	3.0	1.3		ND	16	6.8	30	10/3/22 19:31	BRF
Bromodichloromethane	ND	1.5	1.0		ND	10	7.0	30	10/3/22 19:31	BRF
Bromoform	ND	1.5	1.0		ND	16	11	30	10/3/22 19:31	BRF
Bromomethane	ND	1.5	1.0		ND	5.8	3.9	30	10/3/22 19:31	BRF
1,3-Butadiene	ND	1.5	1.3		ND	3.3	2.8	30	10/3/22 19:31	BRF
2-Butanone (MEK)	33	60	16	J	96	180	47	30	10/3/22 19:31	BRF
Carbon Disulfide	ND	15	1.4		ND	47	4.3	30	10/3/22 19:31	BRF
Carbon Tetrachloride	ND	1.5	1.2		ND	9.4	7.5	30	10/3/22 19:31	BRF
Chlorobenzene	ND	1.5	1.0		ND	6.9	4.6	30	10/3/22 19:31	BRF
Chloroethane	ND	1.5	1.3		ND	4.0	3.5	30	10/3/22 19:31	BRF
Chloroform	ND	1.5	1.4		ND	7.3	7.0	30	10/3/22 19:31	BRF
Chloromethane	2.3	3.0	1.2	J	4.7	6.2	2.5	30	10/3/22 19:31	BRF
Cyclohexane	ND	1.5	0.91		ND	5.2	3.1	30	10/3/22 19:31	BRF
Dibromochloromethane	ND	1.5	0.99		ND	13	8.5	30	10/3/22 19:31	BRF
1,2-Dibromoethane (EDB)	ND	1.5	0.91		ND	12	7.0	30	10/3/22 19:31	BRF
1,2-Dichlorobenzene	ND	1.5	0.86		ND	9.0	5.2	30	10/3/22 19:31	BRF
1,3-Dichlorobenzene	ND	1.5	0.83		ND	9.0	5.0	30	10/3/22 19:31	BRF
1,4-Dichlorobenzene	ND	1.5	0.98		ND	9.0	5.9	30	10/3/22 19:31	BRF
Dichlorodifluoromethane (Freon 12)	ND	1.5	1.5		ND	7.4	7.2	30	10/3/22 19:31	BRF
1,1-Dichloroethane	ND	1.5	1.3		ND	6.1	5.3	30	10/3/22 19:31	BRF
1,2-Dichloroethane	ND	1.5	1.4		ND	6.1	5.5	30	10/3/22 19:31	BRF
1,1-Dichloroethylene	3.9	1.5	1.1		15	5.9	4.5	30	10/3/22 19:31	BRF
cis-1,2-Dichloroethylene	3600	60	44		14000	240	170	1200	10/4/22 20:09	BRF
trans-1,2-Dichloroethylene	3.9	1.5	1.2		16	5.9	4.7	30	10/3/22 19:31	BRF
1,2-Dichloropropane	ND	1.5	0.81		ND	6.9	3.8	30	10/3/22 19:31	BRF
cis-1,3-Dichloropropene	ND	1.5	0.78		ND	6.8	3.5	30	10/3/22 19:31	BRF
trans-1,3-Dichloropropene	ND	1.5	0.77		ND	6.8	3.5	30	10/3/22 19:31	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.5	1.5		ND	10	10	30	10/3/22 19:31	BRF
1,4-Dioxane	ND	15	1.2		ND	54	4.5	30	10/3/22 19:31	BRF
Ethanol	ND	60	26		ND	110	50	30	10/3/22 19:31	BRF
Ethyl Acetate	ND	15	7.6		ND	54	27	30	10/3/22 19:31	BRF
Ethylbenzene	ND	1.5	0.88		ND	6.5	3.8	30	10/3/22 19:31	BRF
4-Ethyltoluene	20	1.5	0.92		100	7.4	4.5	30	10/3/22 19:31	BRF
Heptane	ND	1.5	0.96		ND	6.1	3.9	30	10/3/22 19:31	BRF
Hexachlorobutadiene	ND	1.5	1.2	L-03	ND	16	13	30	10/3/22 19:31	BRF
Hexane	ND	60	7.8		ND	210	28	30	10/3/22 19:31	BRF
2-Hexanone (MBK)	ND	1.5	0.75		ND	6.1	3.1	30	10/3/22 19:31	BRF
Isopropanol	ND	60	10		ND	150	25	30	10/3/22 19:31	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.5	1.2		ND	5.4	4.2	30	10/3/22 19:31	BRF
Methylene Chloride	ND	15	7.0		ND	52	24	30	10/3/22 19:31	BRF
4-Methyl-2-pentanone (MIBK)	ND	1.5	0.80		ND	6.1	3.3	30	10/3/22 19:31	BRF
Naphthalene	ND	1.5	1.1	L-03	ND	7.9	5.9	30	10/3/22 19:31	BRF
Propene	24	60	13	J	40	100	23	30	10/3/22 19:31	BRF
Styrene	ND	1.5	0.79		ND	6.4	3.4	30	10/3/22 19:31	BRF
1,1,2,2-Tetrachloroethane	ND	1.5	0.81		ND	10	5.6	30	10/3/22 19:31	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 15 Duplicate
Sample ID: 22I1802-16
Sample Matrix: Soil Gas
Sampled: 9/26/2022 13:37

Sample Description/Location:
Sub Description/Location:
Canister ID: 2761
Canister Size: 3 liter
Flow Controller ID: 4505
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	8500	60	46		58000	410	310	1200	10/4/22 20:09	BRF
Tetrahydrofuran	280	15	2.5		840	44	7.3	30	10/3/22 19:31	BRF
Toluene	1.9	1.5	0.86		7.2	5.7	3.2	30	10/3/22 19:31	BRF
1,2,4-Trichlorobenzene	ND	1.5	1.4		ND	11	10	30	10/3/22 19:31	BRF
1,1,1-Trichloroethane	ND	1.5	1.2		ND	8.2	6.4	30	10/3/22 19:31	BRF
1,1,2-Trichloroethane	ND	1.5	1.1		ND	8.2	5.8	30	10/3/22 19:31	BRF
Trichloroethylene	1300	1.5	1.0		7100	8.1	5.4	30	10/3/22 19:31	BRF
Trichlorofluoromethane (Freon 11)	ND	6.0	1.8		ND	34	10.0	30	10/3/22 19:31	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	6.0	1.7		ND	46	13	30	10/3/22 19:31	BRF
1,2,4-Trimethylbenzene	80	1.5	0.66		390	7.4	3.3	30	10/3/22 19:31	BRF
1,3,5-Trimethylbenzene	330	1.5	0.79		1600	7.4	3.9	30	10/3/22 19:31	BRF
Vinyl Acetate	ND	30	8.1		ND	110	28	30	10/3/22 19:31	BRF
Vinyl Chloride	5.1	1.5	1.4		13	3.8	3.5	30	10/3/22 19:31	BRF
m&p-Xylene	13	3.0	1.7		58	13	7.3	30	10/3/22 19:31	BRF
o-Xylene	31	1.5	0.77		130	6.5	3.3	30	10/3/22 19:31	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	89.7	70-130	10/4/22 20:09
4-Bromofluorobenzene (1)	97.2	70-130	10/3/22 19:31

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 16
Sample ID: 22I1802-17
Sample Matrix: Soil Gas
Sampled: 9/26/2022 13:42

Sample Description/Location:
Sub Description/Location:
Canister ID: 2388
Canister Size: 3 liter
Flow Controller ID: 4233
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	61	60	36		140	140	86	30	10/3/22 19:59	BRF
Benzene	ND	1.5	1.1		ND	4.8	3.6	30	10/3/22 19:59	BRF
Benzyl chloride	ND	3.0	1.3		ND	16	6.8	30	10/3/22 19:59	BRF
Bromodichloromethane	ND	1.5	1.0		ND	10	7.0	30	10/3/22 19:59	BRF
Bromoform	ND	1.5	1.0		ND	16	11	30	10/3/22 19:59	BRF
Bromomethane	ND	1.5	1.0		ND	5.8	3.9	30	10/3/22 19:59	BRF
1,3-Butadiene	ND	1.5	1.3		ND	3.3	2.8	30	10/3/22 19:59	BRF
2-Butanone (MEK)	35	60	16	J	100	180	47	30	10/3/22 19:59	BRF
Carbon Disulfide	ND	15	1.4		ND	47	4.3	30	10/3/22 19:59	BRF
Carbon Tetrachloride	ND	1.5	1.2		ND	9.4	7.5	30	10/3/22 19:59	BRF
Chlorobenzene	ND	1.5	1.0		ND	6.9	4.6	30	10/3/22 19:59	BRF
Chloroethane	ND	1.5	1.3		ND	4.0	3.5	30	10/3/22 19:59	BRF
Chloroform	ND	1.5	1.4		ND	7.3	7.0	30	10/3/22 19:59	BRF
Chloromethane	ND	3.0	1.2		ND	6.2	2.5	30	10/3/22 19:59	BRF
Cyclohexane	ND	1.5	0.91		ND	5.2	3.1	30	10/3/22 19:59	BRF
Dibromochloromethane	ND	1.5	0.99		ND	13	8.5	30	10/3/22 19:59	BRF
1,2-Dibromoethane (EDB)	ND	1.5	0.91		ND	12	7.0	30	10/3/22 19:59	BRF
1,2-Dichlorobenzene	ND	1.5	0.86		ND	9.0	5.2	30	10/3/22 19:59	BRF
1,3-Dichlorobenzene	ND	1.5	0.83		ND	9.0	5.0	30	10/3/22 19:59	BRF
1,4-Dichlorobenzene	ND	1.5	0.98		ND	9.0	5.9	30	10/3/22 19:59	BRF
Dichlorodifluoromethane (Freon 12)	ND	1.5	1.5		ND	7.4	7.2	30	10/3/22 19:59	BRF
1,1-Dichloroethane	ND	1.5	1.3		ND	6.1	5.3	30	10/3/22 19:59	BRF
1,2-Dichloroethane	ND	1.5	1.4		ND	6.1	5.5	30	10/3/22 19:59	BRF
1,1-Dichloroethylene	ND	1.5	1.1		ND	5.9	4.5	30	10/3/22 19:59	BRF
cis-1,2-Dichloroethylene	77	1.5	1.1		300	5.9	4.3	30	10/3/22 19:59	BRF
trans-1,2-Dichloroethylene	ND	1.5	1.2		ND	5.9	4.7	30	10/3/22 19:59	BRF
1,2-Dichloropropane	ND	1.5	0.81		ND	6.9	3.8	30	10/3/22 19:59	BRF
cis-1,3-Dichloropropene	ND	1.5	0.78		ND	6.8	3.5	30	10/3/22 19:59	BRF
trans-1,3-Dichloropropene	ND	1.5	0.77		ND	6.8	3.5	30	10/3/22 19:59	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.5	1.5		ND	10	10	30	10/3/22 19:59	BRF
1,4-Dioxane	ND	15	1.2		ND	54	4.5	30	10/3/22 19:59	BRF
Ethanol	ND	60	26		ND	110	50	30	10/3/22 19:59	BRF
Ethyl Acetate	ND	15	7.6		ND	54	27	30	10/3/22 19:59	BRF
Ethylbenzene	ND	1.5	0.88		ND	6.5	3.8	30	10/3/22 19:59	BRF
4-Ethyltoluene	14	1.5	0.92		67	7.4	4.5	30	10/3/22 19:59	BRF
Heptane	15	1.5	0.96		63	6.1	3.9	30	10/3/22 19:59	BRF
Hexachlorobutadiene	ND	1.5	1.2	L-03	ND	16	13	30	10/3/22 19:59	BRF
Hexane	ND	60	7.8		ND	210	28	30	10/3/22 19:59	BRF
2-Hexanone (MBK)	ND	1.5	0.75		ND	6.1	3.1	30	10/3/22 19:59	BRF
Isopropanol	ND	60	10		ND	150	25	30	10/3/22 19:59	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.5	1.2		ND	5.4	4.2	30	10/3/22 19:59	BRF
Methylene Chloride	ND	15	7.0		ND	52	24	30	10/3/22 19:59	BRF
4-Methyl-2-pentanone (MIBK)	ND	1.5	0.80		ND	6.1	3.3	30	10/3/22 19:59	BRF
Naphthalene	ND	1.5	1.1	L-03	ND	7.9	5.9	30	10/3/22 19:59	BRF
Propene	ND	60	13		ND	100	23	30	10/3/22 19:59	BRF
Styrene	ND	1.5	0.79		ND	6.4	3.4	30	10/3/22 19:59	BRF
1,1,2,2-Tetrachloroethane	ND	1.5	0.81		ND	10	5.6	30	10/3/22 19:59	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 16
Sample ID: 22I1802-17
Sample Matrix: Soil Gas
Sampled: 9/26/2022 13:42

Sample Description/Location:
Sub Description/Location:
Canister ID: 2388
Canister Size: 3 liter
Flow Controller ID: 4233
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	4100	30	23		28000	200	160	600	10/4/22 20:38	BRF
Tetrahydrofuran	74	15	2.5		220	44	7.3	30	10/3/22 19:59	BRF
Toluene	1.1	1.5	0.86	J	4.2	5.7	3.2	30	10/3/22 19:59	BRF
1,2,4-Trichlorobenzene	ND	1.5	1.4		ND	11	10	30	10/3/22 19:59	BRF
1,1,1-Trichloroethane	ND	1.5	1.2		ND	8.2	6.4	30	10/3/22 19:59	BRF
1,1,2-Trichloroethane	ND	1.5	1.1		ND	8.2	5.8	30	10/3/22 19:59	BRF
Trichloroethylene	94	1.5	1.0		500	8.1	5.4	30	10/3/22 19:59	BRF
Trichlorofluoromethane (Freon 11)	ND	6.0	1.8		ND	34	10.0	30	10/3/22 19:59	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	6.0	1.7		ND	46	13	30	10/3/22 19:59	BRF
1,2,4-Trimethylbenzene	130	1.5	0.66		660	7.4	3.3	30	10/3/22 19:59	BRF
1,3,5-Trimethylbenzene	120	1.5	0.79		600	7.4	3.9	30	10/3/22 19:59	BRF
Vinyl Acetate	ND	30	8.1		ND	110	28	30	10/3/22 19:59	BRF
Vinyl Chloride	ND	1.5	1.4		ND	3.8	3.5	30	10/3/22 19:59	BRF
m&p-Xylene	2.3	3.0	1.7	J	10	13	7.3	30	10/3/22 19:59	BRF
o-Xylene	2.6	1.5	0.77		11	6.5	3.3	30	10/3/22 19:59	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	90.6	70-130	10/4/22 20:38
4-Bromofluorobenzene (1)	96.6	70-130	10/3/22 19:59

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 17
Sample ID: 22I1802-18
Sample Matrix: Soil Gas
Sampled: 9/26/2022 13:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 2573
Canister Size: 3 liter
Flow Controller ID: 4349
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	60	36		ND	140	86	30	10/3/22 20:28	BRF
Benzene	ND	1.5	1.1		ND	4.8	3.6	30	10/3/22 20:28	BRF
Benzyl chloride	ND	3.0	1.3		ND	16	6.8	30	10/3/22 20:28	BRF
Bromodichloromethane	ND	1.5	1.0		ND	10	7.0	30	10/3/22 20:28	BRF
Bromoform	ND	1.5	1.0		ND	16	11	30	10/3/22 20:28	BRF
Bromomethane	ND	1.5	1.0		ND	5.8	3.9	30	10/3/22 20:28	BRF
1,3-Butadiene	ND	1.5	1.3		ND	3.3	2.8	30	10/3/22 20:28	BRF
2-Butanone (MEK)	16	60	16	J	48	180	47	30	10/3/22 20:28	BRF
Carbon Disulfide	ND	15	1.4		ND	47	4.3	30	10/3/22 20:28	BRF
Carbon Tetrachloride	ND	1.5	1.2		ND	9.4	7.5	30	10/3/22 20:28	BRF
Chlorobenzene	ND	1.5	1.0		ND	6.9	4.6	30	10/3/22 20:28	BRF
Chloroethane	ND	1.5	1.3		ND	4.0	3.5	30	10/3/22 20:28	BRF
Chloroform	ND	1.5	1.4		ND	7.3	7.0	30	10/3/22 20:28	BRF
Chloromethane	ND	3.0	1.2		ND	6.2	2.5	30	10/3/22 20:28	BRF
Cyclohexane	4.3	1.5	0.91		15	5.2	3.1	30	10/3/22 20:28	BRF
Dibromochloromethane	ND	1.5	0.99		ND	13	8.5	30	10/3/22 20:28	BRF
1,2-Dibromoethane (EDB)	ND	1.5	0.91		ND	12	7.0	30	10/3/22 20:28	BRF
1,2-Dichlorobenzene	ND	1.5	0.86		ND	9.0	5.2	30	10/3/22 20:28	BRF
1,3-Dichlorobenzene	ND	1.5	0.83		ND	9.0	5.0	30	10/3/22 20:28	BRF
1,4-Dichlorobenzene	ND	1.5	0.98		ND	9.0	5.9	30	10/3/22 20:28	BRF
Dichlorodifluoromethane (Freon 12)	ND	1.5	1.5		ND	7.4	7.2	30	10/3/22 20:28	BRF
1,1-Dichloroethane	ND	1.5	1.3		ND	6.1	5.3	30	10/3/22 20:28	BRF
1,2-Dichloroethane	ND	1.5	1.4		ND	6.1	5.5	30	10/3/22 20:28	BRF
1,1-Dichloroethylene	ND	1.5	1.1		ND	5.9	4.5	30	10/3/22 20:28	BRF
cis-1,2-Dichloroethylene	140	1.5	1.1		560	5.9	4.3	30	10/3/22 20:28	BRF
trans-1,2-Dichloroethylene	ND	1.5	1.2		ND	5.9	4.7	30	10/3/22 20:28	BRF
1,2-Dichloropropane	ND	1.5	0.81		ND	6.9	3.8	30	10/3/22 20:28	BRF
cis-1,3-Dichloropropene	ND	1.5	0.78		ND	6.8	3.5	30	10/3/22 20:28	BRF
trans-1,3-Dichloropropene	ND	1.5	0.77		ND	6.8	3.5	30	10/3/22 20:28	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.5	1.5		ND	10	10	30	10/3/22 20:28	BRF
1,4-Dioxane	ND	15	1.2		ND	54	4.5	30	10/3/22 20:28	BRF
Ethanol	ND	60	26		ND	110	50	30	10/3/22 20:28	BRF
Ethyl Acetate	ND	15	7.6		ND	54	27	30	10/3/22 20:28	BRF
Ethylbenzene	1.4	1.5	0.88	J	5.9	6.5	3.8	30	10/3/22 20:28	BRF
4-Ethyltoluene	24	1.5	0.92		120	7.4	4.5	30	10/3/22 20:28	BRF
Heptane	5.8	1.5	0.96		24	6.1	3.9	30	10/3/22 20:28	BRF
Hexachlorobutadiene	ND	1.5	1.2	L-03	ND	16	13	30	10/3/22 20:28	BRF
Hexane	ND	60	7.8		ND	210	28	30	10/3/22 20:28	BRF
2-Hexanone (MBK)	ND	1.5	0.75		ND	6.1	3.1	30	10/3/22 20:28	BRF
Isopropanol	ND	60	10		ND	150	25	30	10/3/22 20:28	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.5	1.2		ND	5.4	4.2	30	10/3/22 20:28	BRF
Methylene Chloride	ND	15	7.0		ND	52	24	30	10/3/22 20:28	BRF
4-Methyl-2-pentanone (MIBK)	ND	1.5	0.80		ND	6.1	3.3	30	10/3/22 20:28	BRF
Naphthalene	ND	1.5	1.1	L-03	ND	7.9	5.9	30	10/3/22 20:28	BRF
Propene	ND	60	13		ND	100	23	30	10/3/22 20:28	BRF
Styrene	ND	1.5	0.79		ND	6.4	3.4	30	10/3/22 20:28	BRF
1,1,2,2-Tetrachloroethane	ND	1.5	0.81		ND	10	5.6	30	10/3/22 20:28	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 17
Sample ID: 22I1802-18
Sample Matrix: Soil Gas
Sampled: 9/26/2022 13:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 2573
Canister Size: 3 liter
Flow Controller ID: 4349
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	7200	60	46		49000	410	310	1200	10/4/22 21:05	BRF
Tetrahydrofuran	69	15	2.5		200	44	7.3	30	10/3/22 20:28	BRF
Toluene	2.6	1.5	0.86		9.8	5.7	3.2	30	10/3/22 20:28	BRF
1,2,4-Trichlorobenzene	ND	1.5	1.4		ND	11	10	30	10/3/22 20:28	BRF
1,1,1-Trichloroethane	ND	1.5	1.2		ND	8.2	6.4	30	10/3/22 20:28	BRF
1,1,2-Trichloroethane	ND	1.5	1.1		ND	8.2	5.8	30	10/3/22 20:28	BRF
Trichloroethylene	140	1.5	1.0		730	8.1	5.4	30	10/3/22 20:28	BRF
Trichlorofluoromethane (Freon 11)	ND	6.0	1.8		ND	34	10.0	30	10/3/22 20:28	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	6.0	1.7		ND	46	13	30	10/3/22 20:28	BRF
1,2,4-Trimethylbenzene	71	1.5	0.66		350	7.4	3.3	30	10/3/22 20:28	BRF
1,3,5-Trimethylbenzene	150	1.5	0.79		740	7.4	3.9	30	10/3/22 20:28	BRF
Vinyl Acetate	ND	30	8.1		ND	110	28	30	10/3/22 20:28	BRF
Vinyl Chloride	ND	1.5	1.4		ND	3.8	3.5	30	10/3/22 20:28	BRF
m&p-Xylene	6.3	3.0	1.7		27	13	7.3	30	10/3/22 20:28	BRF
o-Xylene	9.1	1.5	0.77		39	6.5	3.3	30	10/3/22 20:28	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	84.8	70-130	10/4/22 21:05
4-Bromofluorobenzene (1)	99.4	70-130	10/3/22 20:28

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 18
Sample ID: 22I1802-19
Sample Matrix: Soil Gas
Sampled: 9/26/2022 13:45

Sample Description/Location:
Sub Description/Location:
Canister ID: 2574
Canister Size: 3 liter
Flow Controller ID: 4468
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	65	60	36		160	140	86	30	10/3/22 20:57	BRF
Benzene	ND	1.5	1.1		ND	4.8	3.6	30	10/3/22 20:57	BRF
Benzyl chloride	ND	3.0	1.3		ND	16	6.8	30	10/3/22 20:57	BRF
Bromodichloromethane	ND	1.5	1.0		ND	10	7.0	30	10/3/22 20:57	BRF
Bromoform	ND	1.5	1.0		ND	16	11	30	10/3/22 20:57	BRF
Bromomethane	ND	1.5	1.0		ND	5.8	3.9	30	10/3/22 20:57	BRF
1,3-Butadiene	ND	1.5	1.3		ND	3.3	2.8	30	10/3/22 20:57	BRF
2-Butanone (MEK)	40	60	16	J	120	180	47	30	10/3/22 20:57	BRF
Carbon Disulfide	ND	15	1.4		ND	47	4.3	30	10/3/22 20:57	BRF
Carbon Tetrachloride	ND	1.5	1.2		ND	9.4	7.5	30	10/3/22 20:57	BRF
Chlorobenzene	ND	1.5	1.0		ND	6.9	4.6	30	10/3/22 20:57	BRF
Chloroethane	ND	1.5	1.3		ND	4.0	3.5	30	10/3/22 20:57	BRF
Chloroform	14	1.5	1.4		70	7.3	7.0	30	10/3/22 20:57	BRF
Chloromethane	ND	3.0	1.2		ND	6.2	2.5	30	10/3/22 20:57	BRF
Cyclohexane	22	1.5	0.91		75	5.2	3.1	30	10/3/22 20:57	BRF
Dibromochloromethane	ND	1.5	0.99		ND	13	8.5	30	10/3/22 20:57	BRF
1,2-Dibromoethane (EDB)	ND	1.5	0.91		ND	12	7.0	30	10/3/22 20:57	BRF
1,2-Dichlorobenzene	ND	1.5	0.86		ND	9.0	5.2	30	10/3/22 20:57	BRF
1,3-Dichlorobenzene	ND	1.5	0.83		ND	9.0	5.0	30	10/3/22 20:57	BRF
1,4-Dichlorobenzene	ND	1.5	0.98		ND	9.0	5.9	30	10/3/22 20:57	BRF
Dichlorodifluoromethane (Freon 12)	ND	1.5	1.5		ND	7.4	7.2	30	10/3/22 20:57	BRF
1,1-Dichloroethane	ND	1.5	1.3		ND	6.1	5.3	30	10/3/22 20:57	BRF
1,2-Dichloroethane	ND	1.5	1.4		ND	6.1	5.5	30	10/3/22 20:57	BRF
1,1-Dichloroethylene	ND	1.5	1.1		ND	5.9	4.5	30	10/3/22 20:57	BRF
cis-1,2-Dichloroethylene	70	1.5	1.1		280	5.9	4.3	30	10/3/22 20:57	BRF
trans-1,2-Dichloroethylene	ND	1.5	1.2		ND	5.9	4.7	30	10/3/22 20:57	BRF
1,2-Dichloropropane	ND	1.5	0.81		ND	6.9	3.8	30	10/3/22 20:57	BRF
cis-1,3-Dichloropropene	ND	1.5	0.78		ND	6.8	3.5	30	10/3/22 20:57	BRF
trans-1,3-Dichloropropene	ND	1.5	0.77		ND	6.8	3.5	30	10/3/22 20:57	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.5	1.5		ND	10	10	30	10/3/22 20:57	BRF
1,4-Dioxane	ND	15	1.2		ND	54	4.5	30	10/3/22 20:57	BRF
Ethanol	ND	60	26		ND	110	50	30	10/3/22 20:57	BRF
Ethyl Acetate	ND	15	7.6		ND	54	27	30	10/3/22 20:57	BRF
Ethylbenzene	1.0	1.5	0.88	J	4.4	6.5	3.8	30	10/3/22 20:57	BRF
4-Ethyltoluene	21	1.5	0.92		100	7.4	4.5	30	10/3/22 20:57	BRF
Heptane	28	1.5	0.96		110	6.1	3.9	30	10/3/22 20:57	BRF
Hexachlorobutadiene	ND	1.5	1.2	L-03	ND	16	13	30	10/3/22 20:57	BRF
Hexane	25	60	7.8	J	88	210	28	30	10/3/22 20:57	BRF
2-Hexanone (MBK)	ND	1.5	0.75		ND	6.1	3.1	30	10/3/22 20:57	BRF
Isopropanol	ND	60	10		ND	150	25	30	10/3/22 20:57	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.5	1.2		ND	5.4	4.2	30	10/3/22 20:57	BRF
Methylene Chloride	ND	15	7.0		ND	52	24	30	10/3/22 20:57	BRF
4-Methyl-2-pentanone (MIBK)	ND	1.5	0.80		ND	6.1	3.3	30	10/3/22 20:57	BRF
Naphthalene	ND	1.5	1.1	L-03	ND	7.9	5.9	30	10/3/22 20:57	BRF
Propene	ND	60	13		ND	100	23	30	10/3/22 20:57	BRF
Styrene	ND	1.5	0.79		ND	6.4	3.4	30	10/3/22 20:57	BRF
1,1,2,2-Tetrachloroethane	ND	1.5	0.81		ND	10	5.6	30	10/3/22 20:57	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: SVE 18
Sample ID: 22I1802-19
Sample Matrix: Soil Gas
Sampled: 9/26/2022 13:45

Sample Description/Location:
Sub Description/Location:
Canister ID: 2574
Canister Size: 3 liter
Flow Controller ID: 4468
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	2000	15	11		13000	100	78	300	10/4/22 21:35	BRF
Tetrahydrofuran	110	15	2.5		310	44	7.3	30	10/3/22 20:57	BRF
Toluene	2.1	1.5	0.86		7.8	5.7	3.2	30	10/3/22 20:57	BRF
1,2,4-Trichlorobenzene	ND	1.5	1.4		ND	11	10	30	10/3/22 20:57	BRF
1,1,1-Trichloroethane	ND	1.5	1.2		ND	8.2	6.4	30	10/3/22 20:57	BRF
1,1,2-Trichloroethane	ND	1.5	1.1		ND	8.2	5.8	30	10/3/22 20:57	BRF
Trichloroethylene	68	1.5	1.0		370	8.1	5.4	30	10/3/22 20:57	BRF
Trichlorofluoromethane (Freon 11)	ND	6.0	1.8		ND	34	10.0	30	10/3/22 20:57	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	6.0	1.7		ND	46	13	30	10/3/22 20:57	BRF
1,2,4-Trimethylbenzene	110	1.5	0.66		560	7.4	3.3	30	10/3/22 20:57	BRF
1,3,5-Trimethylbenzene	98	1.5	0.79		480	7.4	3.9	30	10/3/22 20:57	BRF
Vinyl Acetate	ND	30	8.1		ND	110	28	30	10/3/22 20:57	BRF
Vinyl Chloride	ND	1.5	1.4		ND	3.8	3.5	30	10/3/22 20:57	BRF
m&p-Xylene	4.1	3.0	1.7		18	13	7.3	30	10/3/22 20:57	BRF
o-Xylene	4.1	1.5	0.77		18	6.5	3.3	30	10/3/22 20:57	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	94.7	70-130	10/4/22 21:35
4-Bromofluorobenzene (1)	95.7	70-130	10/3/22 20:57

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: Influent
Sample ID: 22I1802-20
Sample Matrix: Soil Gas
Sampled: 9/26/2022 14:38

Sample Description/Location:
Sub Description/Location:
Canister ID: 2404
Canister Size: 3 liter
Flow Controller ID: 4467
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	60	36		ND	140	86	30	10/3/22 21:25	BRF
Benzene	1.3	1.5	1.1	J	4.1	4.8	3.6	30	10/3/22 21:25	BRF
Benzyl chloride	ND	3.0	1.3		ND	16	6.8	30	10/3/22 21:25	BRF
Bromodichloromethane	ND	1.5	1.0		ND	10	7.0	30	10/3/22 21:25	BRF
Bromoform	ND	1.5	1.0		ND	16	11	30	10/3/22 21:25	BRF
Bromomethane	ND	1.5	1.0		ND	5.8	3.9	30	10/3/22 21:25	BRF
1,3-Butadiene	ND	1.5	1.3		ND	3.3	2.8	30	10/3/22 21:25	BRF
2-Butanone (MEK)	ND	60	16		ND	180	47	30	10/3/22 21:25	BRF
Carbon Disulfide	ND	15	1.4		ND	47	4.3	30	10/3/22 21:25	BRF
Carbon Tetrachloride	ND	1.5	1.2		ND	9.4	7.5	30	10/3/22 21:25	BRF
Chlorobenzene	ND	1.5	1.0		ND	6.9	4.6	30	10/3/22 21:25	BRF
Chloroethane	ND	1.5	1.3		ND	4.0	3.5	30	10/3/22 21:25	BRF
Chloroform	ND	1.5	1.4		ND	7.3	7.0	30	10/3/22 21:25	BRF
Chloromethane	ND	3.0	1.2		ND	6.2	2.5	30	10/3/22 21:25	BRF
Cyclohexane	41	1.5	0.91		140	5.2	3.1	30	10/3/22 21:25	BRF
Dibromochloromethane	ND	1.5	0.99		ND	13	8.5	30	10/3/22 21:25	BRF
1,2-Dibromoethane (EDB)	ND	1.5	0.91		ND	12	7.0	30	10/3/22 21:25	BRF
1,2-Dichlorobenzene	ND	1.5	0.86		ND	9.0	5.2	30	10/3/22 21:25	BRF
1,3-Dichlorobenzene	ND	1.5	0.83		ND	9.0	5.0	30	10/3/22 21:25	BRF
1,4-Dichlorobenzene	ND	1.5	0.98		ND	9.0	5.9	30	10/3/22 21:25	BRF
Dichlorodifluoromethane (Freon 12)	2.7	1.5	1.5		13	7.4	7.2	30	10/3/22 21:25	BRF
1,1-Dichloroethane	ND	1.5	1.3		ND	6.1	5.3	30	10/3/22 21:25	BRF
1,2-Dichloroethane	ND	1.5	1.4		ND	6.1	5.5	30	10/3/22 21:25	BRF
1,1-Dichloroethylene	3.8	1.5	1.1		15	5.9	4.5	30	10/3/22 21:25	BRF
cis-1,2-Dichloroethylene	2200	15	11		8900	59	43	300	10/4/22 22:06	BRF
trans-1,2-Dichloroethylene	11	1.5	1.2		45	5.9	4.7	30	10/3/22 21:25	BRF
1,2-Dichloropropane	ND	1.5	0.81		ND	6.9	3.8	30	10/3/22 21:25	BRF
cis-1,3-Dichloropropene	ND	1.5	0.78		ND	6.8	3.5	30	10/3/22 21:25	BRF
trans-1,3-Dichloropropene	ND	1.5	0.77		ND	6.8	3.5	30	10/3/22 21:25	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.5	1.5		ND	10	10	30	10/3/22 21:25	BRF
1,4-Dioxane	ND	15	1.2		ND	54	4.5	30	10/3/22 21:25	BRF
Ethanol	ND	60	26		ND	110	50	30	10/3/22 21:25	BRF
Ethyl Acetate	ND	15	7.6		ND	54	27	30	10/3/22 21:25	BRF
Ethylbenzene	2.2	1.5	0.88		9.4	6.5	3.8	30	10/3/22 21:25	BRF
4-Ethyltoluene	63	1.5	0.92		310	7.4	4.5	30	10/3/22 21:25	BRF
Heptane	23	1.5	0.96		95	6.1	3.9	30	10/3/22 21:25	BRF
Hexachlorobutadiene	ND	1.5	1.2	L-03	ND	16	13	30	10/3/22 21:25	BRF
Hexane	33	60	7.8	J	120	210	28	30	10/3/22 21:25	BRF
2-Hexanone (MBK)	ND	1.5	0.75		ND	6.1	3.1	30	10/3/22 21:25	BRF
Isopropanol	ND	60	10		ND	150	25	30	10/3/22 21:25	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.5	1.2		ND	5.4	4.2	30	10/3/22 21:25	BRF
Methylene Chloride	ND	15	7.0		ND	52	24	30	10/3/22 21:25	BRF
4-Methyl-2-pentanone (MIBK)	ND	1.5	0.80		ND	6.1	3.3	30	10/3/22 21:25	BRF
Naphthalene	ND	1.5	1.1	L-03	ND	7.9	5.9	30	10/3/22 21:25	BRF
Propene	ND	60	13		ND	100	23	30	10/3/22 21:25	BRF
Styrene	ND	1.5	0.79		ND	6.4	3.4	30	10/3/22 21:25	BRF
1,1,2,2-Tetrachloroethane	ND	1.5	0.81		ND	10	5.6	30	10/3/22 21:25	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: Influent
Sample ID: 22I1802-20
Sample Matrix: Soil Gas
Sampled: 9/26/2022 14:38

Sample Description/Location:
Sub Description/Location:
Canister ID: 2404
Canister Size: 3 liter
Flow Controller ID: 4467
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	16000	30	23		110000	200	160	600	10/4/22 22:34	BRF
Tetrahydrofuran	ND	15	2.5		ND	44	7.3	30	10/3/22 21:25	BRF
Toluene	3.4	1.5	0.86		13	5.7	3.2	30	10/3/22 21:25	BRF
1,2,4-Trichlorobenzene	ND	1.5	1.4		ND	11	10	30	10/3/22 21:25	BRF
1,1,1-Trichloroethane	ND	1.5	1.2		ND	8.2	6.4	30	10/3/22 21:25	BRF
1,1,2-Trichloroethane	ND	1.5	1.1		ND	8.2	5.8	30	10/3/22 21:25	BRF
Trichloroethylene	710	1.5	1.0		3800	8.1	5.4	30	10/3/22 21:25	BRF
Trichlorofluoromethane (Freon 11)	ND	6.0	1.8		ND	34	10.0	30	10/3/22 21:25	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	6.0	1.7		ND	46	13	30	10/3/22 21:25	BRF
1,2,4-Trimethylbenzene	360	1.5	0.66		1700	7.4	3.3	30	10/3/22 21:25	BRF
1,3,5-Trimethylbenzene	280	1.5	0.79		1400	7.4	3.9	30	10/3/22 21:25	BRF
Vinyl Acetate	ND	30	8.1		ND	110	28	30	10/3/22 21:25	BRF
Vinyl Chloride	11	1.5	1.4		29	3.8	3.5	30	10/3/22 21:25	BRF
m&p-Xylene	21	3.0	1.7		89	13	7.3	30	10/3/22 21:25	BRF
o-Xylene	23	1.5	0.77		100	6.5	3.3	30	10/3/22 21:25	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	94.6	70-130	10/4/22 22:34
4-Bromofluorobenzene (1)	94.7	70-130	10/4/22 22:06
4-Bromofluorobenzene (1)	99.6	70-130	10/3/22 21:25

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: Effluent
Sample ID: 22I1802-21
Sample Matrix: Soil Gas
Sampled: 9/26/2022 14:31

Sample Description/Location:
Sub Description/Location:
Canister ID: 2418
Canister Size: 3 liter
Flow Controller ID: 4531
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -4.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	60	36		ND	140	86	30	10/3/22 21:53	BRF
Benzene	ND	1.5	1.1		ND	4.8	3.6	30	10/3/22 21:53	BRF
Benzyl chloride	ND	3.0	1.3		ND	16	6.8	30	10/3/22 21:53	BRF
Bromodichloromethane	ND	1.5	1.0		ND	10	7.0	30	10/3/22 21:53	BRF
Bromoform	ND	1.5	1.0		ND	16	11	30	10/3/22 21:53	BRF
Bromomethane	ND	1.5	1.0		ND	5.8	3.9	30	10/3/22 21:53	BRF
1,3-Butadiene	ND	1.5	1.3		ND	3.3	2.8	30	10/3/22 21:53	BRF
2-Butanone (MEK)	ND	60	16		ND	180	47	30	10/3/22 21:53	BRF
Carbon Disulfide	ND	15	1.4		ND	47	4.3	30	10/3/22 21:53	BRF
Carbon Tetrachloride	ND	1.5	1.2		ND	9.4	7.5	30	10/3/22 21:53	BRF
Chlorobenzene	ND	1.5	1.0		ND	6.9	4.6	30	10/3/22 21:53	BRF
Chloroethane	ND	1.5	1.3		ND	4.0	3.5	30	10/3/22 21:53	BRF
Chloroform	ND	1.5	1.4		ND	7.3	7.0	30	10/3/22 21:53	BRF
Chloromethane	ND	3.0	1.2		ND	6.2	2.5	30	10/3/22 21:53	BRF
Cyclohexane	3.6	1.5	0.91		12	5.2	3.1	30	10/3/22 21:53	BRF
Dibromochloromethane	ND	1.5	0.99		ND	13	8.5	30	10/3/22 21:53	BRF
1,2-Dibromoethane (EDB)	ND	1.5	0.91		ND	12	7.0	30	10/3/22 21:53	BRF
1,2-Dichlorobenzene	ND	1.5	0.86		ND	9.0	5.2	30	10/3/22 21:53	BRF
1,3-Dichlorobenzene	ND	1.5	0.83		ND	9.0	5.0	30	10/3/22 21:53	BRF
1,4-Dichlorobenzene	ND	1.5	0.98		ND	9.0	5.9	30	10/3/22 21:53	BRF
Dichlorodifluoromethane (Freon 12)	ND	1.5	1.5		ND	7.4	7.2	30	10/3/22 21:53	BRF
1,1-Dichloroethane	ND	1.5	1.3		ND	6.1	5.3	30	10/3/22 21:53	BRF
1,2-Dichloroethane	ND	1.5	1.4		ND	6.1	5.5	30	10/3/22 21:53	BRF
1,1-Dichloroethylene	ND	1.5	1.1		ND	5.9	4.5	30	10/3/22 21:53	BRF
cis-1,2-Dichloroethylene	61	1.5	1.1		240	5.9	4.3	30	10/3/22 21:53	BRF
trans-1,2-Dichloroethylene	ND	1.5	1.2		ND	5.9	4.7	30	10/3/22 21:53	BRF
1,2-Dichloropropane	ND	1.5	0.81		ND	6.9	3.8	30	10/3/22 21:53	BRF
cis-1,3-Dichloropropene	ND	1.5	0.78		ND	6.8	3.5	30	10/3/22 21:53	BRF
trans-1,3-Dichloropropene	ND	1.5	0.77		ND	6.8	3.5	30	10/3/22 21:53	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.5	1.5		ND	10	10	30	10/3/22 21:53	BRF
1,4-Dioxane	ND	15	1.2		ND	54	4.5	30	10/3/22 21:53	BRF
Ethanol	ND	60	26		ND	110	50	30	10/3/22 21:53	BRF
Ethyl Acetate	ND	15	7.6		ND	54	27	30	10/3/22 21:53	BRF
Ethylbenzene	ND	1.5	0.88		ND	6.5	3.8	30	10/3/22 21:53	BRF
4-Ethyltoluene	11	1.5	0.92		52	7.4	4.5	30	10/3/22 21:53	BRF
Heptane	5.9	1.5	0.96		24	6.1	3.9	30	10/3/22 21:53	BRF
Hexachlorobutadiene	ND	1.5	1.2	L-03	ND	16	13	30	10/3/22 21:53	BRF
Hexane	13	60	7.8	J	45	210	28	30	10/3/22 21:53	BRF
2-Hexanone (MBK)	ND	1.5	0.75		ND	6.1	3.1	30	10/3/22 21:53	BRF
Isopropanol	ND	60	10		ND	150	25	30	10/3/22 21:53	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.5	1.2		ND	5.4	4.2	30	10/3/22 21:53	BRF
Methylene Chloride	ND	15	7.0		ND	52	24	30	10/3/22 21:53	BRF
4-Methyl-2-pentanone (MIBK)	ND	1.5	0.80		ND	6.1	3.3	30	10/3/22 21:53	BRF
Naphthalene	ND	1.5	1.1	L-03	ND	7.9	5.9	30	10/3/22 21:53	BRF
Propene	ND	60	13		ND	100	23	30	10/3/22 21:53	BRF
Styrene	ND	1.5	0.79		ND	6.4	3.4	30	10/3/22 21:53	BRF
1,1,2,2-Tetrachloroethane	ND	1.5	0.81		ND	10	5.6	30	10/3/22 21:53	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: Effluent
Sample ID: 22I1802-21
Sample Matrix: Soil Gas
Sampled: 9/26/2022 14:31

Sample Description/Location:
Sub Description/Location:
Canister ID: 2418
Canister Size: 3 liter
Flow Controller ID: 4531
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -4.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	1300	1.5	1.1		8900	10	7.8	30	10/3/22 21:53	BRF
Tetrahydrofuran	ND	15	2.5		ND	44	7.3	30	10/3/22 21:53	BRF
Toluene	ND	1.5	0.86		ND	5.7	3.2	30	10/3/22 21:53	BRF
1,2,4-Trichlorobenzene	ND	1.5	1.4		ND	11	10	30	10/3/22 21:53	BRF
1,1,1-Trichloroethane	ND	1.5	1.2		ND	8.2	6.4	30	10/3/22 21:53	BRF
1,1,2-Trichloroethane	ND	1.5	1.1		ND	8.2	5.8	30	10/3/22 21:53	BRF
Trichloroethylene	45	1.5	1.0		240	8.1	5.4	30	10/3/22 21:53	BRF
Trichlorofluoromethane (Freon 11)	ND	6.0	1.8		ND	34	10.0	30	10/3/22 21:53	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	6.0	1.7		ND	46	13	30	10/3/22 21:53	BRF
1,2,4-Trimethylbenzene	58	1.5	0.66		280	7.4	3.3	30	10/3/22 21:53	BRF
1,3,5-Trimethylbenzene	68	1.5	0.79		340	7.4	3.9	30	10/3/22 21:53	BRF
Vinyl Acetate	ND	30	8.1		ND	110	28	30	10/3/22 21:53	BRF
Vinyl Chloride	ND	1.5	1.4		ND	3.8	3.5	30	10/3/22 21:53	BRF
m&p-Xylene	1.8	3.0	1.7	J	7.7	13	7.3	30	10/3/22 21:53	BRF
o-Xylene	2.7	1.5	0.77		12	6.5	3.3	30	10/3/22 21:53	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	94.6	70-130	10/3/22 21:53

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: Effluent Duplicate
Sample ID: 22I1802-22
Sample Matrix: Soil Gas
Sampled: 9/26/2022 14:31

Sample Description/Location:
Sub Description/Location:
Canister ID: 2583
Canister Size: 3 liter
Flow Controller ID: 4530
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	60	36		ND	140	86	30	10/3/22 22:21	BRF
Benzene	ND	1.5	1.1		ND	4.8	3.6	30	10/3/22 22:21	BRF
Benzyl chloride	ND	3.0	1.3		ND	16	6.8	30	10/3/22 22:21	BRF
Bromodichloromethane	ND	1.5	1.0		ND	10	7.0	30	10/3/22 22:21	BRF
Bromoform	ND	1.5	1.0		ND	16	11	30	10/3/22 22:21	BRF
Bromomethane	ND	1.5	1.0		ND	5.8	3.9	30	10/3/22 22:21	BRF
1,3-Butadiene	ND	1.5	1.3		ND	3.3	2.8	30	10/3/22 22:21	BRF
2-Butanone (MEK)	ND	60	16		ND	180	47	30	10/3/22 22:21	BRF
Carbon Disulfide	ND	15	1.4		ND	47	4.3	30	10/3/22 22:21	BRF
Carbon Tetrachloride	ND	1.5	1.2		ND	9.4	7.5	30	10/3/22 22:21	BRF
Chlorobenzene	ND	1.5	1.0		ND	6.9	4.6	30	10/3/22 22:21	BRF
Chloroethane	ND	1.5	1.3		ND	4.0	3.5	30	10/3/22 22:21	BRF
Chloroform	ND	1.5	1.4		ND	7.3	7.0	30	10/3/22 22:21	BRF
Chloromethane	ND	3.0	1.2		ND	6.2	2.5	30	10/3/22 22:21	BRF
Cyclohexane	ND	1.5	0.91		ND	5.2	3.1	30	10/3/22 22:21	BRF
Dibromochloromethane	ND	1.5	0.99		ND	13	8.5	30	10/3/22 22:21	BRF
1,2-Dibromoethane (EDB)	ND	1.5	0.91		ND	12	7.0	30	10/3/22 22:21	BRF
1,2-Dichlorobenzene	ND	1.5	0.86		ND	9.0	5.2	30	10/3/22 22:21	BRF
1,3-Dichlorobenzene	ND	1.5	0.83		ND	9.0	5.0	30	10/3/22 22:21	BRF
1,4-Dichlorobenzene	ND	1.5	0.98		ND	9.0	5.9	30	10/3/22 22:21	BRF
Dichlorodifluoromethane (Freon 12)	ND	1.5	1.5		ND	7.4	7.2	30	10/3/22 22:21	BRF
1,1-Dichloroethane	ND	1.5	1.3		ND	6.1	5.3	30	10/3/22 22:21	BRF
1,2-Dichloroethane	ND	1.5	1.4		ND	6.1	5.5	30	10/3/22 22:21	BRF
1,1-Dichloroethylene	ND	1.5	1.1		ND	5.9	4.5	30	10/3/22 22:21	BRF
cis-1,2-Dichloroethylene	120	1.5	1.1		490	5.9	4.3	30	10/3/22 22:21	BRF
trans-1,2-Dichloroethylene	ND	1.5	1.2		ND	5.9	4.7	30	10/3/22 22:21	BRF
1,2-Dichloropropane	ND	1.5	0.81		ND	6.9	3.8	30	10/3/22 22:21	BRF
cis-1,3-Dichloropropene	ND	1.5	0.78		ND	6.8	3.5	30	10/3/22 22:21	BRF
trans-1,3-Dichloropropene	ND	1.5	0.77		ND	6.8	3.5	30	10/3/22 22:21	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.5	1.5		ND	10	10	30	10/3/22 22:21	BRF
1,4-Dioxane	ND	15	1.2		ND	54	4.5	30	10/3/22 22:21	BRF
Ethanol	ND	60	26		ND	110	50	30	10/3/22 22:21	BRF
Ethyl Acetate	ND	15	7.6		ND	54	27	30	10/3/22 22:21	BRF
Ethylbenzene	ND	1.5	0.88		ND	6.5	3.8	30	10/3/22 22:21	BRF
4-Ethyltoluene	13	1.5	0.92		63	7.4	4.5	30	10/3/22 22:21	BRF
Heptane	1.6	1.5	0.96		6.5	6.1	3.9	30	10/3/22 22:21	BRF
Hexachlorobutadiene	ND	1.5	1.2	L-03	ND	16	13	30	10/3/22 22:21	BRF
Hexane	ND	60	7.8		ND	210	28	30	10/3/22 22:21	BRF
2-Hexanone (MBK)	ND	1.5	0.75		ND	6.1	3.1	30	10/3/22 22:21	BRF
Isopropanol	ND	60	10		ND	150	25	30	10/3/22 22:21	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.5	1.2		ND	5.4	4.2	30	10/3/22 22:21	BRF
Methylene Chloride	ND	15	7.0		ND	52	24	30	10/3/22 22:21	BRF
4-Methyl-2-pentanone (MIBK)	ND	1.5	0.80		ND	6.1	3.3	30	10/3/22 22:21	BRF
Naphthalene	ND	1.5	1.1	L-03	ND	7.9	5.9	30	10/3/22 22:21	BRF
Propene	ND	60	13		ND	100	23	30	10/3/22 22:21	BRF
Styrene	ND	1.5	0.79		ND	6.4	3.4	30	10/3/22 22:21	BRF
1,1,2,2-Tetrachloroethane	ND	1.5	0.81		ND	10	5.6	30	10/3/22 22:21	BRF

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ANALYTICAL RESULTS

Project Location: 935 E. Main St., Rochester, NY
Date Received: 9/28/2022
Field Sample #: Effluent Duplicate
Sample ID: 22I1802-22
Sample Matrix: Soil Gas
Sampled: 9/26/2022 14:31

Sample Description/Location:
Sub Description/Location:
Canister ID: 2583
Canister Size: 3 liter
Flow Controller ID: 4530
Sample Type: 30 min

Work Order: 22I1802
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	3600	30	23		24000	200	160	600	10/4/22 23:02	BRF
Tetrahydrofuran	2.9	15	2.5	J	8.7	44	7.3	30	10/3/22 22:21	BRF
Toluene	1.4	1.5	0.86	J	5.4	5.7	3.2	30	10/3/22 22:21	BRF
1,2,4-Trichlorobenzene	ND	1.5	1.4		ND	11	10	30	10/3/22 22:21	BRF
1,1,1-Trichloroethane	ND	1.5	1.2		ND	8.2	6.4	30	10/3/22 22:21	BRF
1,1,2-Trichloroethane	ND	1.5	1.1		ND	8.2	5.8	30	10/3/22 22:21	BRF
Trichloroethylene	82	1.5	1.0		440	8.1	5.4	30	10/3/22 22:21	BRF
Trichlorofluoromethane (Freon 11)	ND	6.0	1.8		ND	34	10.0	30	10/3/22 22:21	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	6.0	1.7		ND	46	13	30	10/3/22 22:21	BRF
1,2,4-Trimethylbenzene	43	1.5	0.66		210	7.4	3.3	30	10/3/22 22:21	BRF
1,3,5-Trimethylbenzene	110	1.5	0.79		540	7.4	3.9	30	10/3/22 22:21	BRF
Vinyl Acetate	ND	30	8.1		ND	110	28	30	10/3/22 22:21	BRF
Vinyl Chloride	ND	1.5	1.4		ND	3.8	3.5	30	10/3/22 22:21	BRF
m&p-Xylene	4.2	3.0	1.7		18	13	7.3	30	10/3/22 22:21	BRF
o-Xylene	6.2	1.5	0.77		27	6.5	3.3	30	10/3/22 22:21	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	87.4	70-130	10/4/22 23:02
4-Bromofluorobenzene (1)	96.0	70-130	10/3/22 22:21

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22I1802-01 [SVE 1]	B318751	1.5	1	N/A	1000	400	150	10/03/22
22I1802-03 [SVE 3]	B318751	1.5	1	N/A	1000	400	150	10/03/22
22I1802-04 [SVE 4]	B318751	1.5	1	N/A	1000	400	15	10/03/22
22I1802-04RE1 [SVE 4]	B318751	1.5	200	5	1000	400	200	10/03/22

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22I1802-11 [SVE 11]	B318770	1.5	1	N/A	1000	200	10	10/03/22
22I1802-12 [SVE 12]	B318770	1.5	1	N/A	1000	200	10	10/03/22
22I1802-13 [SVE 13]	B318770	1.5	1	N/A	1000	200	10	10/03/22
22I1802-14 [SVE 14]	B318770	1.5	1	N/A	1000	200	10	10/03/22
22I1802-15 [SVE 15]	B318770	1.5	1	N/A	1000	200	10	10/03/22
22I1802-16 [SVE 15 Duplicate]	B318770	1.5	1	N/A	1000	200	10	10/03/22
22I1802-17 [SVE 16]	B318770	1.5	1	N/A	1000	200	10	10/03/22
22I1802-18 [SVE 17]	B318770	1.5	1	N/A	1000	200	10	10/03/22
22I1802-19 [SVE 18]	B318770	1.5	1	N/A	1000	200	10	10/03/22
22I1802-20 [Influent]	B318770	1.5	1	N/A	1000	200	10	10/03/22
22I1802-21 [Effluent]	B318770	1.5	1	N/A	1000	200	10	10/03/22
22I1802-22 [Effluent Duplicate]	B318770	1.5	1	N/A	1000	200	10	10/03/22

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22I1802-02 [SVE 2]	B318872	1.5	1	N/A	1000	400	150	10/04/22
22I1802-02RE1 [SVE 2]	B318872	1.5	1	N/A	1000	400	30	10/04/22
22I1802-05 [SVE 5]	B318872	1.5	1	N/A	1000	400	150	10/04/22
22I1802-06 [SVE 6]	B318872	1.5	1	N/A	1000	400	15	10/04/22
22I1802-06RE1 [SVE 6]	B318872	1.5	200	5	1000	400	50	10/04/22
22I1802-07 [SVE 7]	B318872	1.5	200	5	1000	400	100	10/04/22
22I1802-07RE1 [SVE 7]	B318872	1.5	200	5	1000	400	20	10/04/22
22I1802-08 [SVE 8]	B318872	1.5	200	5	1000	400	200	10/04/22
22I1802-08RE1 [SVE 8]	B318872	1.5	200	5	1000	400	20	10/04/22
22I1802-09 [SVE 9]	B318872	1.5	200	5	1000	400	400	10/04/22
22I1802-10 [SVE 10]	B318872	1.5	1	N/A	1000	400	15	10/04/22
22I1802-10RE1 [SVE 10]	B318872	1.5	200	5	1000	400	400	10/04/22

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22I1802-11RE1 [SVE 11]	B318891	1.5	200	5	1000	200	200	10/04/22
22I1802-11RE2 [SVE 11]	B318891	1.5	200	5	1000	200	10	10/04/22
22I1802-12RE1 [SVE 12]	B318891	1.5	200	5	1000	200	50	10/04/22
22I1802-13RE1 [SVE 13]	B318891	1.5	200	5	1000	200	200	10/04/22
22I1802-14RE1 [SVE 14]	B318891	1.5	200	5	1000	200	200	10/04/22
22I1802-14RE2 [SVE 14]	B318891	1.5	200	5	1000	200	50	10/04/22

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22I1802-15RE1 [SVE 15]	B318891	1.5	200	5	1000	200	50	10/04/22
22I1802-16RE1 [SVE 15 Duplicate]	B318891	1.5	200	5	1000	200	50	10/04/22
22I1802-17RE1 [SVE 16]	B318891	1.5	200	5	1000	200	100	10/04/22
22I1802-18RE1 [SVE 17]	B318891	1.5	200	5	1000	200	50	10/04/22
22I1802-19RE1 [SVE 18]	B318891	1.5	200	5	1000	200	200	10/04/22
22I1802-20RE1 [Influent]	B318891	1.5	200	5	1000	200	200	10/04/22
22I1802-20RE2 [Influent]	B318891	1.5	200	5	1000	200	100	10/04/22
22I1802-22RE1 [Effluent Duplicate]	B318891	1.5	200	5	1000	200	100	10/04/22

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Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B318751 - TO-15 Prep											
Blank (B318751-BLK1)					Prepared & Analyzed: 10/03/22						
Acetone	ND	1.4									
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.35									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.070									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									L-03
Ethyl Acetate	ND	0.35									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.35									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Propene	ND	1.4									
Styrene	ND	0.035									

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B318751 - TO-15 Prep											
Blank (B318751-BLK1)					Prepared & Analyzed: 10/03/22						
1,1,2,2-Tetrachloroethane	ND	0.035									
Tetrachloroethylene	ND	0.035									
Tetrahydrofuran	ND	0.35									
Toluene	ND	0.035									
1,2,4-Trichlorobenzene	ND	0.035									
1,1,1-Trichloroethane	ND	0.035									
1,1,2-Trichloroethane	ND	0.035									
Trichloroethylene	ND	0.035									
Trichlorofluoromethane (Freon 11)	ND	0.14									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14									
1,2,4-Trimethylbenzene	ND	0.035									
1,3,5-Trimethylbenzene	ND	0.035									
Vinyl Acetate	ND	0.70									
Vinyl Chloride	ND	0.035									
m&p-Xylene	ND	0.070									
o-Xylene	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*8.75*				*8.00*		*109*	*70-130*			
LCS (B318751-BS1)					Prepared & Analyzed: 10/03/22						
Acetone	4.59				5.00		91.8	70-130			
Benzene	4.46				5.00		89.3	70-130			
Benzyl chloride	4.70				5.00		94.1	70-130			
Bromodichloromethane	4.36				5.00		87.3	70-130			
Bromoform	4.92				5.00		98.4	70-130			
Bromomethane	4.32				5.00		86.4	70-130			
1,3-Butadiene	4.48				5.00		89.6	70-130			
2-Butanone (MEK)	4.49				5.00		89.8	70-130			
Carbon Disulfide	4.59				5.00		91.8	70-130			
Carbon Tetrachloride	4.61				5.00		92.2	70-130			
Chlorobenzene	4.31				5.00		86.3	70-130			
Chloroethane	4.40				5.00		87.9	70-130			
Chloroform	4.61				5.00		92.2	70-130			
Chloromethane	4.42				5.00		88.4	70-130			
Cyclohexane	4.52				5.00		90.5	70-130			
Dibromochloromethane	4.62				5.00		92.4	70-130			
1,2-Dibromoethane (EDB)	4.32				5.00		86.4	70-130			
1,2-Dichlorobenzene	4.81				5.00		96.3	70-130			
1,3-Dichlorobenzene	4.97				5.00		99.4	70-130			
1,4-Dichlorobenzene	4.98				5.00		99.5	70-130			
Dichlorodifluoromethane (Freon 12)	4.74				5.00		94.9	70-130			
1,1-Dichloroethane	4.72				5.00		94.5	70-130			
1,2-Dichloroethane	5.00				5.00		100	70-130			
1,1-Dichloroethylene	5.12				5.00		102	70-130			
cis-1,2-Dichloroethylene	4.67				5.00		93.4	70-130			
trans-1,2-Dichloroethylene	4.70				5.00		93.9	70-130			
1,2-Dichloropropane	4.50				5.00		90.1	70-130			

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Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B318751 - TO-15 Prep												
LCS (B318751-BS1)					Prepared & Analyzed: 10/03/22							
cis-1,3-Dichloropropene	4.46				5.00		89.2		70-130			
trans-1,3-Dichloropropene	4.57				5.00		91.4		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.46				5.00		89.3		70-130			
1,4-Dioxane	4.20				5.00		84.0		70-130			
Ethanol	3.29				5.00		**65.8**	*	70-130			L-03
Ethyl Acetate	4.66				5.00		93.2		70-130			
Ethylbenzene	4.48				5.00		89.7		70-130			
4-Ethyltoluene	4.88				5.00		97.6		70-130			
Heptane	4.56				5.00		91.2		70-130			
Hexachlorobutadiene	4.24				5.00		84.8		70-130			
Hexane	5.02				5.00		100		70-130			
2-Hexanone (MBK)	4.28				5.00		85.5		70-130			
Isopropanol	3.64				5.00		72.9		70-130			
Methyl tert-Butyl Ether (MTBE)	4.70				5.00		94.0		70-130			
Methylene Chloride	4.26				5.00		85.2		70-130			
4-Methyl-2-pentanone (MIBK)	4.43				5.00		88.7		70-130			
Naphthalene	4.17				5.00		83.3		70-130			
Propene	4.12				5.00		82.4		70-130			
Styrene	4.74				5.00		94.9		70-130			
1,1,2,2-Tetrachloroethane	4.16				5.00		83.3		70-130			
Tetrachloroethylene	4.74				5.00		94.8		70-130			
Tetrahydrofuran	4.78				5.00		95.5		70-130			
Toluene	4.36				5.00		87.2		70-130			
1,2,4-Trichlorobenzene	3.97				5.00		79.4		70-130			
1,1,1-Trichloroethane	4.25				5.00		85.0		70-130			
1,1,2-Trichloroethane	4.24				5.00		84.8		70-130			
Trichloroethylene	4.45				5.00		89.0		70-130			
Trichlorofluoromethane (Freon 11)	4.91				5.00		98.2		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.68				5.00		93.7		70-130			
1,2,4-Trimethylbenzene	4.78				5.00		95.6		70-130			
1,3,5-Trimethylbenzene	4.79				5.00		95.9		70-130			
Vinyl Acetate	3.96				5.00		79.2		70-130			
Vinyl Chloride	4.73				5.00		94.6		70-130			
m&p-Xylene	9.21				10.0		92.1		70-130			
o-Xylene	4.68				5.00		93.6		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*9.38*				*8.00*		*117*		*70-130*			

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B318770 - TO-15 Prep											
Blank (B318770-BLK1)					Prepared & Analyzed: 10/03/22						
Acetone	ND	0.80									
Benzene	ND	0.020									
Benzyl chloride	ND	0.020									
Bromodichloromethane	ND	0.020									
Bromoform	ND	0.020									
Bromomethane	ND	0.020									
1,3-Butadiene	ND	0.020									
2-Butanone (MEK)	ND	0.80									
Carbon Disulfide	ND	0.20									
Carbon Tetrachloride	ND	0.020									
Chlorobenzene	ND	0.020									
Chloroethane	ND	0.020									
Chloroform	ND	0.020									
Chloromethane	ND	0.040									
Cyclohexane	ND	0.020									
Dibromochloromethane	ND	0.020									
1,2-Dibromoethane (EDB)	ND	0.020									
1,2-Dichlorobenzene	ND	0.020									
1,3-Dichlorobenzene	ND	0.020									
1,4-Dichlorobenzene	ND	0.020									
Dichlorodifluoromethane (Freon 12)	ND	0.020									
1,1-Dichloroethane	ND	0.020									
1,2-Dichloroethane	ND	0.020									
1,1-Dichloroethylene	ND	0.020									
cis-1,2-Dichloroethylene	ND	0.020									
trans-1,2-Dichloroethylene	ND	0.020									
1,2-Dichloropropane	ND	0.020									
cis-1,3-Dichloropropene	ND	0.020									
trans-1,3-Dichloropropene	ND	0.020									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.020									
1,4-Dioxane	ND	0.20									
Ethanol	ND	0.80									
Ethyl Acetate	ND	0.20									
Ethylbenzene	ND	0.020									
4-Ethyltoluene	ND	0.020									
Heptane	ND	0.020									
Hexachlorobutadiene	ND	0.020									L-03
Hexane	ND	0.80									
2-Hexanone (MBK)	ND	0.020									
Isopropanol	ND	0.80									
Methyl tert-Butyl Ether (MTBE)	ND	0.020									
Methylene Chloride	ND	0.20									
4-Methyl-2-pentanone (MIBK)	ND	0.020									
Naphthalene	ND	0.020									L-03
Propene	ND	0.80									
Styrene	ND	0.020									

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B318770 - TO-15 Prep												
Blank (B318770-BLK1)					Prepared & Analyzed: 10/03/22							
1,1,2,2-Tetrachloroethane	ND	0.020										
Tetrachloroethylene	ND	0.020										
Tetrahydrofuran	ND	0.20										
Toluene	ND	0.020										
1,2,4-Trichlorobenzene	ND	0.020										
1,1,1-Trichloroethane	ND	0.020										
1,1,2-Trichloroethane	ND	0.020										
Trichloroethylene	ND	0.020										
Trichlorofluoromethane (Freon 11)	ND	0.080										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.080										
1,2,4-Trimethylbenzene	ND	0.020										
1,3,5-Trimethylbenzene	ND	0.020										
Vinyl Acetate	ND	0.40										
Vinyl Chloride	ND	0.020										
m&p-Xylene	ND	0.040										
o-Xylene	ND	0.020										
Surrogate: 4-Bromofluorobenzene (1)	*7.31*				*8.00*		*91.4*		*70-130*			
LCS (B318770-BS1)					Prepared & Analyzed: 10/03/22							
Acetone	5.18				5.00		104		70-130			
Benzene	5.13				5.00		103		70-130			
Benzyl chloride	6.94				5.00		**139**	*	70-130			V-20, V-36
Bromodichloromethane	5.17				5.00		103		70-130			
Bromoform	4.99				5.00		99.9		70-130			
Bromomethane	5.39				5.00		108		70-130			
1,3-Butadiene	5.33				5.00		107		70-130			
2-Butanone (MEK)	4.99				5.00		99.8		70-130			
Carbon Disulfide	5.16				5.00		103		70-130			
Carbon Tetrachloride	5.08				5.00		102		70-130			
Chlorobenzene	4.99				5.00		99.8		70-130			
Chloroethane	5.37				5.00		107		70-130			
Chloroform	4.98				5.00		99.7		70-130			
Chloromethane	5.38				5.00		108		70-130			
Cyclohexane	5.15				5.00		103		70-130			
Dibromochloromethane	5.31				5.00		106		70-130			
1,2-Dibromoethane (EDB)	5.22				5.00		104		70-130			
1,2-Dichlorobenzene	5.08				5.00		102		70-130			
1,3-Dichlorobenzene	5.26				5.00		105		70-130			
1,4-Dichlorobenzene	5.70				5.00		114		70-130			
Dichlorodifluoromethane (Freon 12)	5.51				5.00		110		70-130			
1,1-Dichloroethane	5.64				5.00		113		70-130			
1,2-Dichloroethane	5.20				5.00		104		70-130			
1,1-Dichloroethylene	5.21				5.00		104		70-130			
cis-1,2-Dichloroethylene	4.81				5.00		96.2		70-130			
trans-1,2-Dichloroethylene	5.27				5.00		105		70-130			

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Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B318770 - TO-15 Prep												
LCS (B318770-BS1)					Prepared & Analyzed: 10/03/22							
1,2-Dichloropropane	5.20				5.00		104		70-130			
cis-1,3-Dichloropropene	5.17				5.00		103		70-130			
trans-1,3-Dichloropropene	5.42				5.00		108		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.01				5.00		100		70-130			
1,4-Dioxane	5.10				5.00		102		70-130			
Ethanol	4.00				5.00		80.0		70-130			
Ethyl Acetate	5.29				5.00		106		70-130			
Ethylbenzene	5.19				5.00		104		70-130			
4-Ethyltoluene	5.45				5.00		109		70-130			
Heptane	5.56				5.00		111		70-130			
Hexachlorobutadiene	3.32				5.00		**66.4**	*	70-130			L-03
Hexane	5.43				5.00		109		70-130			
2-Hexanone (MBK)	6.16				5.00		123		70-130			
Isopropanol	4.52				5.00		90.4		70-130			
Methyl tert-Butyl Ether (MTBE)	6.42				5.00		128		70-130			V-20
Methylene Chloride	4.95				5.00		99.0		70-130			
4-Methyl-2-pentanone (MIBK)	4.72				5.00		94.5		70-130			V-20
Naphthalene	3.27				5.00		**65.4**	*	70-130			L-03
Propene	5.78				5.00		116		70-130			
Styrene	5.44				5.00		109		70-130			
1,1,2,2-Tetrachloroethane	5.20				5.00		104		70-130			
Tetrachloroethylene	4.73				5.00		94.6		70-130			
Tetrahydrofuran	5.31				5.00		106		70-130			
Toluene	5.13				5.00		103		70-130			
1,2,4-Trichlorobenzene	3.68				5.00		73.5		70-130			V-36
1,1,1-Trichloroethane	5.29				5.00		106		70-130			
1,1,2-Trichloroethane	5.18				5.00		104		70-130			
Trichloroethylene	5.06				5.00		101		70-130			
Trichlorofluoromethane (Freon 11)	5.47				5.00		109		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.44				5.00		109		70-130			
1,2,4-Trimethylbenzene	5.38				5.00		108		70-130			
1,3,5-Trimethylbenzene	5.50				5.00		110		70-130			
Vinyl Acetate	4.60				5.00		92.0		70-130			
Vinyl Chloride	5.41				5.00		108		70-130			
m&p-Xylene	11.2				10.0		112		70-130			
o-Xylene	5.56				5.00		111		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.10*				*8.00*		*101*		*70-130*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B318872 - TO-15 Prep											
Blank (B318872-BLK1)					Prepared & Analyzed: 10/04/22						
Acetone	ND	1.4									
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.35									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.070									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									L-03
Ethyl Acetate	ND	0.35									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.35									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Propene	ND	1.4									
Styrene	ND	0.035									

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B318872 - TO-15 Prep											
Blank (B318872-BLK1)					Prepared & Analyzed: 10/04/22						
1,1,2,2-Tetrachloroethane	ND	0.035									
Tetrachloroethylene	ND	0.035									
Tetrahydrofuran	ND	0.35									
Toluene	ND	0.035									
1,2,4-Trichlorobenzene	ND	0.035									
1,1,1-Trichloroethane	ND	0.035									
1,1,2-Trichloroethane	ND	0.035									
Trichloroethylene	ND	0.035									
Trichlorofluoromethane (Freon 11)	ND	0.14									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14									
1,2,4-Trimethylbenzene	ND	0.035									
1,3,5-Trimethylbenzene	ND	0.035									
Vinyl Acetate	ND	0.70									
Vinyl Chloride	ND	0.035									
m&p-Xylene	ND	0.070									
o-Xylene	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*8.85*				*8.00*		*111*	*70-130*			
LCS (B318872-BS1)					Prepared & Analyzed: 10/04/22						
Acetone	4.64				5.00		92.9	70-130			
Benzene	4.46				5.00		89.3	70-130			
Benzyl chloride	4.64				5.00		92.8	70-130			
Bromodichloromethane	4.41				5.00		88.2	70-130			
Bromoform	4.89				5.00		97.8	70-130			
Bromomethane	4.32				5.00		86.4	70-130			
1,3-Butadiene	4.46				5.00		89.1	70-130			
2-Butanone (MEK)	4.50				5.00		90.0	70-130			
Carbon Disulfide	4.54				5.00		90.7	70-130			
Carbon Tetrachloride	4.60				5.00		92.1	70-130			
Chlorobenzene	4.35				5.00		86.9	70-130			
Chloroethane	4.45				5.00		89.0	70-130			
Chloroform	4.53				5.00		90.6	70-130			
Chloromethane	4.44				5.00		88.7	70-130			
Cyclohexane	4.55				5.00		91.0	70-130			
Dibromochloromethane	4.67				5.00		93.5	70-130			
1,2-Dibromoethane (EDB)	4.35				5.00		87.0	70-130			
1,2-Dichlorobenzene	4.82				5.00		96.5	70-130			
1,3-Dichlorobenzene	4.92				5.00		98.3	70-130			
1,4-Dichlorobenzene	5.00				5.00		100	70-130			
Dichlorodifluoromethane (Freon 12)	4.46				5.00		89.3	70-130			
1,1-Dichloroethane	4.69				5.00		93.9	70-130			
1,2-Dichloroethane	4.92				5.00		98.4	70-130			
1,1-Dichloroethylene	4.69				5.00		93.8	70-130			
cis-1,2-Dichloroethylene	4.69				5.00		93.7	70-130			
trans-1,2-Dichloroethylene	4.72				5.00		94.5	70-130			
1,2-Dichloropropane	4.56				5.00		91.3	70-130			

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B318872 - TO-15 Prep												
LCS (B318872-BS1)					Prepared & Analyzed: 10/04/22							
cis-1,3-Dichloropropene	4.49				5.00		89.8		70-130			
trans-1,3-Dichloropropene	4.58				5.00		91.6		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.28				5.00		85.5		70-130			
1,4-Dioxane	4.25				5.00		84.9		70-130			
Ethanol	3.34				5.00		**66.8**	*	70-130			L-03
Ethyl Acetate	4.56				5.00		91.3		70-130			
Ethylbenzene	4.48				5.00		89.7		70-130			
4-Ethyltoluene	4.91				5.00		98.2		70-130			
Heptane	4.67				5.00		93.4		70-130			
Hexachlorobutadiene	4.00				5.00		80.1		70-130			
Hexane	5.01				5.00		100		70-130			
2-Hexanone (MBK)	4.42				5.00		88.4		70-130			
Isopropanol	3.67				5.00		73.5		70-130			
Methyl tert-Butyl Ether (MTBE)	4.62				5.00		92.5		70-130			
Methylene Chloride	4.41				5.00		88.2		70-130			
4-Methyl-2-pentanone (MIBK)	4.51				5.00		90.2		70-130			
Naphthalene	4.19				5.00		83.8		70-130			
Propene	4.18				5.00		83.7		70-130			
Styrene	4.76				5.00		95.2		70-130			
1,1,2,2-Tetrachloroethane	4.22				5.00		84.3		70-130			
Tetrachloroethylene	4.66				5.00		93.2		70-130			
Tetrahydrofuran	4.68				5.00		93.5		70-130			
Toluene	4.40				5.00		88.1		70-130			
1,2,4-Trichlorobenzene	3.94				5.00		78.8		70-130			
1,1,1-Trichloroethane	4.26				5.00		85.2		70-130			
1,1,2-Trichloroethane	4.27				5.00		85.4		70-130			
Trichloroethylene	4.46				5.00		89.2		70-130			
Trichlorofluoromethane (Freon 11)	4.88				5.00		97.7		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.57				5.00		91.5		70-130			
1,2,4-Trimethylbenzene	4.82				5.00		96.3		70-130			
1,3,5-Trimethylbenzene	4.83				5.00		96.5		70-130			
Vinyl Acetate	3.96				5.00		79.3		70-130			
Vinyl Chloride	4.62				5.00		92.3		70-130			
m&p-Xylene	9.25				10.0		92.5		70-130			
o-Xylene	4.67				5.00		93.4		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*9.22*				*8.00*		*115*		*70-130*			

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B318872 - TO-15 Prep											
Duplicate (B318872-DUP1)			**Source: 22I1802-05**		Prepared & Analyzed: 10/04/22						
Acetone	ND	8.0	ND	19		ND				25	
Benzene	0.18	0.20	0.59	0.64		0.18			0.00	25	J
Benzyl chloride	ND	0.20	ND	1.0		ND				25	
Bromodichloromethane	ND	0.20	ND	1.3		ND				25	
Bromoform	ND	0.20	ND	2.1		ND				25	
Bromomethane	ND	0.20	ND	0.78		ND				25	
1,3-Butadiene	ND	0.20	ND	0.44		ND				25	
2-Butanone (MEK)	ND	8.0	ND	24		ND				25	
Carbon Disulfide	ND	2.0	ND	6.2		ND				25	
Carbon Tetrachloride	ND	0.20	ND	1.3		ND				25	
Chlorobenzene	ND	0.20	ND	0.92		ND				25	
Chloroethane	ND	0.20	ND	0.53		ND				25	
Chloroform	ND	0.20	ND	0.98		ND				25	
Chloromethane	0.42	0.40	0.88	0.83		0.44			4.61	25	
Cyclohexane	ND	0.20	ND	0.69		ND				25	
Dibromochloromethane	ND	0.20	ND	1.7		ND				25	
1,2-Dibromoethane (EDB)	ND	0.20	ND	1.5		ND				25	
1,2-Dichlorobenzene	ND	0.20	ND	1.2		ND				25	
1,3-Dichlorobenzene	ND	0.20	ND	1.2		ND				25	
1,4-Dichlorobenzene	ND	0.20	ND	1.2		ND				25	
Dichlorodifluoromethane (Freon 12)	0.36	0.20	1.8	0.99		0.35			1.13	25	
1,1-Dichloroethane	ND	0.20	ND	0.81		ND				25	
1,2-Dichloroethane	ND	0.20	ND	0.81		ND				25	
1,1-Dichloroethylene	ND	0.20	ND	0.79		ND				25	
cis-1,2-Dichloroethylene	15	0.20	58	0.79		15			0.0814	25	
trans-1,2-Dichloroethylene	ND	0.20	ND	0.79		ND				25	
1,2-Dichloropropane	ND	0.20	ND	0.92		ND				25	
cis-1,3-Dichloropropene	ND	0.20	ND	0.91		ND				25	
trans-1,3-Dichloropropene	ND	0.20	ND	0.91		ND				25	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	ND	1.4		ND				25	
1,4-Dioxane	ND	2.0	ND	7.2		ND				25	
Ethanol	ND	8.0	ND	15		ND				25	L-03
Ethyl Acetate	ND	2.0	ND	7.2		ND				25	
Ethylbenzene	ND	0.20	ND	0.87		ND				25	
4-Ethyltoluene	0.14	0.20	0.67	0.98		0.16			13.7	25	J
Heptane	0.14	0.20	0.59	0.82		0.16			10.5	25	J
Hexachlorobutadiene	ND	0.20	ND	2.1		ND				25	
Hexane	ND	8.0	ND	28		ND				25	
2-Hexanone (MBK)	ND	0.20	ND	0.82		ND				25	
Isopropanol	ND	8.0	ND	20		ND				25	
Methyl tert-Butyl Ether (MTBE)	ND	0.20	ND	0.72		ND				25	
Methylene Chloride	ND	2.0	ND	6.9		ND				25	
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82		ND				25	
Naphthalene	ND	0.20	ND	1.0		ND				25	
Propene	ND	8.0	ND	14		ND				25	
Styrene	ND	0.20	ND	0.85		ND				25	

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Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B318872 - TO-15 Prep											
Duplicate (B318872-DUP1)			**Source: 22I1802-05**		Prepared & Analyzed: 10/04/22						
1,1,2,2-Tetrachloroethane	ND	0.20	ND	1.4		ND				25	
Tetrachloroethylene	120	0.20	840	1.4		120			3.80	25	
Tetrahydrofuran	2.5	2.0	7.3	5.9		2.5			0.968	25	
Toluene	0.55	0.20	2.1	0.75		0.57			3.56	25	
1,2,4-Trichlorobenzene	ND	0.20	ND	1.5		ND				25	
1,1,1-Trichloroethane	ND	0.20	ND	1.1		ND				25	
1,1,2-Trichloroethane	ND	0.20	ND	1.1		ND				25	
Trichloroethylene	4.2	0.20	22	1.1		4.4			6.42	25	
Trichlorofluoromethane (Freon 11)	ND	0.80	ND	4.5		ND				25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	ND	6.1		ND				25	
1,2,4-Trimethylbenzene	0.50	0.20	2.5	0.98		0.66			27.4	25	R-04
1,3,5-Trimethylbenzene	0.61	0.20	3.0	0.98		0.69			12.3	25	
Vinyl Acetate	ND	4.0	ND	14		ND				25	
Vinyl Chloride	ND	0.20	ND	0.51		ND				25	
m&p-Xylene	0.42	0.40	1.8	1.7		0.46			10.0	25	
o-Xylene	0.19	0.20	0.82	0.87		0.20			6.19	25	J
Surrogate: 4-Bromofluorobenzene (1)	*9.12*				*8.00*		*114*	*70-130*			
Batch B318891 - TO-15 Prep											
Blank (B318891-BLK1)					Prepared & Analyzed: 10/04/22						
Acetone	ND	0.80									
Benzene	ND	0.020									
Benzyl chloride	ND	0.020									
Bromodichloromethane	ND	0.020									
Bromoform	ND	0.020									
Bromomethane	ND	0.020									
1,3-Butadiene	ND	0.020									
2-Butanone (MEK)	ND	0.80									
Carbon Disulfide	ND	0.20									
Carbon Tetrachloride	ND	0.020									
Chlorobenzene	ND	0.020									
Chloroethane	ND	0.020									
Chloroform	ND	0.020									
Chloromethane	ND	0.040									
Cyclohexane	ND	0.020									
Dibromochloromethane	ND	0.020									
1,2-Dibromoethane (EDB)	ND	0.020									
1,2-Dichlorobenzene	ND	0.020									
1,3-Dichlorobenzene	ND	0.020									
1,4-Dichlorobenzene	ND	0.020									
Dichlorodifluoromethane (Freon 12)	ND	0.020									
1,1-Dichloroethane	ND	0.020									
1,2-Dichloroethane	ND	0.020									
1,1-Dichloroethylene	ND	0.020									
cis-1,2-Dichloroethylene	ND	0.020									

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B318891 - TO-15 Prep											
Blank (B318891-BLK1)					Prepared & Analyzed: 10/04/22						
trans-1,2-Dichloroethylene	ND	0.020									
1,2-Dichloropropane	ND	0.020									
cis-1,3-Dichloropropene	ND	0.020									
trans-1,3-Dichloropropene	ND	0.020									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.020									
1,4-Dioxane	ND	0.20									
Ethanol	ND	0.80									
Ethyl Acetate	ND	0.20									
Ethylbenzene	ND	0.020									
4-Ethyltoluene	ND	0.020									
Heptane	ND	0.020									
Hexachlorobutadiene	ND	0.020									L-03
Hexane	ND	0.80									
2-Hexanone (MBK)	ND	0.020									
Isopropanol	ND	0.80									
Methyl tert-Butyl Ether (MTBE)	ND	0.020									
Methylene Chloride	ND	0.20									
4-Methyl-2-pentanone (MIBK)	ND	0.020									
Naphthalene	ND	0.020									L-03
Propene	ND	0.80									
Styrene	ND	0.020									
1,1,2,2-Tetrachloroethane	ND	0.020									
Tetrachloroethylene	ND	0.020									
Tetrahydrofuran	ND	0.20									
Toluene	ND	0.020									
1,2,4-Trichlorobenzene	ND	0.020									
1,1,1-Trichloroethane	ND	0.020									
1,1,2-Trichloroethane	ND	0.020									
Trichloroethylene	ND	0.020									
Trichlorofluoromethane (Freon 11)	ND	0.080									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.080									
1,2,4-Trimethylbenzene	ND	0.020									
1,3,5-Trimethylbenzene	ND	0.020									
Vinyl Acetate	ND	0.40									L-03
Vinyl Chloride	ND	0.020									
m&p-Xylene	ND	0.040									
o-Xylene	ND	0.020									
Surrogate: 4-Bromofluorobenzene (1)	*7.15*				*8.00*		*89.4*	*70-130*			

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B318891 - TO-15 Prep												
LCS (B318891-BS1)					Prepared & Analyzed: 10/04/22							
Acetone	5.37				5.00		107		70-130			
Benzene	5.49				5.00		110		70-130			
Benzyl chloride	6.76				5.00		**135**	*	70-130			V-20, V-36
Bromodichloromethane	5.40				5.00		108		70-130			
Bromoform	5.09				5.00		102		70-130			
Bromomethane	5.76				5.00		115		70-130			
1,3-Butadiene	5.80				5.00		116		70-130			
2-Butanone (MEK)	5.61				5.00		112		70-130			
Carbon Disulfide	5.62				5.00		112		70-130			
Carbon Tetrachloride	5.00				5.00		100		70-130			
Chlorobenzene	5.14				5.00		103		70-130			
Chloroethane	5.81				5.00		116		70-130			
Chloroform	5.31				5.00		106		70-130			
Chloromethane	5.70				5.00		114		70-130			
Cyclohexane	5.88				5.00		118		70-130			
Dibromochloromethane	5.35				5.00		107		70-130			
1,2-Dibromoethane (EDB)	5.34				5.00		107		70-130			
1,2-Dichlorobenzene	5.14				5.00		103		70-130			
1,3-Dichlorobenzene	5.20				5.00		104		70-130			
1,4-Dichlorobenzene	5.58				5.00		112		70-130			
Dichlorodifluoromethane (Freon 12)	5.78				5.00		116		70-130			
1,1-Dichloroethane	5.99				5.00		120		70-130			
1,2-Dichloroethane	5.34				5.00		107		70-130			
1,1-Dichloroethylene	5.58				5.00		112		70-130			
cis-1,2-Dichloroethylene	5.26				5.00		105		70-130			
trans-1,2-Dichloroethylene	5.63				5.00		113		70-130			
1,2-Dichloropropane	5.51				5.00		110		70-130			
cis-1,3-Dichloropropene	5.43				5.00		109		70-130			
trans-1,3-Dichloropropene	5.65				5.00		113		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.46				5.00		109		70-130			
1,4-Dioxane	5.64				5.00		113		70-130			
Ethanol	4.38				5.00		87.7		70-130			
Ethyl Acetate	6.35				5.00		127		70-130			
Ethylbenzene	5.47				5.00		109		70-130			
4-Ethyltoluene	5.62				5.00		112		70-130			
Heptane	5.55				5.00		111		70-130			
Hexachlorobutadiene	3.26				5.00		**65.2**	*	70-130			L-03
Hexane	5.65				5.00		113		70-130			
2-Hexanone (MBK)	5.70				5.00		114		70-130			
Isopropanol	4.72				5.00		94.5		70-130			
Methyl tert-Butyl Ether (MTBE)	6.97				5.00		**139**	*	70-130			L-01, V-20
Methylene Chloride	5.15				5.00		103		70-130			
4-Methyl-2-pentanone (MIBK)	4.80				5.00		96.1		70-130			
Naphthalene	3.30				5.00		**66.0**	*	70-130			L-03
Propene	5.95				5.00		119		70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B318891 - TO-15 Prep												
LCS (B318891-BS1)					Prepared & Analyzed: 10/04/22							
Styrene	5.67				5.00		113		70-130			
1,1,2,2-Tetrachloroethane	5.18				5.00		104		70-130			
Tetrachloroethylene	4.94				5.00		98.8		70-130			
Tetrahydrofuran	5.80				5.00		116		70-130			
Toluene	5.40				5.00		108		70-130			
1,2,4-Trichlorobenzene	3.64				5.00		72.7		70-130			V-36
1,1,1-Trichloroethane	5.56				5.00		111		70-130			
1,1,2-Trichloroethane	5.47				5.00		109		70-130			
Trichloroethylene	5.28				5.00		106		70-130			
Trichlorofluoromethane (Freon 11)	5.77				5.00		115		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.96				5.00		119		70-130			
1,2,4-Trimethylbenzene	5.39				5.00		108		70-130			
1,3,5-Trimethylbenzene	5.73				5.00		115		70-130			
Vinyl Acetate	3.14				5.00		**62.9**	*	70-130			L-03
Vinyl Chloride	5.87				5.00		117		70-130			
m&p-Xylene	11.7				10.0		117		70-130			
o-Xylene	5.65				5.00		113		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*7.86*				*8.00*		*98.2*		*70-130*			

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Note: Blank Subtraction is not performed unless otherwise noted

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
R-04	Duplicate relative percent difference (RPD) is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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ANALYST

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RLF	Rebecca Faust
RJM	Raymond J. McCarthy
STATION	PDF Management Station
BRF	Brittany R. Fisk

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S069304-ICV1)			Lab File ID: K22A075019.D			Analyzed: 03/16/22 23:55			
Bromochloromethane (1)	104138	2.987	104138	2.987	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	315817	3.584	315817	3.584	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	233658	5.159	233658	5.159	100	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S076501-ICV1)			Lab File ID: G22A256016.D			Analyzed: 09/13/22 22:00			
Bromochloromethane (1)	1141026	8.307	1141026	8.307	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2751702	10.081	2751702	10.081	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2471195	14.446	2471195	14.446	100	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S077377-CCV1)			Lab File ID: G22A276004.D			Analyzed: 10/03/22 10:02			
Bromochloromethane (1)	847379	8.307	847379	8.307	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2041667	10.081	2041667	10.081	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1948424	14.446	1948424	14.446	100	60 - 140	0.0000	+/-0.50	
LCS (B318751-BS1)			Lab File ID: G22A276005.D			Analyzed: 10/03/22 10:42			
Bromochloromethane (1)	866213	8.307	847379	8.307	102	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2149495	10.081	2041667	10.081	105	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2040219	14.446	1948424	14.446	105	60 - 140	0.0000	+/-0.50	
Blank (B318751-BLK1)			Lab File ID: G22A276011.D			Analyzed: 10/03/22 15:35			
Bromochloromethane (1)	762484	8.307	847379	8.307	90	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1757299	10.081	2041667	10.081	86	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1657729	14.446	1948424	14.446	85	60 - 140	0.0000	+/-0.50	
SVE 1 (22I1802-01)			Lab File ID: G22A276028.D			Analyzed: 10/04/22 03:18			
Bromochloromethane (1)	720402	8.307	847379	8.307	85	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1667909	10.081	2041667	10.081	82	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1586891	14.446	1948424	14.446	81	60 - 140	0.0000	+/-0.50	
SVE 3 (22I1802-03)			Lab File ID: G22A276031.D			Analyzed: 10/04/22 05:27			
Bromochloromethane (1)	809835	8.307	847379	8.307	96	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1960631	10.081	2041667	10.081	96	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1854131	14.446	1948424	14.446	95	60 - 140	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
SVE 4 (22I1802-04)			Lab File ID: G22A276032.D			Analyzed: 10/04/22 06:06			
Bromochloromethane (1)	751868	8.307	847379	8.307	89	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1734124	10.081	2041667	10.081	85	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1672754	14.446	1948424	14.446	86	60 - 140	0.0000	+/-0.50	
SVE 4 (22I1802-04RE1)			Lab File ID: G22A276033.D			Analyzed: 10/04/22 06:47			
Bromochloromethane (1)	767864	8.307	847379	8.307	91	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1844414	10.081	2041667	10.081	90	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1725843	14.446	1948424	14.446	89	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S077389-CCV1)			Lab File ID: K22A276004.D			Analyzed: 10/03/22 09:51			
Bromochloromethane (1)	86077	2.991	86077	2.991	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	227656	3.583	227656	3.583	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	178525	5.163	178525	5.163	100	60 - 140	0.0000	+/-0.50	
LCS (B318770-BS1)			Lab File ID: K22A276005.D			Analyzed: 10/03/22 10:18			
Bromochloromethane (1)	88923	2.991	86077	2.991	103	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	244812	3.583	227656	3.583	108	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	180354	5.163	178525	5.163	101	60 - 140	0.0000	+/-0.50	
Blank (B318770-BLK1)			Lab File ID: K22A276010.D			Analyzed: 10/03/22 12:58			
Bromochloromethane (1)	87704	2.996	86077	2.991	102	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	220949	3.588	227656	3.583	97	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	168494	5.163	178525	5.163	94	60 - 140	0.0000	+/-0.50	
SVE 11 (22I1802-11)			Lab File ID: K22A276016.D			Analyzed: 10/03/22 17:08			
Bromochloromethane (1)	88141	2.996	86077	2.991	102	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	262855	3.588	227656	3.583	115	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	198918	5.163	178525	5.163	111	60 - 140	0.0000	+/-0.50	
SVE 12 (22I1802-12)			Lab File ID: K22A276017.D			Analyzed: 10/03/22 17:36			
Bromochloromethane (1)	95186	2.996	86077	2.991	111	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	271786	3.588	227656	3.583	119	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	203274	5.163	178525	5.163	114	60 - 140	0.0000	+/-0.50	
SVE 13 (22I1802-13)			Lab File ID: K22A276018.D			Analyzed: 10/03/22 18:05			
Bromochloromethane (1)	94397	2.996	86077	2.991	110	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	276907	3.588	227656	3.583	122	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	210904	5.163	178525	5.163	118	60 - 140	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
SVE 14 (22I1802-14)			Lab File ID: K22A276019.D			Analyzed: 10/03/22 18:34			
Bromochloromethane (1)	96069	2.996	86077	2.991	112	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	290667	3.588	227656	3.583	128	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	217881	5.163	178525	5.163	122	60 - 140	0.0000	+/-0.50	
SVE 15 (22I1802-15)			Lab File ID: K22A276020.D			Analyzed: 10/03/22 19:02			
Bromochloromethane (1)	95947	2.996	86077	2.991	111	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	287969	3.588	227656	3.583	126	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	222418	5.163	178525	5.163	125	60 - 140	0.0000	+/-0.50	
SVE 15 Duplicate (22I1802-16)			Lab File ID: K22A276021.D			Analyzed: 10/03/22 19:31			
Bromochloromethane (1)	97833	2.996	86077	2.991	114	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	295774	3.588	227656	3.583	130	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	225185	5.163	178525	5.163	126	60 - 140	0.0000	+/-0.50	
SVE 16 (22I1802-17)			Lab File ID: K22A276022.D			Analyzed: 10/03/22 19:59			
Bromochloromethane (1)	101463	2.991	86077	2.991	118	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	245393	3.583	227656	3.583	108	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	228439	5.163	178525	5.163	128	60 - 140	0.0000	+/-0.50	
SVE 17 (22I1802-18)			Lab File ID: K22A276023.D			Analyzed: 10/03/22 20:28			
Bromochloromethane (1)	101360	2.991	86077	2.991	118	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	248103	3.583	227656	3.583	109	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	224229	5.163	178525	5.163	126	60 - 140	0.0000	+/-0.50	
SVE 18 (22I1802-19)			Lab File ID: K22A276024.D			Analyzed: 10/03/22 20:57			
Bromochloromethane (1)	102882	3.001	86077	2.991	120	60 - 140	0.0100	+/-0.50	
1,4-Difluorobenzene (1)	298373	3.588	227656	3.583	131	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	224507	5.163	178525	5.163	126	60 - 140	0.0000	+/-0.50	
Influent (22I1802-20)			Lab File ID: K22A276025.D			Analyzed: 10/03/22 21:25			
Bromochloromethane (1)	99274	2.996	86077	2.991	115	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	298024	3.588	227656	3.583	131	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	229165	5.163	178525	5.163	128	60 - 140	0.0000	+/-0.50	
Effluent (22I1802-21)			Lab File ID: K22A276026.D			Analyzed: 10/03/22 21:53			
Bromochloromethane (1)	101494	2.996	86077	2.991	118	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	296105	3.588	227656	3.583	130	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	225174	5.163	178525	5.163	126	60 - 140	0.0000	+/-0.50	
Effluent Duplicate (22I1802-22)			Lab File ID: K22A276027.D			Analyzed: 10/03/22 22:21			
Bromochloromethane (1)	101084	2.996	86077	2.991	117	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	288818	3.588	227656	3.583	127	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	221718	5.163	178525	5.163	124	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S077451-CCV1)			Lab File ID: G22A277005.D			Analyzed: 10/04/22 11:25			
Bromochloromethane (1)	1101651	8.301	1101651	8.301	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2808634	10.075	2808634	10.075	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2625902	14.446	2625902	14.446	100	60 - 140	0.0000	+/-0.50	
LCS (B318872-BS1)			Lab File ID: G22A277006.D			Analyzed: 10/04/22 12:05			
Bromochloromethane (1)	1055689	8.301	1101651	8.301	96	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2566287	10.081	2808634	10.075	91	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2409314	14.446	2625902	14.446	92	60 - 140	0.0000	+/-0.50	
Blank (B318872-BLK1)			Lab File ID: G22A277009.D			Analyzed: 10/04/22 14:13			
Bromochloromethane (1)	981513	8.307	1101651	8.301	89	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2358726	10.081	2808634	10.075	84	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2214775	14.446	2625902	14.446	84	60 - 140	0.0000	+/-0.50	
SVE 2 (22I1802-02)			Lab File ID: G22A277013.D			Analyzed: 10/04/22 16:54			
Bromochloromethane (1)	919176	8.307	1101651	8.301	83	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2045357	10.081	2808634	10.075	73	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2011359	14.446	2625902	14.446	77	60 - 140	0.0000	+/-0.50	
SVE 2 (22I1802-02RE1)			Lab File ID: G22A277014.D			Analyzed: 10/04/22 17:33			
Bromochloromethane (1)	986605	8.313	1101651	8.301	90	60 - 140	0.0120	+/-0.50	
1,4-Difluorobenzene (1)	2352657	10.081	2808634	10.075	84	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2223319	14.446	2625902	14.446	85	60 - 140	0.0000	+/-0.50	
SVE 5 (22I1802-05)			Lab File ID: G22A277015.D			Analyzed: 10/04/22 18:13			
Bromochloromethane (1)	979147	8.307	1101651	8.301	89	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2383039	10.081	2808634	10.075	85	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2249314	14.446	2625902	14.446	86	60 - 140	0.0000	+/-0.50	
Duplicate (B318872-DUP1)			Lab File ID: G22A277016.D			Analyzed: 10/04/22 18:53			
Bromochloromethane (1)	1072867	8.313	1101651	8.301	97	60 - 140	0.0120	+/-0.50	
1,4-Difluorobenzene (1)	2769127	10.081	2808634	10.075	99	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2586038	14.446	2625902	14.446	98	60 - 140	0.0000	+/-0.50	
SVE 6 (22I1802-06)			Lab File ID: G22A277018.D			Analyzed: 10/04/22 20:12			
Bromochloromethane (1)	1023928	8.307	1101651	8.301	93	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2592980	10.081	2808634	10.075	92	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2494600	14.446	2625902	14.446	95	60 - 140	0.0000	+/-0.50	
SVE 7 (22I1802-07)			Lab File ID: G22A277020.D			Analyzed: 10/04/22 21:35			
Bromochloromethane (1)	955331	8.307	1101651	8.301	87	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2248039	10.081	2808634	10.075	80	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2133505	14.446	2625902	14.446	81	60 - 140	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
SVE 7 (22I1802-07RE1)			Lab File ID: G22A277021.D			Analyzed: 10/04/22 22:14			
Bromochloromethane (1)	945472	8.307	1101651	8.301	86	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2221864	10.081	2808634	10.075	79	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2100268	14.446	2625902	14.446	80	60 - 140	0.0000	+/-0.50	
SVE 8 (22I1802-08)			Lab File ID: G22A277022.D			Analyzed: 10/04/22 22:55			
Bromochloromethane (1)	894368	8.313	1101651	8.301	81	60 - 140	0.0120	+/-0.50	
1,4-Difluorobenzene (1)	2028944	10.081	2808634	10.075	72	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	1934781	14.446	2625902	14.446	74	60 - 140	0.0000	+/-0.50	
SVE 9 (22I1802-09)			Lab File ID: G22A277024.D			Analyzed: 10/05/22 00:18			
Bromochloromethane (1)	936474	8.307	1101651	8.301	85	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2187823	10.081	2808634	10.075	78	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2093896	14.446	2625902	14.446	80	60 - 140	0.0000	+/-0.50	
SVE 10 (22I1802-10)			Lab File ID: G22A277027.D			Analyzed: 10/05/22 02:19			
Bromochloromethane (1)	941621	8.307	1101651	8.301	85	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2062090	10.081	2808634	10.075	73	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	1961057	14.446	2625902	14.446	75	60 - 140	0.0000	+/-0.50	
SVE 10 (22I1802-10RE1)			Lab File ID: G22A277028.D			Analyzed: 10/05/22 03:03			
Bromochloromethane (1)	922505	8.307	1101651	8.301	84	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2052419	10.081	2808634	10.075	73	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	1913311	14.446	2625902	14.446	73	60 - 140	0.0000	+/-0.50	
SVE 6 (22I1802-06RE1)			Lab File ID: G22A277034.D			Analyzed: 10/05/22 07:05			
Bromochloromethane (1)	934422	8.307	1101651	8.301	85	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2209246	10.081	2808634	10.075	79	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2067238	14.446	2625902	14.446	79	60 - 140	0.0000	+/-0.50	
SVE 8 (22I1802-08RE1)			Lab File ID: G22A277035.D			Analyzed: 10/05/22 07:45			
Bromochloromethane (1)	986722	8.307	1101651	8.301	90	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2468846	10.081	2808634	10.075	88	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2341206	14.446	2625902	14.446	89	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S077465-CCV1)			Lab File ID: K22A277004.D			Analyzed: 10/04/22 10:27			
Bromochloromethane (1)	93216	2.991	93216	2.991	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	258538	3.583	258538	3.583	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	198771	5.163	198771	5.163	100	60 - 140	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (B318891-BS1)			Lab File ID: K22A277005.D			Analyzed: 10/04/22 10:55			
Bromochloromethane (1)	94108	2.996	93216	2.991	101	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	266298	3.588	258538	3.583	103	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	200121	5.163	198771	5.163	101	60 - 140	0.0000	+/-0.50	
Blank (B318891-BLK1)			Lab File ID: K22A277010.D			Analyzed: 10/04/22 13:31			
Bromochloromethane (1)	89507	2.996	93216	2.991	96	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	239227	3.588	258538	3.583	93	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	181636	5.163	198771	5.163	91	60 - 140	0.0000	+/-0.50	
SVE 11 (22I1802-11RE1)			Lab File ID: K22A277016.D			Analyzed: 10/04/22 16:24			
Bromochloromethane (1)	84007	2.996	93216	2.991	90	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	224763	3.588	258538	3.583	87	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	175203	5.163	198771	5.163	88	60 - 140	0.0000	+/-0.50	
SVE 11 (22I1802-11RE2)			Lab File ID: K22A277017.D			Analyzed: 10/04/22 16:52			
Bromochloromethane (1)	88790	2.996	93216	2.991	95	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	229657	3.588	258538	3.583	89	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	172411	5.163	198771	5.163	87	60 - 140	0.0000	+/-0.50	
SVE 12 (22I1802-12RE1)			Lab File ID: K22A277018.D			Analyzed: 10/04/22 17:20			
Bromochloromethane (1)	88377	2.996	93216	2.991	95	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	224163	3.588	258538	3.583	87	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	174185	5.163	198771	5.163	88	60 - 140	0.0000	+/-0.50	
SVE 13 (22I1802-13RE1)			Lab File ID: K22A277019.D			Analyzed: 10/04/22 17:50			
Bromochloromethane (1)	86376	2.996	93216	2.991	93	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	235458	3.588	258538	3.583	91	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	179136	5.163	198771	5.163	90	60 - 140	0.0000	+/-0.50	
SVE 14 (22I1802-14RE1)			Lab File ID: K22A277021.D			Analyzed: 10/04/22 18:47			
Bromochloromethane (1)	86450	2.996	93216	2.991	93	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	221437	3.588	258538	3.583	86	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	176365	5.163	198771	5.163	89	60 - 140	0.0000	+/-0.50	
SVE 14 (22I1802-14RE2)			Lab File ID: K22A277022.D			Analyzed: 10/04/22 19:14			
Bromochloromethane (1)	88640	2.996	93216	2.991	95	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	227101	3.588	258538	3.583	88	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	179308	5.163	198771	5.163	90	60 - 140	0.0000	+/-0.50	
SVE 15 (22I1802-15RE1)			Lab File ID: K22A277023.D			Analyzed: 10/04/22 19:42			
Bromochloromethane (1)	87293	2.996	93216	2.991	94	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	226440	3.588	258538	3.583	88	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	171872	5.163	198771	5.163	86	60 - 140	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
SVE 15 Duplicate (22I1802-16RE1)			Lab File ID: K22A277024.D			Analyzed: 10/04/22 20:09			
Bromochloromethane (1)	86927	2.996	93216	2.991	93	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	222789	3.588	258538	3.583	86	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	170022	5.163	198771	5.163	86	60 - 140	0.0000	+/-0.50	
SVE 16 (22I1802-17RE1)			Lab File ID: K22A277025.D			Analyzed: 10/04/22 20:38			
Bromochloromethane (1)	86442	2.996	93216	2.991	93	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	220321	3.588	258538	3.583	85	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	167780	5.163	198771	5.163	84	60 - 140	0.0000	+/-0.50	
SVE 17 (22I1802-18RE1)			Lab File ID: K22A277026.D			Analyzed: 10/04/22 21:05			
Bromochloromethane (1)	85412	2.996	93216	2.991	92	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	221562	3.588	258538	3.583	86	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	166592	5.163	198771	5.163	84	60 - 140	0.0000	+/-0.50	
SVE 18 (22I1802-19RE1)			Lab File ID: K22A277027.D			Analyzed: 10/04/22 21:35			
Bromochloromethane (1)	86815	2.996	93216	2.991	93	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	222662	3.588	258538	3.583	86	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	172013	5.163	198771	5.163	87	60 - 140	0.0000	+/-0.50	
Influent (22I1802-20RE1)			Lab File ID: K22A277028.D			Analyzed: 10/04/22 22:06			
Bromochloromethane (1)	87108	2.996	93216	2.991	93	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	220544	3.588	258538	3.583	85	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	172592	5.163	198771	5.163	87	60 - 140	0.0000	+/-0.50	
Influent (22I1802-20RE2)			Lab File ID: K22A277029.D			Analyzed: 10/04/22 22:34			
Bromochloromethane (1)	85293	2.991	93216	2.991	92	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	184542	3.583	258538	3.583	71	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	168025	5.163	198771	5.163	85	60 - 140	0.0000	+/-0.50	
Effluent Duplicate (22I1802-22RE1)			Lab File ID: K22A277030.D			Analyzed: 10/04/22 23:02			
Bromochloromethane (1)	85866	2.996	93216	2.991	92	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	225241	3.588	258538	3.583	87	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	171007	5.163	198771	5.163	86	60 - 140	0.0000	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S077377-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.73	1.084004	1.025277		-5.4	30
Benzene	A	5.00	4.55	0.9129288	0.8303717		-9.0	30
Benzyl chloride	A	5.00	5.03	1.030942	1.037607		0.6	30
Bromodichloromethane	A	5.00	4.52	0.6953811	0.6280256		-9.7	30
Bromoform	A	5.00	5.00	0.5656468	0.5662299		0.1	30
Bromomethane	A	5.00	4.28	0.6009459	0.5148223		-14.3	30
1,3-Butadiene	A	5.00	4.66	0.5443004	0.5070185		-6.8	30
2-Butanone (MEK)	A	5.00	4.51	1.507683	1.360698		-9.7	30
Carbon Disulfide	A	5.00	4.38	2.02748	1.777927		-12.3	30
Carbon Tetrachloride	A	5.00	4.47	0.5479998	0.4903609		-10.5	30
Chlorobenzene	A	5.00	4.46	0.8809329	0.7854561		-10.8	30
Chloroethane	A	5.00	4.34	0.3452967	0.2995439		-13.3	30
Chloroform	A	5.00	4.58	1.561184	1.429475		-8.4	30
Chloromethane	A	5.00	4.50	0.6821899	0.6144783		-9.9	30
Cyclohexane	A	5.00	4.55	0.3600845	0.3274689		-9.1	30
Dibromochloromethane	A	5.00	4.71	0.6396581	0.6020948		-5.9	30
1,2-Dibromoethane (EDB)	A	5.00	4.51	0.6171207	0.5566485		-9.8	30
1,2-Dichlorobenzene	A	5.00	5.19	0.6937094	0.7206431		3.9	30
1,3-Dichlorobenzene	A	5.00	5.28	0.7409581	0.7819571		5.5	30
1,4-Dichlorobenzene	A	5.00	5.26	0.7218155	0.7593887		5.2	30
Dichlorodifluoromethane (Freon 12)	A	5.00	4.88	1.62808	1.587457		-2.5	30
1,1-Dichloroethane	A	5.00	4.62	1.342742	1.241118		-7.6	30
1,2-Dichloroethane	A	5.00	4.93	0.9627523	0.9489666		-1.4	30
1,1-Dichloroethylene	A	5.00	5.06	1.140142	1.153297		1.2	30
cis-1,2-Dichloroethylene	A	5.00	4.72	0.9670963	0.9122511		-5.7	30
trans-1,2-Dichloroethylene	A	5.00	4.70	1.001825	0.9411345		-6.1	30
1,2-Dichloropropane	A	5.00	4.55	0.3567989	0.32465		-9.0	30
cis-1,3-Dichloropropene	A	5.00	4.78	0.5092852	0.4873398		-4.3	30
trans-1,3-Dichloropropene	A	5.00	4.78	0.4570981	0.4371902		-4.4	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	4.53	1.73998	1.577446		-9.3	30
1,4-Dioxane	A	5.00	4.59	0.1857641	0.1705869		-8.2	30
Ethanol	A	5.00	4.63	0.2343264	0.2171156		-7.3	30
Ethyl Acetate	A	5.00	4.51	0.2308163	0.2083469		-9.7	30
Ethylbenzene	A	5.00	4.58	1.455024	1.333566		-8.3	30
4-Ethyltoluene	A	5.00	5.04	1.413771	1.424557		0.8	30
Heptane	A	5.00	4.68	0.2850308	0.2665453		-6.5	30
Hexachlorobutadiene	A	5.00	5.27	0.4677459	0.4930804		5.4	30
Hexane	A	5.00	4.96	0.8985394	0.8372282		-0.8	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S077377-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	4.69	0.7712864	0.7233875		-6.2	30
Isopropanol	A	5.00	4.72	1.338902	1.264817		-5.5	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.67	1.834723	1.714476		-6.6	30
Methylene Chloride	A	5.00	4.22	0.9597215	0.810367		-15.6	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.84	0.7726854	0.7487325		-3.1	30
Naphthalene	A	5.00	5.46	1.092246	1.193465		9.3	30
Propene	A	5.00	4.28	0.5941328	0.5092257		-14.3	30
Styrene	A	5.00	5.00	0.7890752	0.7894725		0.05	30
1,1,2,2-Tetrachloroethane	A	5.00	4.40	0.9851261	0.8678119		-11.9	30
Tetrachloroethylene	A	5.00	4.80	0.457194	0.4389098		-4.0	30
Tetrahydrofuran	A	5.00	4.81	0.2957092	0.2846953		-3.7	30
Toluene	A	5.00	4.48	1.15399	1.033029		-10.5	30
1,2,4-Trichlorobenzene	A	5.00	5.39	0.4973623	0.5364245		7.9	30
1,1,1-Trichloroethane	A	5.00	4.50	0.5975698	0.5382739		-9.9	30
1,1,2-Trichloroethane	A	5.00	4.29	0.4162703	0.356935		-14.3	30
Trichloroethylene	A	5.00	4.59	0.3947958	0.3624583		-8.2	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.87	1.463327	1.426582		-2.5	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.62	1.432547	1.323218		-7.6	30
1,2,4-Trimethylbenzene	A	5.00	5.10	1.156019	1.178185		1.9	30
1,3,5-Trimethylbenzene	A	5.00	5.02	1.190388	1.194252		0.3	30
Vinyl Acetate	A	5.00	4.09	1.986739	1.624297		-18.2	30
Vinyl Chloride	A	5.00	4.59	0.7142115	0.656224		-8.1	30
m&p-Xylene	A	10.0	9.58	1.129066	1.081689		-4.2	30
o-Xylene	A	5.00	4.78	1.138955	1.089029		-4.4	30

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

* Values outside of QC limits

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CONTINUING CALIBRATION CHECK

EPA TO-15

S077389-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	5.42	1.001504	1.085837		8.4	30
Benzene	A	5.00	5.37	0.633704	0.6808026		7.4	30
Benzyl chloride	A	5.00	7.63	0.4421081	0.6746663		52.6	30 *
Bromodichloromethane	A	5.00	5.56	0.4484742	0.4985838		11.2	30
Bromoform	A	5.00	5.28	0.5313608	0.5611853		5.6	30
Bromomethane	A	5.00	5.52	0.56846	0.6281632		10.5	30
1,3-Butadiene	A	5.00	5.75	0.4941294	0.5683098		15.0	30
2-Butanone (MEK)	A	5.00	5.36	1.143339	1.225954		7.2	30
Carbon Disulfide	A	5.00	5.17	2.101097	2.170652		3.3	30
Carbon Tetrachloride	A	5.00	5.74	0.3583793	0.4116738		14.9	30
Chlorobenzene	A	5.00	5.04	0.7307357	0.7369097		0.8	30
Chloroethane	A	5.00	5.42	0.3728969	0.4038431		8.3	30
Chloroform	A	5.00	5.14	1.205973	1.239355		2.8	30
Chloromethane	A	5.00	5.64	0.5843503	0.6590007		12.8	30
Cyclohexane	A	5.00	5.57	0.2474396	0.2757915		11.5	30
Dibromochloromethane	A	5.00	5.32	0.5365627	0.5703627		6.3	30
1,2-Dibromoethane (EDB)	A	5.00	5.49	0.4696428	0.515334		9.7	30
1,2-Dichlorobenzene	A	5.00	5.58	0.5425411	0.6049214		11.5	30
1,3-Dichlorobenzene	A	5.00	5.60	0.5577685	0.6249074		12.0	30
1,4-Dichlorobenzene	A	5.00	5.94	0.4841678	0.5754802		18.9	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.60	1.437368	1.608736		11.9	30
1,1-Dichloroethane	A	5.00	5.76	0.9933117	1.143218		15.1	30
1,2-Dichloroethane	A	5.00	5.20	0.7604954	0.7904179		3.9	30
1,1-Dichloroethylene	A	5.00	5.30	1.025417	1.086748		6.0	30
cis-1,2-Dichloroethylene	A	5.00	4.98	0.8174361	0.8141548		-0.4	30
trans-1,2-Dichloroethylene	A	5.00	5.43	0.8265571	0.8983584		8.7	30
1,2-Dichloropropane	A	5.00	5.50	0.2525551	0.2778438		10.0	30
cis-1,3-Dichloropropene	A	5.00	4.73	0.4042268	0.3823242		-5.4	30
trans-1,3-Dichloropropene	A	5.00	6.06	0.2821754	0.3421162		21.2	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.48	1.571176	1.72125		9.6	30
1,4-Dioxane	A	5.00	5.80	0.1252326	0.1452648		16.0	30
Ethanol	A	5.00	6.31	0.2348114	0.2961999		26.1	30
Ethyl Acetate	A	5.00	5.47	0.1797762	0.1968284		9.5	30
Ethylbenzene	A	5.00	5.19	1.166103	1.211196		3.9	30
4-Ethyltoluene	A	5.00	5.50	1.091537	1.200298		10.0	30
Heptane	A	5.00	6.01	0.2370975	0.2848368		20.1	30
Hexachlorobutadiene	A	5.00	4.19	0.3846991	0.3220703		-16.3	30
Hexane	L	5.00	5.48	0.6117314	0.6932026		9.6	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S077389-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	6.09	0.5293432	0.6450816		21.9	30
Isopropanol	A	5.00	5.64	1.233151	1.389918		12.7	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	6.60	1.403919	1.852091		31.9	30 *
Methylene Chloride	A	5.00	5.18	0.7749664	0.8022956		3.5	30
4-Methyl-2-pentanone (MIBK)	A	5.00	6.56	0.1036732	0.1360368		31.2	30 *
Naphthalene	A	5.00	4.33	0.9067208	0.7849119		-13.4	30
Propene	A	5.00	6.09	0.4757755	0.5798343		21.9	30
Styrene	A	5.00	5.45	0.6195572	0.6748904		8.9	30
1,1,2,2-Tetrachloroethane	A	5.00	5.42	0.7649521	0.8295354		8.4	30
Tetrachloroethylene	A	5.00	4.77	0.4025457	0.3840986		-4.6	30
Tetrahydrofuran	A	5.00	5.50	0.6192362	0.6816409		10.1	30
Toluene	A	5.00	5.12	0.9588753	0.9825313		2.5	30
1,2,4-Trichlorobenzene	A	5.00	4.89	0.2888558	0.2827077		-2.1	30
1,1,1-Trichloroethane	A	5.00	5.99	0.4005075	0.4800647		19.9	30
1,1,2-Trichloroethane	A	5.00	5.24	0.333956	0.3497818		4.7	30
Trichloroethylene	A	5.00	5.43	0.2669212	0.2900235		8.7	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.62	1.362748	1.53154		12.4	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.62	1.311243	1.473323		12.4	30
1,2,4-Trimethylbenzene	A	5.00	5.60	0.9101206	1.019205		12.0	30
1,3,5-Trimethylbenzene	A	5.00	5.88	0.9305716	1.094408		17.6	30
Vinyl Acetate	A	5.00	3.96	1.456769	1.152457		-20.9	30
Vinyl Chloride	A	5.00	5.59	0.6700674	0.7497101		11.9	30
m&p-Xylene	A	10.0	10.3	0.9901728	1.022714		3.3	30
o-Xylene	A	5.00	5.56	0.9006378	1.000976		11.1	30

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

* Values outside of QC limits

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CONTINUING CALIBRATION CHECK

EPA TO-15

S077451-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.78	1.084004	1.035397		-4.5	30
Benzene	A	5.00	4.39	0.9129288	0.8009092		-12.3	30
Benzyl chloride	A	5.00	4.79	1.030942	0.9880984		-4.2	30
Bromodichloromethane	A	5.00	4.29	0.6953811	0.5970925		-14.1	30
Bromoform	A	5.00	4.93	0.5656468	0.5574124		-1.5	30
Bromomethane	A	5.00	4.53	0.6009459	0.5445195		-9.4	30
1,3-Butadiene	A	5.00	4.78	0.5443004	0.519928		-4.5	30
2-Butanone (MEK)	A	5.00	4.50	1.507683	1.358043		-9.9	30
Carbon Disulfide	A	5.00	4.52	2.02748	1.832206		-9.6	30
Carbon Tetrachloride	A	5.00	4.28	0.5479998	0.4692445		-14.4	30
Chlorobenzene	A	5.00	4.42	0.8809329	0.7792803		-11.5	30
Chloroethane	A	5.00	4.55	0.3452967	0.3139143		-9.1	30
Chloroform	A	5.00	4.66	1.561184	1.456506		-6.7	30
Chloromethane	A	5.00	4.58	0.6821899	0.6243603		-8.5	30
Cyclohexane	A	5.00	4.43	0.3600845	0.3191581		-11.4	30
Dibromochloromethane	A	5.00	4.64	0.6396581	0.5935478		-7.2	30
1,2-Dibromoethane (EDB)	A	5.00	4.45	0.6171207	0.5490337		-11.0	30
1,2-Dichlorobenzene	A	5.00	5.20	0.6937094	0.7215191		4.0	30
1,3-Dichlorobenzene	A	5.00	5.25	0.7409581	0.7784632		5.1	30
1,4-Dichlorobenzene	A	5.00	5.30	0.7218155	0.7656761		6.1	30
Dichlorodifluoromethane (Freon 12)	A	5.00	4.98	1.62808	1.621178		-0.4	30
1,1-Dichloroethane	A	5.00	4.65	1.342742	1.248931		-7.0	30
1,2-Dichloroethane	A	5.00	4.96	0.9627523	0.9552572		-0.8	30
1,1-Dichloroethylene	A	5.00	5.21	1.140142	1.187162		4.1	30
cis-1,2-Dichloroethylene	A	5.00	4.74	0.9670963	0.9169045		-5.2	30
trans-1,2-Dichloroethylene	A	5.00	4.77	1.001825	0.9550756		-4.7	30
1,2-Dichloropropane	A	5.00	4.36	0.3567989	0.3109372		-12.9	30
cis-1,3-Dichloropropene	A	5.00	4.55	0.5092852	0.4636144		-9.0	30
trans-1,3-Dichloropropene	A	5.00	4.53	0.4570981	0.4141544		-9.4	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	4.70	1.73998	1.634543		-6.1	30
1,4-Dioxane	A	5.00	4.44	0.1857641	0.1649007		-11.2	30
Ethanol	A	5.00	4.68	0.2343264	0.2194815		-6.3	30
Ethyl Acetate	A	5.00	4.62	0.2308163	0.2131826		-7.6	30
Ethylbenzene	A	5.00	4.52	1.455024	1.314385		-9.7	30
4-Ethyltoluene	A	5.00	4.95	1.413771	1.398393		-1.1	30
Heptane	A	5.00	4.48	0.2850308	0.2552609		-10.4	30
Hexachlorobutadiene	A	5.00	5.32	0.4677459	0.4976606		6.4	30
Hexane	A	5.00	4.92	0.8985394	0.830727		-1.6	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S077451-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	4.46	0.7712864	0.6876577		-10.8	30
Isopropanol	A	5.00	4.75	1.338902	1.2708		-5.1	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.78	1.834723	1.755728		-4.3	30
Methylene Chloride	A	5.00	4.27	0.9597215	0.8199344		-14.6	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.50	0.7726854	0.6956173		-10.0	30
Naphthalene	A	5.00	5.36	1.092246	1.170652		7.2	30
Propene	A	5.00	4.36	0.5941328	0.5183856		-12.7	30
Styrene	A	5.00	4.95	0.7890752	0.781163		-1.0	30
1,1,2,2-Tetrachloroethane	A	5.00	4.32	0.9851261	0.8510587		-13.6	30
Tetrachloroethylene	A	5.00	4.82	0.457194	0.4406123		-3.6	30
Tetrahydrofuran	A	5.00	4.97	0.2957092	0.2940111		-0.6	30
Toluene	A	5.00	4.39	1.15399	1.013335		-12.2	30
1,2,4-Trichlorobenzene	A	5.00	5.34	0.4973623	0.5315507		6.9	30
1,1,1-Trichloroethane	A	5.00	4.36	0.5975698	0.5216788		-12.7	30
1,1,2-Trichloroethane	A	5.00	4.20	0.4162703	0.3492663		-16.1	30
Trichloroethylene	A	5.00	4.47	0.3947958	0.3528292		-10.6	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.15	1.463327	1.506588		3.0	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.72	1.432547	1.351426		-5.7	30
1,2,4-Trimethylbenzene	A	5.00	5.04	1.156019	1.164108		0.7	30
1,3,5-Trimethylbenzene	A	5.00	4.97	1.190388	1.184034		-0.5	30
Vinyl Acetate	A	5.00	3.99	1.986739	1.586227		-20.2	30
Vinyl Chloride	A	5.00	4.72	0.7142115	0.6734663		-5.7	30
m&p-Xylene	A	10.0	9.29	1.129066	1.04874		-7.1	30
o-Xylene	A	5.00	4.71	1.138955	1.072402		-5.8	30

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

* Values outside of QC limits

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CONTINUING CALIBRATION CHECK

EPA TO-15

S077465-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	5.36	1.001504	1.074322		7.3	30
Benzene	A	5.00	5.42	0.633704	0.6869396		8.4	30
Benzyl chloride	A	5.00	7.29	0.4421081	0.6443918		45.8	30 *
Bromodichloromethane	A	5.00	5.36	0.4484742	0.4811734		7.3	30
Bromoform	A	5.00	5.27	0.5313608	0.5599932		5.4	30
Bromomethane	A	5.00	5.71	0.56846	0.6490045		14.2	30
1,3-Butadiene	A	5.00	5.90	0.4941294	0.5830244		18.0	30
2-Butanone (MEK)	A	5.00	5.53	1.143339	1.264006		10.6	30
Carbon Disulfide	A	5.00	5.38	2.101097	2.259561		7.5	30
Carbon Tetrachloride	A	5.00	5.62	0.3583793	0.4031531		12.5	30
Chlorobenzene	A	5.00	5.13	0.7307357	0.7501859		2.7	30
Chloroethane	A	5.00	5.63	0.3728969	0.4196704		12.5	30
Chloroform	A	5.00	5.29	1.205973	1.276914		5.9	30
Chloromethane	A	5.00	5.54	0.5843503	0.6472022		10.8	30
Cyclohexane	A	5.00	5.64	0.2474396	0.2791822		12.8	30
Dibromochloromethane	A	5.00	5.31	0.5365627	0.570063		6.2	30
1,2-Dibromoethane (EDB)	A	5.00	5.52	0.4696428	0.5186833		10.4	30
1,2-Dichlorobenzene	A	5.00	5.70	0.5425411	0.6185852		14.0	30
1,3-Dichlorobenzene	A	5.00	5.66	0.5577685	0.6318749		13.3	30
1,4-Dichlorobenzene	A	5.00	5.99	0.4841678	0.5798351		19.8	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.63	1.437368	1.618538		12.6	30
1,1-Dichloroethane	A	5.00	5.86	0.9933117	1.163972		17.2	30
1,2-Dichloroethane	A	5.00	5.20	0.7604954	0.7909028		4.0	30
1,1-Dichloroethylene	A	5.00	5.40	1.025417	1.108376		8.1	30
cis-1,2-Dichloroethylene	A	5.00	5.22	0.8174361	0.8537933		4.4	30
trans-1,2-Dichloroethylene	A	5.00	5.48	0.8265571	0.9067456		9.7	30
1,2-Dichloropropane	A	5.00	5.46	0.2525551	0.2756732		9.2	30
cis-1,3-Dichloropropene	A	5.00	5.65	0.4042268	0.4565054		12.9	30
trans-1,3-Dichloropropene	A	5.00	5.91	0.2821754	0.3335742		18.2	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.60	1.571176	1.758617		11.9	30
1,4-Dioxane	A	5.00	5.93	0.1252326	0.148447		18.5	30
Ethanol	A	5.00	6.00	0.2348114	0.2817199		20.0	30
Ethyl Acetate	A	5.00	5.77	0.1797762	0.2074837		15.4	30
Ethylbenzene	A	5.00	5.38	1.166103	1.253479		7.5	30
4-Ethyltoluene	A	5.00	5.60	1.091537	1.222569		12.0	30
Heptane	A	5.00	5.87	0.2370975	0.2785138		17.5	30
Hexachlorobutadiene	A	5.00	4.13	0.3846991	0.3175433		-17.5	30
Hexane	L	5.00	5.44	0.6117314	0.6871953		8.8	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S077465-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	5.97	0.5293432	0.6316414		19.3	30
Isopropanol	A	5.00	5.74	1.233151	1.416083		14.8	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	6.83	1.403919	1.918726		36.7	30 *
Methylene Chloride	A	5.00	5.07	0.7749664	0.7856162		1.4	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.84	0.1036732	0.1003736		-3.2	30
Naphthalene	A	5.00	4.48	0.9067208	0.812529		-10.4	30
Propene	A	5.00	5.95	0.4757755	0.5657913		18.9	30
Styrene	A	5.00	5.69	0.6195572	0.7053262		13.8	30
1,1,2,2-Tetrachloroethane	A	5.00	5.43	0.7649521	0.831075		8.6	30
Tetrachloroethylene	A	5.00	4.86	0.4025457	0.391542		-2.7	30
Tetrahydrofuran	A	5.00	5.74	0.6192362	0.7106248		14.8	30
Toluene	A	5.00	5.27	0.9588753	1.010546		5.4	30
1,2,4-Trichlorobenzene	A	5.00	4.99	0.2888558	0.2884445		-0.1	30
1,1,1-Trichloroethane	A	5.00	5.78	0.4005075	0.4630716		15.6	30
1,1,2-Trichloroethane	A	5.00	5.29	0.333956	0.3531702		5.8	30
Trichloroethylene	A	5.00	5.35	0.2669212	0.2854636		6.9	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.60	1.362748	1.527051		12.1	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.82	1.311243	1.524888		16.3	30
1,2,4-Trimethylbenzene	A	5.00	5.69	0.9101206	1.034903		13.7	30
1,3,5-Trimethylbenzene	A	5.00	5.81	0.9305716	1.081671		16.2	30
Vinyl Acetate	A	5.00	4.15	1.456769	1.208119		-17.1	30
Vinyl Chloride	A	5.00	5.72	0.6700674	0.7672846		14.5	30
m&p-Xylene	A	10.0	11.6	0.9901728	1.151979		16.3	30
o-Xylene	A	5.00	5.60	0.9006378	1.007865		11.9	30

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

* Values outside of QC limits

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Acetone	AIHA,NY,ME,NH
Benzene	AIHA,FL,NJ,NY,ME,NH,VA
Benzyl chloride	AIHA,FL,NJ,NY,ME,NH,VA
Bromodichloromethane	AIHA,NJ,NY,ME,NH,VA
Bromoform	AIHA,NJ,NY,ME,NH,VA
Bromomethane	AIHA,FL,NJ,NY,ME,NH
1,3-Butadiene	AIHA,NJ,NY,ME,NH,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,ME,NH,VA
Carbon Disulfide	AIHA,NJ,NY,ME,NH,VA
Carbon Tetrachloride	AIHA,FL,NJ,NY,ME,NH,VA
Chlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Chloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Chloroform	AIHA,FL,NJ,NY,ME,NH,VA
Chloromethane	AIHA,FL,NJ,NY,ME,NH,VA
Cyclohexane	AIHA,NJ,NY,ME,NH,VA
Dibromochloromethane	AIHA,NY,ME,NH
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME,NH
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	AIHA,NJ,NY,ME,NH
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME,NH
1,1-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,ME,NH,VA
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	AIHA,NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA,NJ
Heptane	AIHA,NJ,NY,ME,NH,VA
Hexachlorobutadiene	AIHA,NJ,NY,ME,NH,VA
Hexane	AIHA,FL,NJ,NY,ME,NH,VA
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,ME,NH,VA
Methylene Chloride	AIHA,FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,ME,NH,VA

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Tetrachloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Tetrahydrofuran	AIHA
Toluene	AIHA,FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	AIHA,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Trichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	AIHA,NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	AIHA,NJ,NY,ME,NH
1,3,5-Trimethylbenzene	AIHA,NJ,NY,ME,NH
Vinyl Acetate	AIHA,FL,NJ,NY,ME,NH,VA
Vinyl Chloride	AIHA,FL,NJ,NY,ME,NH,VA
m&p-Xylene	AIHA,FL,NJ,NY,ME,NH,VA
o-Xylene	AIHA,FL,NJ,NY,ME,NH,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2023
NC-DW	North Carolina Department of Health and Human Services	25703	07/31/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	06/30/2023
NB-CT	Connecticut Department of Public Health	PH-0554	09/30/2023
NB-NJ	New Jersey DEP	NY015 NELAP	06/30/2023
NB-NY	New York State Department of Health	10142 NELAP	04/1/2023

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http://www.pacelabs.com

DOC #378 REV3_11232021

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Company Name: NYSDEC DER
Address: 625 Broadway Albany NY 12233
Phone: (518) 402-9813
Project Name: Staubs Textile
Project Location: 935 E Main st Rochester NY
Project Number: 828660 callout ID 136183
Project Manager: Robert Strang
Pace Quote Name/Number:
Invoice Recipient: robert.strang@dec.ny.gov
Sampled By: Derek Blumenstein

Turnaround Requested: 7-Day ☐ 10-Day ☐ Due Date:
Rush Turnaround Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐
Data Delivery: Format: PDF ☐ EXCEL ☐ Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO 14/15 (Standard low level)				" Hg				
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☐ L/min	Code	☐ Liters ☐ m³					Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
01	SVE1	9/26/22 1101	9/26/22 1135	34		SG		X				-30	-5	2.8	2609	4486
02	SVE2	9/26/22 1103	9/26/22 1136	33		SG		X				-29	-5	4.1	2744	4485
03	SVE3	9/26/22 1107	9/26/22 1139	32		SG		X				-28	-5	4.1	2576	4507
04	SVE4	9/26/22 1108	9/26/22 1141	33		SG		X				-28	-4	3.4	2363	4506
05	SVE5	9/26/22 1114	9/26/22 1146	32		SG		X				-29	-5	3.8	2729	4470
06	SVE6	9/26/22 1142	9/26/22 1211	29		SG		X				-27	-5	4.3	2740	4469
07	SVE7	9/26/22 1144	9/26/22 1212	28		SG		X				-25	-4	4	2726	4508
08	SVE8	9/26/22 1145	9/26/22 1217	32		SG		X				-27	-5	4	2415	4509
09	SVE9	9/26/22 1147	9/26/22 1218	31		SG		X				-27	-5	4.3	2265	4758

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments:
Email results to client and
cc danw@nwcontracting.com
robert.strang@dec.ny.gov

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time:
Derek Blum	9/26/22
Received by: (signature)	Date/Time:
[illegible]	9/26/22 1144
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements: MA / CT / Other

Special Requirements: ☐ MA MCP Required; MCP Certification Form Required; ☐ CT RCP Required; RCP Certification Form Required; ☐ Other

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NELAC and AIHA-LAP, LLC Accredited

Project Entity: ☐ Government ☐ Municipality ☐ MWRA ☐ WRTA ☐ Federal ☐ 21 J ☐ School ☐ City ☐ Brownfield ☐ MBTA

Other: ☐ Chromatogram ☐ AIHA-LAP,LLC

PCB ONLY: ☐ Soxhlet ☐ Non Soxhlet

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DOC #378 REV3_11232021

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Company Name: NYS DEC DER
Address: 625 Broadway Albany NY 12233
Phone: (518) 402-9813
Project Name: Staubs Textile
Project Location: 935 E main st Rochester NY
Project Number: 828660 call out ED 136183
Project Manager: Robert Strang
Pace Quote Name/Number:
Invoice Recipient: robert.strang@DEC.NY.gov
Sampled By: Derek Blumenstein

Standard Turnaround Time: 7-Day ☐ 10-Day ☐ Due Date:
Rush Analysis Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐
Data Delivery: Format: PDF ☐ EXCEL ☐ Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED

Please fill out completely, sign, date and retain the yellow copy for your records

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Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO 14/15 (standard/low level)				" Hg				
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	m³/min L/min	Code	Liters m³					Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
10	SVE 10	9/26/22 1151	9/26/22 1223	32		SG		X				-28	-4	4.5	2749	4757
11	SVE 11	9/26/22 1215	9/26/22 1246	31		SG		X				-27	-5	4.7	2417	4478
12	SVE 12	9/26/22 1217	9/26/22 1248	31		SG		X				-28	-3	3.3	2752	4477
13	SVE 13	9/26/22 1221	9/26/22 1252	31		SG		X				-27	-5	5	2605	4461
14	SVE 14	9/26/22 1222	9/26/22 1256	34		SG		X				-27	-3	3.8	2602	4462
15	SVE 15	9/26/22 103	9/26/22 137	34		SG		X				-30	-3	3.8	2419	4504
16	SVE 15 duplicate	9/26/22 103	9/26/22 137	34		SG		X				-29	-3	3.4	2761	4505
17	SVE 16	9/26/22 110	9/26/22 142	32		SG		X				-27	-4	5.8	2388	4233
18	SVE 17	9/26/22 112	9/26/22 143	31		SG		X				-26	-4	4.9	2573	4349

Comments:
Email results to client and cc dan w@nwcontracting.com
robert.strang@dec.ny.gov

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time:
[signature]	9/26/22
Received by: (signature)	Date/Time:
[signature]	9/28/22 1144
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements: MA; CT; Other
Special Requirements: ☐ MA MCP Required; MCP Certification Form Required; ☐ CT RCP Required; RCP Certification Form Required; ☐ Other

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Project Entity: ☐ Government ☐ Municipality ☐ MWRA ☐ WRTA ☐ Federal ☐ 21 J ☐ School ☐ City ☐ Brownfield ☐ MBTA

Other: ☐ Chromatogram ☐ AIHA-LAP,LLC

PCB ONLY: ☐ Soxhlet ☐ Non Soxhlet

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DOC #378 REV3_11232021

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
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Company Name: NYS DEC DER
Address: 625 Broadway Albany NY 12233
Phone: (518) 492-9813
Project Name: Staubs Textile
Project Location: 935 E Main St Rochester NY
Project Number: 828660 callout ID 136183
Project Manager: Robert Strang
Pace Quote Name/Number:
Invoice Recipient: robert.strang@dec.ny.gov
Sampled By: Derek Blumenstein

Turnaround Time Requested (TAT)
7-Day ☐ 10-Day ☐
Due Date:

Rush Turnaround Requested
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Deliverables
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED

TO 14/15 (Standard low level)

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Lab Use: Pace Work Order#	Client Use: Client Sample ID / Description	Collection Data: Beginning Date/Time	Collection Data: Ending Date/Time	Duration: Total Minutes Sampled	Flow Rate (m³/min, L/min)	Matrix: Code	Volume (Liters, m³)	TO 14/15 (Standard low level)				" Hg Initial Pressure	" Hg Final Pressure	" Hg Lab Receipt Pressure	Summa Can ID	Flow Controller ID
19	SVE18	9/26/22 115	9/26/22 145	30		SG		X				-26	-4	4.9	2474	4468
															~~2404~~	~~4467~~
20	Influent	9/26/22 2:07	9/26/22 208 238	31		SG		X				-26	-5	5.9	2404	4467
21	Effluent	9/26/22 208	9/26/22 239	31		SG		X				-28	-5	4.4	2418	4531
22	Effluent Duplicate	9/26/22 209	9/26/22 239	31		SG		X				-28	-4	4.9	2583	4530

Comments: Email Results to client and CC dnew@newcontracting.com
Robert.strang@dec.ny.gov

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 9/26/22
Received by: (signature)	Date/Time: 9/26/22 1144
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
Other

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

FedEx® Tracking

DELIVERED

Wednesday

9/28/2022 at 11:44 am

Signed for by: APIENOWSKI

Obtain Proof of delivery

How was your delivery?

DELIVERY STATUS

Delivered

Get Status Updates

TRACKING ID

777982947740

FROM
ALDEN, NY US

PACKAGE RECEIVED BY FEDEX
FARMINGTON, NY
9/26/2022 5:00 PM

IN TRANSIT
WINDSOR, CT
9/28/2022 4:33 AM

OUT FOR DELIVERY
WINDSOR, CT
9/28/2022 4:46 AM

DELIVERED
East Longmeadow, MA US

DELIVERED
9/28/2022 at 11:44 AM

View travel history

Manage Delivery

Shipment facts

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
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Pace PEOPLE ADVANCING SCIENCE

Doc# 278 Rev 7 July 2022

Air Media Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client DEC

Received By RLF Date 9/28/22 Time 1144

How Were the samples received? In Cooler ___ On Ice ___ No Ice ___ In Box T Ambient ___ Melted Ice ___

Were samples within Tempurature Compliance? Within 2-6°C NA By Gun # ___ Actual Temp - ___ By Blank # ___ Actual Temp - ___

Was Custody Seal In tact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there any loose caps/valves on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC Include all Pertinent Information? Client? T Analysis? T Sampler Name? T Project? T ID's? T Collection Dates/Times? T

Are Sample Labels filled out and legible? T

Are there Rushes? F Who was notified? ___

Samples are received within holding time? T

Proper Media Used? T Individually Certified Cans? F

Are there Trip Blanks? F Is there enough Volume? T

Containers:	#	Size	Regulator	Duration	Accessories:			
Summa Cans	22	3L	22	30min	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/TO-11s					Tedlar			

Can #'s					Reg #'s				
2609	2726	2605	2574		4486	4508	4461	4468	
2744	2415	2602	2404		4485	4509	4462	4467	
2576	2765	2419	2418		4507	4558	4509	4531	
2363	2749	2761	2583		4506	4757	4505	4530	
2729	2417	2388			4470	4478	4233		
2740	2752	2573			4469	4477	4349		
Unused Media					Pufs/TO-17's				

Comments:

Air Sampling Media Certificate of Analysis

Date Analyzed: 7/26/2022 **Batch #:** 22CC0642

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2609

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: BRF 10/5/2022

Air Sampling Media Certificate of Analysis

Date Analyzed: 8/1/2022 **Batch #:** 22CC0653

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2744 BC2749

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: BRF 10/5/2022

Air Sampling Media Certificate of Analysis

Date Analyzed: 7/26/2022 **Batch #:** 22CC0637

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2576 BC2761

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: BRF 10/5/2022

Air Sampling Media Certificate of Analysis

Date Analyzed: 9/14/2022 **Batch #:** 22CC0759

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2363 BC2388

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: BRF 10/5/2022

Air Sampling Media Certificate of Analysis

Date Analyzed: 7/25/2022 **Batch #:** 22CC0628

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2729 BC2419 BC2602

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: BRF 10/5/2022

Air Sampling Media Certificate of Analysis

Date Analyzed: 7/26/2022 **Batch #:** 22CC0643

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2740 BC2605

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: BRF 10/5/2022

Air Sampling Media Certificate of Analysis

Date Analyzed: 8/2/2022 **Batch #:** 22CC0657

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2726 BC2404

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: BRF 10/5/2022

Air Sampling Media Certificate of Analysis

Date Analyzed: 8/2/2022 **Batch #:** 22CC0656

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2415 BC2583

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: BRF 10/5/2022

Air Sampling Media Certificate of Analysis

Date Analyzed: 6/23/2022 **Batch #:** 22CC0551

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2265

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: BRF 10/5/2022

Air Sampling Media Certificate of Analysis

Date Analyzed: 7/28/2022 **Batch #:** 22CC0645

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2417 BC2418

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: BRF 10/5/2022

Air Sampling Media Certificate of Analysis

Date Analyzed: 6/30/2022 **Batch #:** 22CC0577

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2752

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: BRF 10/5/2022

Air Sampling Media Certificate of Analysis

Date Analyzed: 8/2/2022 **Batch #:** 22CC0658

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2573

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: BRF 10/5/2022

Air Sampling Media Certificate of Analysis

Date Analyzed: 9/19/2022 **Batch #:** 22CC0771

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2474

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: BRF 10/5/2022

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October 28, 2022

Robert Strang
NYDEC_NW Contracting - Alden, NY
3553 Crittenden Road
Alden, NY 14004

Project Location: 935 E. Main St, Rochester, NY
Client Job Number:
Project Number: 828160
Laboratory Work Order Number: 22J2613

Enclosed are results of analyses for samples as received by the laboratory on October 18, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kyle A. Murray
Project Manager

QA Officer
Katherine Allen

Laboratory Manager
Daren Damboragian

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NYDEC_NW Contracting - Alden, NY
3553 Crittenden Road
Alden, NY 14004
ATTN: Robert Strang

REPORT DATE: 10/28/2022

PURCHASE ORDER NUMBER: 142737

PROJECT NUMBER: 828160

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22J2613

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

PROJECT LOCATION: 935 E. Main St, Rochester, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Influent	22J2613-01	Air		EPA TO-15	
Effluent	22J2613-02	Air		EPA TO-15	
Effluent Duplicate	22J2613-03	Air		EPA TO-15	

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CASE NARRATIVE SUMMARY

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

EPA TO-15

Qualifications:

L-01 Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113), Benzyl chloride, Bromomethane, Methyl tert-Butyl Ether (MTBE)

B321335-BS1

L-03 Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene, Hexachlorobutadiene, Naphthalene, Vinyl Acetate

22J2613-01[Influent], 22J2613-02[Effluent], 22J2613-03[Effluent Duplicate], B321335-BLK1, B321335-BS1

L-05 Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Trichlorofluoromethane (Freon 11)

22J2613-01[Influent], 22J2613-02[Effluent], 22J2613-03[Effluent Duplicate], B321335-BS1

V-05 Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Vinyl Acetate

22J2613-01[Influent], 22J2613-02[Effluent], 22J2613-03[Effluent Duplicate], B321335-BLK1, B321335-BS1, S078511-CCV1

V-20 Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113), Benzyl chloride, Bromomethane, Methyl tert-Butyl Ether (MTBE)

B321335-BS1, S078511-CCV1

V-36 Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene, Benzyl chloride

B321335-BS1, S078511-CCV1

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The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Meghan E. Kelley
Reporting Specialist

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 10/18/2022
Field Sample #: Influent
Sample ID: 22J2613-01
Sample Matrix: Air
Sampled: 10/14/2022 07:03

Sample Description/Location:
Sub Description/Location:
Canister ID: 2613
Canister Size: 3 liter
Flow Controller ID: 4003
Sample Type: 30 min

Work Order: 22J2613
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	5.0	8.0	4.8	J	12	19	11	4	10/24/22 23:04	CMR
Benzene	0.63	0.20	0.15		2.0	0.64	0.48	4	10/24/22 23:04	CMR
Benzyl chloride	ND	0.40	0.18		ND	2.1	0.91	4	10/24/22 23:04	CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	10/24/22 23:04	CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	10/24/22 23:04	CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	10/24/22 23:04	CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	10/24/22 23:04	CMR
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	10/24/22 23:04	CMR
Carbon Disulfide	ND	2.0	0.18		ND	6.2	0.58	4	10/24/22 23:04	CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	10/24/22 23:04	CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	10/24/22 23:04	CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	10/24/22 23:04	CMR
Chloroform	ND	0.20	0.19		ND	0.98	0.93	4	10/24/22 23:04	CMR
Chloromethane	0.74	0.40	0.16		1.5	0.83	0.33	4	10/24/22 23:04	CMR
Cyclohexane	0.38	0.20	0.12		1.3	0.69	0.42	4	10/24/22 23:04	CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	10/24/22 23:04	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	10/24/22 23:04	CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	10/24/22 23:04	CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	10/24/22 23:04	CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	10/24/22 23:04	CMR
Dichlorodifluoromethane (Freon 12)	0.57	0.20	0.20		2.8	0.99	0.97	4	10/24/22 23:04	CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	10/24/22 23:04	CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	10/24/22 23:04	CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	10/24/22 23:04	CMR
cis-1,2-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.58	4	10/24/22 23:04	CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	10/24/22 23:04	CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	10/24/22 23:04	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	10/24/22 23:04	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	10/24/22 23:04	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	10/24/22 23:04	CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	10/24/22 23:04	CMR
Ethanol	37	8.0	3.5		70	15	6.6	4	10/24/22 23:04	CMR
Ethyl Acetate	2.8	2.0	1.0		10	7.2	3.6	4	10/24/22 23:04	CMR
Ethylbenzene	0.36	0.20	0.12		1.6	0.87	0.51	4	10/24/22 23:04	CMR
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	10/24/22 23:04	CMR
Heptane	0.61	0.20	0.13		2.5	0.82	0.52	4	10/24/22 23:04	CMR
Hexachlorobutadiene	ND	0.20	0.16	L-03	ND	2.1	1.8	4	10/24/22 23:04	CMR
Hexane	3.1	8.0	1.0	J	11	28	3.7	4	10/24/22 23:04	CMR
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	10/24/22 23:04	CMR
Isopropanol	3.7	8.0	1.4	J	9.0	20	3.4	4	10/24/22 23:04	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	10/24/22 23:04	CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	10/24/22 23:04	CMR
4-Methyl-2-pentanone (MIBK)	0.18	0.20	0.11	J	0.74	0.82	0.44	4	10/24/22 23:04	CMR
Naphthalene	ND	0.20	0.15	L-03	ND	1.0	0.79	4	10/24/22 23:04	CMR
Propene	ND	8.0	1.8		ND	14	3.0	4	10/24/22 23:04	CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	10/24/22 23:04	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	10/24/22 23:04	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 10/18/2022
Field Sample #: Influent
Sample ID: 22J2613-01
Sample Matrix: Air
Sampled: 10/14/2022 07:03

Sample Description/Location:
Sub Description/Location:
Canister ID: 2613
Canister Size: 3 liter
Flow Controller ID: 4003
Sample Type: 30 min

Work Order: 22J2613
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	ND	0.20	0.15		ND	1.4	1.0	4	10/24/22 23:04	CMR
Tetrahydrofuran	4.6	2.0	0.33		14	5.9	0.97	4	10/24/22 23:04	CMR
Toluene	6.9	0.20	0.11		26	0.75	0.43	4	10/24/22 23:04	CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19	L-03	ND	1.5	1.4	4	10/24/22 23:04	CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	10/24/22 23:04	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	10/24/22 23:04	CMR
Trichloroethylene	ND	0.20	0.13		ND	1.1	0.72	4	10/24/22 23:04	CMR
Trichlorofluoromethane (Freon 11)	0.34	0.80	0.24	L-05, J	1.9	4.5	1.3	4	10/24/22 23:04	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	10/24/22 23:04	CMR
1,2,4-Trimethylbenzene	0.33	0.20	0.088		1.6	0.98	0.43	4	10/24/22 23:04	CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	10/24/22 23:04	CMR
Vinyl Acetate	1.5	4.0	1.1	V-05, L-03, J	5.3	14	3.8	4	10/24/22 23:04	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	10/24/22 23:04	CMR
m&p-Xylene	1.1	0.40	0.22		4.7	1.7	0.97	4	10/24/22 23:04	CMR
o-Xylene	0.46	0.20	0.10		2.0	0.87	0.44	4	10/24/22 23:04	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	89.9	70-130	10/24/22 23:04

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 10/18/2022
Field Sample #: Effluent
Sample ID: 22J2613-02
Sample Matrix: Air
Sampled: 10/14/2022 07:08

Sample Description/Location:
Sub Description/Location:
Canister ID: 2585
Canister Size: 3 liter
Flow Controller ID: 4234
Sample Type: 30 min

Work Order: 22J2613
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -2
Receipt Vacuum(in Hg): -1.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	8.0	4.8		ND	19	11	4	10/24/22 22:05	CMR
Benzene	0.27	0.20	0.15		0.86	0.64	0.48	4	10/24/22 22:05	CMR
Benzyl chloride	ND	0.40	0.18		ND	2.1	0.91	4	10/24/22 22:05	CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	10/24/22 22:05	CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	10/24/22 22:05	CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	10/24/22 22:05	CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	10/24/22 22:05	CMR
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	10/24/22 22:05	CMR
Carbon Disulfide	ND	2.0	0.18		ND	6.2	0.58	4	10/24/22 22:05	CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	10/24/22 22:05	CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	10/24/22 22:05	CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	10/24/22 22:05	CMR
Chloroform	ND	0.20	0.19		ND	0.98	0.93	4	10/24/22 22:05	CMR
Chloromethane	0.59	0.40	0.16		1.2	0.83	0.33	4	10/24/22 22:05	CMR
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	10/24/22 22:05	CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	10/24/22 22:05	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	10/24/22 22:05	CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	10/24/22 22:05	CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	10/24/22 22:05	CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	10/24/22 22:05	CMR
Dichlorodifluoromethane (Freon 12)	0.63	0.20	0.20		3.1	0.99	0.97	4	10/24/22 22:05	CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	10/24/22 22:05	CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	10/24/22 22:05	CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	10/24/22 22:05	CMR
cis-1,2-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.58	4	10/24/22 22:05	CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	10/24/22 22:05	CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	10/24/22 22:05	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	10/24/22 22:05	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	10/24/22 22:05	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	10/24/22 22:05	CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	10/24/22 22:05	CMR
Ethanol	8.5	8.0	3.5		16	15	6.6	4	10/24/22 22:05	CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	10/24/22 22:05	CMR
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	10/24/22 22:05	CMR
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	10/24/22 22:05	CMR
Heptane	0.16	0.20	0.13	J	0.64	0.82	0.52	4	10/24/22 22:05	CMR
Hexachlorobutadiene	ND	0.20	0.16	L-03	ND	2.1	1.8	4	10/24/22 22:05	CMR
Hexane	1.6	8.0	1.0	J	5.6	28	3.7	4	10/24/22 22:05	CMR
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	10/24/22 22:05	CMR
Isopropanol	ND	8.0	1.4		ND	20	3.4	4	10/24/22 22:05	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	10/24/22 22:05	CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	10/24/22 22:05	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	10/24/22 22:05	CMR
Naphthalene	ND	0.20	0.15	L-03	ND	1.0	0.79	4	10/24/22 22:05	CMR
Propene	ND	8.0	1.8		ND	14	3.0	4	10/24/22 22:05	CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	10/24/22 22:05	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	10/24/22 22:05	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 10/18/2022
Field Sample #: Effluent
Sample ID: 22J2613-02
Sample Matrix: Air
Sampled: 10/14/2022 07:08

Sample Description/Location:
Sub Description/Location:
Canister ID: 2585
Canister Size: 3 liter
Flow Controller ID: 4234
Sample Type: 30 min

Work Order: 22J2613
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -2
Receipt Vacuum(in Hg): -1.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	3.1	0.20	0.15		21	1.4	1.0	4	10/24/22 22:05	CMR
Tetrahydrofuran	0.91	2.0	0.33	J	2.7	5.9	0.97	4	10/24/22 22:05	CMR
Toluene	0.82	0.20	0.11		3.1	0.75	0.43	4	10/24/22 22:05	CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19	L-03	ND	1.5	1.4	4	10/24/22 22:05	CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	10/24/22 22:05	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	10/24/22 22:05	CMR
Trichloroethylene	ND	0.20	0.13		ND	1.1	0.72	4	10/24/22 22:05	CMR
Trichlorofluoromethane (Freon 11)	0.28	0.80	0.24	L-05, J	1.6	4.5	1.3	4	10/24/22 22:05	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	10/24/22 22:05	CMR
1,2,4-Trimethylbenzene	0.17	0.20	0.088	J	0.85	0.98	0.43	4	10/24/22 22:05	CMR
1,3,5-Trimethylbenzene	0.14	0.20	0.11	J	0.67	0.98	0.52	4	10/24/22 22:05	CMR
Vinyl Acetate	ND	4.0	1.1	L-03, V-05	ND	14	3.8	4	10/24/22 22:05	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	10/24/22 22:05	CMR
m&p-Xylene	0.35	0.40	0.22	J	1.5	1.7	0.97	4	10/24/22 22:05	CMR
o-Xylene	0.11	0.20	0.10	J	0.47	0.87	0.44	4	10/24/22 22:05	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	88.9	70-130	10/24/22 22:05

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 10/18/2022
Field Sample #: Effluent Duplicate
Sample ID: 22J2613-03
Sample Matrix: Air
Sampled: 10/14/2022 07:08

Sample Description/Location:
Sub Description/Location:
Canister ID: 2725
Canister Size: 3 liter
Flow Controller ID: 4258
Sample Type: 30 min

Work Order: 22J2613
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	8.0	4.8		ND	19	11	4	10/24/22 22:34	CMR
Benzene	0.27	0.20	0.15		0.87	0.64	0.48	4	10/24/22 22:34	CMR
Benzyl chloride	ND	0.40	0.18		ND	2.1	0.91	4	10/24/22 22:34	CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	10/24/22 22:34	CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	10/24/22 22:34	CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	10/24/22 22:34	CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	10/24/22 22:34	CMR
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	10/24/22 22:34	CMR
Carbon Disulfide	ND	2.0	0.18		ND	6.2	0.58	4	10/24/22 22:34	CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	10/24/22 22:34	CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	10/24/22 22:34	CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	10/24/22 22:34	CMR
Chloroform	ND	0.20	0.19		ND	0.98	0.93	4	10/24/22 22:34	CMR
Chloromethane	0.60	0.40	0.16		1.2	0.83	0.33	4	10/24/22 22:34	CMR
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	10/24/22 22:34	CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	10/24/22 22:34	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	10/24/22 22:34	CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	10/24/22 22:34	CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	10/24/22 22:34	CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	10/24/22 22:34	CMR
Dichlorodifluoromethane (Freon 12)	0.57	0.20	0.20		2.8	0.99	0.97	4	10/24/22 22:34	CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	10/24/22 22:34	CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	10/24/22 22:34	CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	10/24/22 22:34	CMR
cis-1,2-Dichloroethylene	0.15	0.20	0.15	J	0.59	0.79	0.58	4	10/24/22 22:34	CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	10/24/22 22:34	CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	10/24/22 22:34	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	10/24/22 22:34	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	10/24/22 22:34	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	10/24/22 22:34	CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	10/24/22 22:34	CMR
Ethanol	5.3	8.0	3.5	J	9.9	15	6.6	4	10/24/22 22:34	CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	10/24/22 22:34	CMR
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	10/24/22 22:34	CMR
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	10/24/22 22:34	CMR
Heptane	ND	0.20	0.13		ND	0.82	0.52	4	10/24/22 22:34	CMR
Hexachlorobutadiene	ND	0.20	0.16	L-03	ND	2.1	1.8	4	10/24/22 22:34	CMR
Hexane	1.6	8.0	1.0	J	5.8	28	3.7	4	10/24/22 22:34	CMR
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	10/24/22 22:34	CMR
Isopropanol	ND	8.0	1.4		ND	20	3.4	4	10/24/22 22:34	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	10/24/22 22:34	CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	10/24/22 22:34	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	10/24/22 22:34	CMR
Naphthalene	ND	0.20	0.15	L-03	ND	1.0	0.79	4	10/24/22 22:34	CMR
Propene	ND	8.0	1.8		ND	14	3.0	4	10/24/22 22:34	CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	10/24/22 22:34	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	10/24/22 22:34	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 10/18/2022
Field Sample #: Effluent Duplicate
Sample ID: 22J2613-03
Sample Matrix: Air
Sampled: 10/14/2022 07:08

Sample Description/Location:
Sub Description/Location:
Canister ID: 2725
Canister Size: 3 liter
Flow Controller ID: 4258
Sample Type: 30 min

Work Order: 22J2613
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	6.2	0.20	0.15		42	1.4	1.0	4	10/24/22 22:34	CMR
Tetrahydrofuran	0.66	2.0	0.33	J	1.9	5.9	0.97	4	10/24/22 22:34	CMR
Toluene	0.80	0.20	0.11		3.0	0.75	0.43	4	10/24/22 22:34	CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19	L-03	ND	1.5	1.4	4	10/24/22 22:34	CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	10/24/22 22:34	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	10/24/22 22:34	CMR
Trichloroethylene	ND	0.20	0.13		ND	1.1	0.72	4	10/24/22 22:34	CMR
Trichlorofluoromethane (Freon 11)	0.26	0.80	0.24	L-05, J	1.5	4.5	1.3	4	10/24/22 22:34	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	10/24/22 22:34	CMR
1,2,4-Trimethylbenzene	0.15	0.20	0.088	J	0.75	0.98	0.43	4	10/24/22 22:34	CMR
1,3,5-Trimethylbenzene	0.22	0.20	0.11		1.1	0.98	0.52	4	10/24/22 22:34	CMR
Vinyl Acetate	ND	4.0	1.1	L-03, V-05	ND	14	3.8	4	10/24/22 22:34	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	10/24/22 22:34	CMR
m&p-Xylene	0.36	0.40	0.22	J	1.6	1.7	0.97	4	10/24/22 22:34	CMR
o-Xylene	0.13	0.20	0.10	J	0.56	0.87	0.44	4	10/24/22 22:34	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	87.8	70-130	10/24/22 22:34

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22J2613-01 [Influent]	B321335	1.5	1	N/A	1000	200	75	10/24/22
22J2613-02 [Effluent]	B321335	1.5	1	N/A	1000	200	75	10/24/22
22J2613-03 [Effluent Duplicate]	B321335	1.5	1	N/A	1000	200	75	10/24/22

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B321335 - TO-15 Prep											
Blank (B321335-BLK1)					Prepared & Analyzed: 10/24/22						
Acetone	ND	0.80									
Benzene	ND	0.020									
Benzyl chloride	ND	0.040									
Bromodichloromethane	ND	0.020									
Bromoform	ND	0.020									
Bromomethane	ND	0.020									
1,3-Butadiene	ND	0.020									
2-Butanone (MEK)	ND	0.80									
Carbon Disulfide	ND	0.20									
Carbon Tetrachloride	ND	0.020									
Chlorobenzene	ND	0.020									
Chloroethane	ND	0.020									
Chloroform	ND	0.020									
Chloromethane	ND	0.040									
Cyclohexane	ND	0.020									
Dibromochloromethane	ND	0.020									
1,2-Dibromoethane (EDB)	ND	0.020									
1,2-Dichlorobenzene	ND	0.020									
1,3-Dichlorobenzene	ND	0.020									
1,4-Dichlorobenzene	ND	0.020									
Dichlorodifluoromethane (Freon 12)	ND	0.020									
1,1-Dichloroethane	ND	0.020									
1,2-Dichloroethane	ND	0.020									
1,1-Dichloroethylene	ND	0.020									
cis-1,2-Dichloroethylene	ND	0.020									
trans-1,2-Dichloroethylene	ND	0.020									
1,2-Dichloropropane	ND	0.020									
cis-1,3-Dichloropropene	ND	0.020									
trans-1,3-Dichloropropene	ND	0.020									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.020									
1,4-Dioxane	ND	0.20									
Ethanol	ND	0.80									
Ethyl Acetate	ND	0.20									
Ethylbenzene	ND	0.020									
4-Ethyltoluene	ND	0.020									
Heptane	ND	0.020									
Hexachlorobutadiene	ND	0.020									L-03
Hexane	ND	0.80									
2-Hexanone (MBK)	ND	0.020									
Isopropanol	0.62	0.80									J
Methyl tert-Butyl Ether (MTBE)	ND	0.020									
Methylene Chloride	ND	0.20									
4-Methyl-2-pentanone (MIBK)	ND	0.020									
Naphthalene	ND	0.020									L-03
Propene	ND	0.80									
Styrene	ND	0.020									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B321335 - TO-15 Prep												
Blank (B321335-BLK1)					Prepared & Analyzed: 10/24/22							
1,1,2,2-Tetrachloroethane	ND	0.020										
Tetrachloroethylene	ND	0.020										
Tetrahydrofuran	ND	0.20										
Toluene	ND	0.020										
1,2,4-Trichlorobenzene	ND	0.020										L-03
1,1,1-Trichloroethane	ND	0.020										
1,1,2-Trichloroethane	ND	0.020										
Trichloroethylene	ND	0.020										
Trichlorofluoromethane (Freon 11)	ND	0.080										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.080										
1,2,4-Trimethylbenzene	ND	0.020										
1,3,5-Trimethylbenzene	ND	0.020										
Vinyl Acetate	ND	0.40										L-03, V-05
Vinyl Chloride	ND	0.020										
m&p-Xylene	ND	0.040										
o-Xylene	ND	0.020										
Surrogate: 4-Bromofluorobenzene (1)	*7.64*				*8.00*		*95.5*		*70-130*			
LCS (B321335-BS1)					Prepared & Analyzed: 10/24/22							
Acetone	5.30				5.00		106		70-130			
Benzene	4.99				5.00		99.8		70-130			
Benzyl chloride	6.51				5.00		130		70-130			L-01, V-20,
Bromodichloromethane	4.96				5.00		99.2		70-130			
Bromoform	5.38				5.00		108		70-130			
Bromomethane	6.62				5.00		**132**	*	70-130			L-01, V-20
1,3-Butadiene	5.90				5.00		118		70-130			
2-Butanone (MEK)	5.24				5.00		105		70-130			
Carbon Disulfide	6.05				5.00		121		70-130			
Carbon Tetrachloride	5.48				5.00		110		70-130			
Chlorobenzene	5.09				5.00		102		70-130			
Chloroethane	6.25				5.00		125		70-130			
Chloroform	5.94				5.00		119		70-130			
Chloromethane	5.50				5.00		110		70-130			
Cyclohexane	5.16				5.00		103		70-130			
Dibromochloromethane	5.43				5.00		109		70-130			
1,2-Dibromoethane (EDB)	5.27				5.00		105		70-130			
1,2-Dichlorobenzene	5.19				5.00		104		70-130			
1,3-Dichlorobenzene	5.38				5.00		108		70-130			
1,4-Dichlorobenzene	5.70				5.00		114		70-130			
Dichlorodifluoromethane (Freon 12)	6.32				5.00		126		70-130			
1,1-Dichloroethane	6.29				5.00		126		70-130			
1,2-Dichloroethane	5.67				5.00		113		70-130			
1,1-Dichloroethylene	6.02				5.00		120		70-130			
cis-1,2-Dichloroethylene	5.48				5.00		110		70-130			
trans-1,2-Dichloroethylene	5.96				5.00		119		70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B321335 - TO-15 Prep												
LCS (B321335-BS1)					Prepared & Analyzed: 10/24/22							
1,2-Dichloropropane	4.72				5.00		94.3		70-130			
cis-1,3-Dichloropropene	4.88				5.00		97.6		70-130			
trans-1,3-Dichloropropene	4.98				5.00		99.5		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	6.10				5.00		122		70-130			
1,4-Dioxane	4.94				5.00		98.9		70-130			
Ethanol	3.68				5.00		73.5		70-130			
Ethyl Acetate	5.53				5.00		111		70-130			
Ethylbenzene	4.97				5.00		99.4		70-130			
4-Ethyltoluene	5.14				5.00		103		70-130			
Heptane	4.95				5.00		99.0		70-130			
Hexachlorobutadiene	3.24				5.00		**64.9**	*	70-130			L-03
Hexane	5.44				5.00		109		70-130			
2-Hexanone (MBK)	4.21				5.00		84.2		70-130			
Isopropanol	4.57				5.00		91.3		70-130			
Methyl tert-Butyl Ether (MTBE)	7.47				5.00		**149**	*	70-130			L-01, V-20
Methylene Chloride	5.23				5.00		105		70-130			
4-Methyl-2-pentanone (MIBK)	5.32				5.00		106		70-130			
Naphthalene	2.55				5.00		**51.0**	*	70-130			L-03
Propene	5.51				5.00		110		70-130			
Styrene	5.34				5.00		107		70-130			
1,1,2,2-Tetrachloroethane	4.88				5.00		97.7		70-130			
Tetrachloroethylene	5.27				5.00		105		70-130			
Tetrahydrofuran	5.23				5.00		105		70-130			
Toluene	4.90				5.00		98.1		70-130			
1,2,4-Trichlorobenzene	3.41				5.00		**68.2**	*	70-130			L-03, V-36
1,1,1-Trichloroethane	5.40				5.00		108		70-130			
1,1,2-Trichloroethane	5.22				5.00		104		70-130			
Trichloroethylene	4.98				5.00		99.6		70-130			
Trichlorofluoromethane (Freon 11)	6.58				5.00		**132**	*	70-130			L-05
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	6.76				5.00		**135**	*	70-130			L-01, V-20
1,2,4-Trimethylbenzene	5.14				5.00		103		70-130			
1,3,5-Trimethylbenzene	5.53				5.00		111		70-130			
Vinyl Acetate	2.46				5.00		**49.3**	*	70-130			L-03, V-05
Vinyl Chloride	6.17				5.00		123		70-130			
m&p-Xylene	9.71				10.0		97.1		70-130			
o-Xylene	5.28				5.00		106		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.36*				*8.00*		*105*		*70-130*			

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Note: Blank Subtraction is not performed unless otherwise noted

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-05	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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

ANALYST

TPH	Thomas P. Hnitecki
RJM	Raymond J. McCarthy
STATION	PDF Management Station
LR	Lionel Rios
KAM	Kyle A. Murray
CMR	Catherine M. Rouleau

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S069304-ICV1)			Lab File ID: K22A075019.D			Analyzed: 03/16/22 23:55			
Bromochloromethane (1)	104138	2.987	104138	2.987	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	315817	3.584	315817	3.584	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	233658	5.159	233658	5.159	100	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S078511-CCV1)			Lab File ID: K22A297004.D			Analyzed: 10/24/22 14:06			
Bromochloromethane (1)	94154	2.996	94154	2.996	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	317229	3.588	317229	3.588	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	228654	5.163	228654	5.163	100	60 - 140	0.0000	+/-0.50	
LCS (B321335-BS1)			Lab File ID: K22A297005.D			Analyzed: 10/24/22 14:35			
Bromochloromethane (1)	91025	2.996	94154	2.996	97	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	308586	3.588	317229	3.588	97	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	231813	5.163	228654	5.163	101	60 - 140	0.0000	+/-0.50	
Blank (B321335-BLK1)			Lab File ID: K22A297008.D			Analyzed: 10/24/22 16:15			
Bromochloromethane (1)	93101	2.996	94154	2.996	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	287234	3.588	317229	3.588	91	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	224611	5.163	228654	5.163	98	60 - 140	0.0000	+/-0.50	
Effluent (22J2613-02)			Lab File ID: K22A297020.D			Analyzed: 10/24/22 22:05			
Bromochloromethane (1)	91724	2.996	94154	2.996	97	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	278795	3.588	317229	3.588	88	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	216509	5.163	228654	5.163	95	60 - 140	0.0000	+/-0.50	
Effluent Duplicate (22J2613-03)			Lab File ID: K22A297021.D			Analyzed: 10/24/22 22:34			
Bromochloromethane (1)	90929	3.001	94154	2.996	97	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	270981	3.588	317229	3.588	85	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	210099	5.163	228654	5.163	92	60 - 140	0.0000	+/-0.50	
Influent (22J2613-01)			Lab File ID: K22A297022.D			Analyzed: 10/24/22 23:04			
Bromochloromethane (1)	91111	2.996	94154	2.996	97	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	280500	3.588	317229	3.588	88	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	212413	5.163	228654	5.163	93	60 - 140	0.0000	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S078511-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	5.40	1.001504	1.081836		8.0	30
Benzene	A	5.00	4.84	0.633704	0.613674		-3.2	30
Benzyl chloride	A	5.00	7.08	0.4421081	0.6257629		41.5	30 *
Bromodichloromethane	A	5.00	4.99	0.4484742	0.4475858		-0.2	30
Bromoform	A	5.00	5.92	0.5313608	0.6285689		18.3	30
Bromomethane	A	5.00	6.61	0.56846	0.7512968		32.2	30 *
1,3-Butadiene	A	5.00	5.95	0.4941294	0.5880069		19.0	30
2-Butanone (MEK)	A	5.00	5.22	1.143339	1.19384		4.4	30
Carbon Disulfide	A	5.00	5.72	2.101097	2.405421		14.5	30
Carbon Tetrachloride	A	5.00	5.48	0.3583793	0.3924383		9.5	30
Chlorobenzene	A	5.00	5.36	0.7307357	0.7830521		7.2	30
Chloroethane	A	5.00	6.11	0.3728969	0.455696		22.2	30
Chloroform	A	5.00	5.93	1.205973	1.430253		18.6	30
Chloromethane	A	5.00	5.62	0.5843503	0.6570512		12.4	30
Cyclohexane	A	5.00	5.06	0.2474396	0.2504538		1.2	30
Dibromochloromethane	A	5.00	5.73	0.5365627	0.6149169		14.6	30
1,2-Dibromoethane (EDB)	A	5.00	5.64	0.4696428	0.5296667		12.8	30
1,2-Dichlorobenzene	A	5.00	5.87	0.5425411	0.6364971		17.3	30
1,3-Dichlorobenzene	A	5.00	5.99	0.5577685	0.6679437		19.8	30
1,4-Dichlorobenzene	A	5.00	6.26	0.4841678	0.606317		25.2	30
Dichlorodifluoromethane (Freon 12)	A	5.00	6.23	1.437368	1.790547		24.6	30
1,1-Dichloroethane	A	5.00	6.10	0.9933117	1.211326		21.9	30
1,2-Dichloroethane	A	5.00	5.69	0.7604954	0.8654417		13.8	30
1,1-Dichloroethylene	A	5.00	5.75	1.025417	1.179956		15.1	30
cis-1,2-Dichloroethylene	A	5.00	5.40	0.8174361	0.8831149		8.0	30
trans-1,2-Dichloroethylene	A	5.00	5.88	0.8265571	0.9717017		17.6	30
1,2-Dichloropropane	A	5.00	4.69	0.2525551	0.2366997		-6.3	30
cis-1,3-Dichloropropene	A	5.00	5.03	0.4042268	0.4065959		0.6	30
trans-1,3-Dichloropropene	A	5.00	5.27	0.2821754	0.2976273		5.5	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	6.27	1.571176	1.96925		25.3	30
1,4-Dioxane	A	5.00	5.00	0.1252326	0.1251084		-0.1	30
Ethanol	A	5.00	5.54	0.2348114	0.2603055		10.9	30
Ethyl Acetate	A	5.00	5.82	0.1797762	0.2091552		16.3	30
Ethylbenzene	A	5.00	5.23	1.166103	1.220653		4.7	30
4-Ethyltoluene	A	5.00	5.43	1.091537	1.185967		8.7	30
Heptane	A	5.00	4.89	0.2370975	0.2318124		-2.2	30
Hexachlorobutadiene	A	5.00	4.46	0.3846991	0.34324		-10.8	30
Hexane	L	5.00	5.38	0.6117314	0.6794995		7.6	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S078511-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	4.50	0.5293432	0.4762899		-10.0	30
Isopropanol	A	5.00	5.76	1.233151	1.420413		15.2	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	7.49	1.403919	2.10185		49.7	30 *
Methylene Chloride	A	5.00	5.09	0.7749664	0.7887673		1.8	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.02	0.1036732	8.332656E-02		-19.6	30
Naphthalene	A	5.00	4.02	0.9067208	0.7294305		-19.6	30
Propene	A	5.00	5.56	0.4757755	0.5295495		11.3	30
Styrene	A	5.00	5.74	0.6195572	0.7107193		14.7	30
1,1,2,2-Tetrachloroethane	A	5.00	5.20	0.7649521	0.7957455		4.0	30
Tetrachloroethylene	A	5.00	5.49	0.4025457	0.4418904		9.8	30
Tetrahydrofuran	A	5.00	5.30	0.6192362	0.6570512		6.1	30
Toluene	A	5.00	5.11	0.9588753	0.9797161		2.2	30
1,2,4-Trichlorobenzene	A	5.00	5.02	0.2888558	0.2899123		0.4	30
1,1,1-Trichloroethane	A	5.00	5.60	0.4005075	0.4488568		12.1	30
1,1,2-Trichloroethane	A	5.00	5.29	0.333956	0.3531344		5.7	30
Trichloroethylene	A	5.00	5.11	0.2669212	0.2727519		2.2	30
Trichlorofluoromethane (Freon 11)	A	5.00	6.50	1.362748	1.770359		29.9	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	6.58	1.311243	1.724885		31.5	30 *
1,2,4-Trimethylbenzene	A	5.00	5.65	0.9101206	1.029055		13.1	30
1,3,5-Trimethylbenzene	A	5.00	5.92	0.9305716	1.101311		18.3	30
Vinyl Acetate	A	5.00	1.93	1.456769	0.5628056		-61.4	30 *
Vinyl Chloride	A	5.00	5.96	0.6700674	0.7986065		19.2	30
m&p-Xylene	A	10.0	11.9	0.9901728	1.179725		19.1	30
o-Xylene	A	5.00	5.51	0.9006378	0.9923745		10.2	30

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

* Values outside of QC limits

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Acetone	AIHA,NY,ME,NH
Benzene	AIHA,FL,NJ,NY,ME,NH,VA
Benzyl chloride	AIHA,FL,NJ,NY,ME,NH,VA
Bromodichloromethane	AIHA,NJ,NY,ME,NH,VA
Bromoform	AIHA,NJ,NY,ME,NH,VA
Bromomethane	AIHA,FL,NJ,NY,ME,NH
1,3-Butadiene	AIHA,NJ,NY,ME,NH,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,ME,NH,VA
Carbon Disulfide	AIHA,NJ,NY,ME,NH,VA
Carbon Tetrachloride	AIHA,FL,NJ,NY,ME,NH,VA
Chlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Chloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Chloroform	AIHA,FL,NJ,NY,ME,NH,VA
Chloromethane	AIHA,FL,NJ,NY,ME,NH,VA
Cyclohexane	AIHA,NJ,NY,ME,NH,VA
Dibromochloromethane	AIHA,NY,ME,NH
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME,NH
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	AIHA,NJ,NY,ME,NH
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME,NH
1,1-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,ME,NH,VA
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	AIHA,NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA,NJ
Heptane	AIHA,NJ,NY,ME,NH,VA
Hexachlorobutadiene	AIHA,NJ,NY,ME,NH,VA
Hexane	AIHA,FL,NJ,NY,ME,NH,VA
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,ME,NH,VA
Methylene Chloride	AIHA,FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Tetrachloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Tetrahydrofuran	AIHA
Toluene	AIHA,FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	AIHA,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Trichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	AIHA,NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	AIHA,NJ,NY,ME,NH
1,3,5-Trimethylbenzene	AIHA,NJ,NY,ME,NH
Vinyl Acetate	AIHA,FL,NJ,NY,ME,NH,VA
Vinyl Chloride	AIHA,FL,NJ,NY,ME,NH,VA
m&p-Xylene	AIHA,FL,NJ,NY,ME,NH,VA
o-Xylene	AIHA,FL,NJ,NY,ME,NH,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022

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CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name: NYS DEC DER
Address: 625 Broadway Albany NY 12233
Phone: (518) 402-9813
Project Name: Stanley Textile
Project Location: 935 E. Main St. Rochester NY
Project Number: 828660 call out ID
Project Manager: Jasmine Stefansky
Pace Quote Name/Number:
Invoice Recipient: Jasmine.Stefansky@dec.ny.gov
Sampled By: Ryan Glass

Normal Turnaround Required: 7-Day ☒ 10-Day ☐
Due Date:
Rush Turnaround Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐
Data Delivery: Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Lab Use: Pace Work Order#	Client Use: Client Sample ID / Description	Collection Data: Beginning Date/Time	Collection Data: Ending Date/Time	Duration: Total Minutes Sampled	Flow Rate (m³/min, L/min)	Matrix: Code	Volume (Liters, m³)	TO 14/15 Standard List			Initial Pressure (" Hg)	Final Pressure (" Hg)	Lab Receipt Pressure (" Hg)	Summa Can ID	Flow Controller ID
1	Influent	10/14/22 6:33	7:03					X			-26	-4	-4	2613	4003
2	Effluent	10/14/22 6:42	7:08					X			-28	-2	-5	2585	4234
3	Effluent Duplicat	10/14/22 6:42	7:08					X			-29	-3	-3	2725	4258

Comments: Email Results to client and CC darw@nwcontracting.com

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 10/14/22
Received by: (signature)	Date/Time: 10/18 1231
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Pace Analysis Plant Requirements: AK

Special Requirements: ☐ MA MCP Required; MCP Certification Form Required; ☐ CT RCP Required; RCP Certification Form Required; ☐ Other

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NELAC and AIHA-LAP, LLC Accredited

Project Entity: ☐ Government ☐ Municipality ☐ MWRA ☐ WRTA ☐ Federal ☐ 21 J ☐ School ☐ City ☐ Brownfield ☐ MBTA

Other: ☐ Chromatogram ☐ AIHA-LAP,LLC

PCB ONLY: ☐ Soxhlet ☐ Non Soxhlet

FedEx® Tracking

DELIVERED

Tuesday

10/18/2022 at 12:31 pm

Signed for by: APIENSHOWSKI

Obtain Proof of delivery

DELIVERY STATUS

Delivered

Get Status Updates

TRACKING ID

770055812074

FROM
ALDEN, NY US

PACKAGE RECEIVED BY FEDEX
FARMINGTON, NY
10/14/2022 2:04 PM

IN TRANSIT
WINDSOR, CT
10/18/2022 6:40 AM

OUT FOR DELIVERY
WINDSOR, CT
10/18/2022 6:50 AM

DELIVERED
East Longmeadow, MA US

DELIVERED
10/18/2022 at 12:31 PM

View travel history

Manage Delivery

Shipment facts

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.pacelabs.com

Pace PEOPLE ADVANCING SCIENCE

Doc# 278 Rev 7 July 2022

Air Media Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client NY DEC

Received By: VR | Date: 10/18 | Time: 1231

How Were the samples received? In Cooler: | On Ice: | No Ice:
In Box: T | Ambient: | Melted Ice:

Were samples within Tempurature Compliance? Within 2-6°C: | By Gun #: | Actual Temp -
By Blank #: | Actual Temp -

Was Custody Seal In tact? NA | Were Samples Tampered with? NA

Was COC Relinquished ? T | Does Chain Agree With Samples? T

Are there any loose caps/valves on any samples? F

Is COC in ink/ Legible? T | Were samples received within holding time?

Did COC Include all Pertinent Information? Client? T | Analysis? T | Sampler Name? T
Project? T | ID's? T | Collection Dates/Times? T

Are Sample Labels filled out and legible?

Are there Rushes? F | Who was notified?

Samples are received within holding time? T

Proper Media Used? T | Individually Certified Cans?

Are there Trip Blanks? F | Is there enough Volume?

Containers:	#	Size	Regulator	Duration	Accessories:			
Summa Cans	3	3L	3	30 min	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/TO-11s					Tedlar			

Can #'s					Reg #'s				
2613					4003				
2585					4234				
2725					4258				
Unused Media					**Pufs/TO-17's**				

Comments:

Air Sampling Media Certificate of Analysis

Date Analyzed: 9/22/2021 **Batch #:** 22CC789

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2613, BC2585

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 10/27/22

Air Sampling Media Certificate of Analysis

Date Analyzed: 7/25/2022 **Batch #:** 22CC628

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2725

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 10/27/22

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January 5, 2023

Robert Strang
NYS Division of Environmental Remediation
625 Broadway 12th Floor
Albany, NY 12233-7012

Project Location: 935 E. Main St, Rochester, NY
Client Job Number:
Project Number: 828160
Laboratory Work Order Number: 22L3188

Enclosed are results of analyses for samples as received by the laboratory on December 22, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

QA Officer
Katherine Allen

Laboratory Manager
Daren Damboragian

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

NYS Division of Environmental Remediation
625 Broadway 12th Floor
Albany, NY 12233-7012
ATTN: Robert Strang

REPORT DATE: 1/5/2023

PURCHASE ORDER NUMBER: 142737

PROJECT NUMBER: 828160

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22L3188

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

PROJECT LOCATION: 935 E. Main St, Rochester, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SVE-1	22L3188-01	Soil Gas		EPA TO-15	
SVE-2	22L3188-02	Soil Gas		EPA TO-15	
SVE-3	22L3188-03	Soil Gas		EPA TO-15	
SVE-4	22L3188-04	Soil Gas		EPA TO-15	
SVE-5	22L3188-05	Soil Gas		EPA TO-15	
SVE-6	22L3188-06	Soil Gas		EPA TO-15	
SVE-7	22L3188-07	Soil Gas		EPA TO-15	
SVE-8	22L3188-08	Soil Gas		EPA TO-15	
SVE-9	22L3188-09	Soil Gas		EPA TO-15	
SVE-10	22L3188-10	Soil Gas		EPA TO-15	
SVE-11	22L3188-11	Soil Gas		EPA TO-15	
SVE-12	22L3188-12	Soil Gas		EPA TO-15	
SVE-13	22L3188-13	Soil Gas		EPA TO-15	
SVE-14	22L3188-14	Soil Gas		EPA TO-15	
SVE-15	22L3188-15	Soil Gas		EPA TO-15	
SVE-16	22L3188-16	Soil Gas		EPA TO-15	
SVE-17	22L3188-17	Soil Gas		EPA TO-15	
SVE-18	22L3188-18	Soil Gas		EPA TO-15	
SVE-14 DUP	22L3188-19	Soil Gas		EPA TO-15	
Influent	22L3188-20	Soil Gas		EPA TO-15	
Effluent	22L3188-21	Soil Gas		EPA TO-15	
Effluent DUP	22L3188-22	Soil Gas		EPA TO-15	

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CASE NARRATIVE SUMMARY

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

EPA TO-15

Qualifications:

B Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

Tetrachloroethylene

B327630-BS1

B-07 Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

Tetrachloroethylene

B327630-BLK1

L-03 Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Ethanol

22L3188-07[SVE-7], 22L3188-10[SVE-10], 22L3188-11[SVE-11], 22L3188-12[SVE-12], B327630-BLK1, B327630-BS1

RL-11 Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22L3188-02[SVE-2], 22L3188-06[SVE-6], 22L3188-07[SVE-7], 22L3188-08[SVE-8], 22L3188-09[SVE-9], 22L3188-10[SVE-10], 22L3188- 11[SVE-11], 22L3188-12[SVE-12], 22L3188-13[SVE-13], 22L3188-14[SVE-14], 22L3188-15[SVE-15], 22L3188-16[SVE-16], 22L3188-17[SVE-17], 22L3188-18[SVE-18], 22L3188-19[SVE-14 DUP], 22L3188-20[Influent], 22L3188-21[Effluent], 22L3188-22[Effluent DUP]

RL-12 Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

22L3188-04[SVE-4]

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The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Meghan E. Kelley
Reporting Specialist

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-1
Sample ID: 22L3188-01
Sample Matrix: Soil Gas
Sampled: 12/19/2022 11:45

Sample Description/Location:
Sub Description/Location:
Canister ID: 2262
Canister Size: 3 liter
Flow Controller ID: 4350
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -2.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	8.0	4.8		ND	19	11	4	1/3/23 16:20	CMR
Benzene	ND	0.20	0.15		ND	0.64	0.48	4	1/3/23 16:20	CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	1/3/23 16:20	CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	1/3/23 16:20	CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	1/3/23 16:20	CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	1/3/23 16:20	CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	1/3/23 16:20	CMR
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	1/3/23 16:20	CMR
Carbon Disulfide	ND	2.0	0.18		ND	6.2	0.58	4	1/3/23 16:20	CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	1/3/23 16:20	CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	1/3/23 16:20	CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	1/3/23 16:20	CMR
Chloroform	ND	0.20	0.19		ND	0.98	0.93	4	1/3/23 16:20	CMR
Chloromethane	0.36	0.40	0.16	J	0.74	0.83	0.33	4	1/3/23 16:20	CMR
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	1/3/23 16:20	CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	1/3/23 16:20	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	1/3/23 16:20	CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	1/3/23 16:20	CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	1/3/23 16:20	CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	1/3/23 16:20	CMR
Dichlorodifluoromethane (Freon 12)	0.48	0.20	0.20		2.4	0.99	0.97	4	1/3/23 16:20	CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	1/3/23 16:20	CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	1/3/23 16:20	CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	1/3/23 16:20	CMR
cis-1,2-Dichloroethylene	1.2	0.20	0.15		4.8	0.79	0.58	4	1/3/23 16:20	CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	1/3/23 16:20	CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	1/3/23 16:20	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	1/3/23 16:20	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	1/3/23 16:20	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	1/3/23 16:20	CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	1/3/23 16:20	CMR
Ethanol	ND	8.0	3.5		ND	15	6.6	4	1/3/23 16:20	CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	1/3/23 16:20	CMR
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	1/3/23 16:20	CMR
4-Ethyltoluene	2.7	0.20	0.12		13	0.98	0.60	4	1/3/23 16:20	CMR
Heptane	ND	0.20	0.13		ND	0.82	0.52	4	1/3/23 16:20	CMR
Hexachlorobutadiene	ND	0.20	0.16		ND	2.1	1.8	4	1/3/23 16:20	CMR
Hexane	ND	8.0	1.0		ND	28	3.7	4	1/3/23 16:20	CMR
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	1/3/23 16:20	CMR
Isopropanol	ND	8.0	1.4		ND	20	3.4	4	1/3/23 16:20	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	1/3/23 16:20	CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	1/3/23 16:20	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	1/3/23 16:20	CMR
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	1/3/23 16:20	CMR
Propene	ND	8.0	1.8		ND	14	3.0	4	1/3/23 16:20	CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	1/3/23 16:20	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	1/3/23 16:20	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-1
Sample ID: 22L3188-01
Sample Matrix: Soil Gas
Sampled: 12/19/2022 11:45

Sample Description/Location:
Sub Description/Location:
Canister ID: 2262
Canister Size: 3 liter
Flow Controller ID: 4350
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -2.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.49	0.20	0.15		3.3	1.4	1.0	4	1/3/23 16:20	CMR
Tetrahydrofuran	1.9	2.0	0.33	J	5.6	5.9	0.97	4	1/3/23 16:20	CMR
Toluene	0.17	0.20	0.11	J	0.65	0.75	0.43	4	1/3/23 16:20	CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	1/3/23 16:20	CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	1/3/23 16:20	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	1/3/23 16:20	CMR
Trichloroethylene	ND	0.20	0.13		ND	1.1	0.72	4	1/3/23 16:20	CMR
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	1/3/23 16:20	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	1/3/23 16:20	CMR
1,2,4-Trimethylbenzene	28	0.20	0.088		140	0.98	0.43	4	1/3/23 16:20	CMR
1,3,5-Trimethylbenzene	6.3	0.20	0.11		31	0.98	0.52	4	1/3/23 16:20	CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	1/3/23 16:20	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	1/3/23 16:20	CMR
m&p-Xylene	0.37	0.40	0.22	J	1.6	1.7	0.97	4	1/3/23 16:20	CMR
o-Xylene	ND	0.20	0.10		ND	0.87	0.44	4	1/3/23 16:20	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	118	70-130	1/3/23 16:20

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-2
Sample ID: 22L3188-02
Sample Matrix: Soil Gas
Sampled: 12/19/2022 11:52

Sample Description/Location:
Sub Description/Location:
Canister ID: 2420
Canister Size: 3 liter
Flow Controller ID: 4344
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -1.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	80	48		ND	190	110	40	1/3/23 19:39	CMR
Benzene	ND	2.0	1.5		ND	6.4	4.8	40	1/3/23 19:39	CMR
Benzyl chloride	ND	2.0	1.8		ND	10	9.1	40	1/3/23 19:39	CMR
Bromodichloromethane	ND	2.0	1.4		ND	13	9.4	40	1/3/23 19:39	CMR
Bromoform	ND	2.0	1.4		ND	21	14	40	1/3/23 19:39	CMR
Bromomethane	ND	2.0	1.3		ND	7.8	5.2	40	1/3/23 19:39	CMR
1,3-Butadiene	ND	2.0	1.7		ND	4.4	3.7	40	1/3/23 19:39	CMR
2-Butanone (MEK)	ND	80	21		ND	240	63	40	1/3/23 19:39	CMR
Carbon Disulfide	ND	20	1.8		ND	62	5.8	40	1/3/23 19:39	CMR
Carbon Tetrachloride	ND	2.0	1.6		ND	13	10	40	1/3/23 19:39	CMR
Chlorobenzene	ND	2.0	1.3		ND	9.2	6.1	40	1/3/23 19:39	CMR
Chloroethane	ND	2.0	1.8		ND	5.3	4.7	40	1/3/23 19:39	CMR
Chloroform	ND	2.0	1.9		ND	9.8	9.3	40	1/3/23 19:39	CMR
Chloromethane	ND	4.0	1.6		ND	8.3	3.3	40	1/3/23 19:39	CMR
Cyclohexane	ND	2.0	1.2		ND	6.9	4.2	40	1/3/23 19:39	CMR
Dibromochloromethane	ND	2.0	1.3		ND	17	11	40	1/3/23 19:39	CMR
1,2-Dibromoethane (EDB)	ND	2.0	1.2		ND	15	9.3	40	1/3/23 19:39	CMR
1,2-Dichlorobenzene	ND	2.0	1.1		ND	12	6.9	40	1/3/23 19:39	CMR
1,3-Dichlorobenzene	ND	2.0	1.1		ND	12	6.7	40	1/3/23 19:39	CMR
1,4-Dichlorobenzene	ND	2.0	1.3		ND	12	7.9	40	1/3/23 19:39	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0	2.0		ND	9.9	9.7	40	1/3/23 19:39	CMR
1,1-Dichloroethane	ND	2.0	1.7		ND	8.1	7.1	40	1/3/23 19:39	CMR
1,2-Dichloroethane	ND	2.0	1.8		ND	8.1	7.3	40	1/3/23 19:39	CMR
1,1-Dichloroethylene	ND	2.0	1.5		ND	7.9	6.0	40	1/3/23 19:39	CMR
cis-1,2-Dichloroethylene	27	2.0	1.5		110	7.9	5.8	40	1/3/23 19:39	CMR
trans-1,2-Dichloroethylene	ND	2.0	1.6		ND	7.9	6.2	40	1/3/23 19:39	CMR
1,2-Dichloropropane	ND	2.0	1.1		ND	9.2	5.0	40	1/3/23 19:39	CMR
cis-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.7	40	1/3/23 19:39	CMR
trans-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.6	40	1/3/23 19:39	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	2.0		ND	14	14	40	1/3/23 19:39	CMR
1,4-Dioxane	ND	20	1.7		ND	72	6.0	40	1/3/23 19:39	CMR
Ethanol	ND	80	35		ND	150	66	40	1/3/23 19:39	CMR
Ethyl Acetate	ND	20	10		ND	72	36	40	1/3/23 19:39	CMR
Ethylbenzene	ND	2.0	1.2		ND	8.7	5.1	40	1/3/23 19:39	CMR
4-Ethyltoluene	260	2.0	1.2		1300	9.8	6.0	40	1/3/23 19:39	CMR
Heptane	1.8	2.0	1.3	J	7.2	8.2	5.2	40	1/3/23 19:39	CMR
Hexachlorobutadiene	ND	2.0	1.6		ND	21	18	40	1/3/23 19:39	CMR
Hexane	ND	80	10		ND	280	37	40	1/3/23 19:39	CMR
2-Hexanone (MBK)	ND	2.0	1.0		ND	8.2	4.1	40	1/3/23 19:39	CMR
Isopropanol	ND	80	14		ND	200	34	40	1/3/23 19:39	CMR
Methyl tert-Butyl Ether (MTBE)	ND	2.0	1.5		ND	7.2	5.6	40	1/3/23 19:39	CMR
Methylene Chloride	ND	20	9.3		ND	69	32	40	1/3/23 19:39	CMR
4-Methyl-2-pentanone (MIBK)	ND	2.0	1.1		ND	8.2	4.4	40	1/3/23 19:39	CMR
Naphthalene	ND	2.0	1.5		ND	10	7.9	40	1/3/23 19:39	CMR
Propene	ND	80	18		ND	140	30	40	1/3/23 19:39	CMR
Styrene	ND	2.0	1.1		ND	8.5	4.5	40	1/3/23 19:39	CMR
1,1,2,2-Tetrachloroethane	ND	2.0	1.1		ND	14	7.4	40	1/3/23 19:39	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-2
Sample ID: 22L3188-02
Sample Matrix: Soil Gas
Sampled: 12/19/2022 11:52

Sample Description/Location:
Sub Description/Location:
Canister ID: 2420
Canister Size: 3 liter
Flow Controller ID: 4344
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -1.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	1200	2.0	1.5		7800	14	10	40	1/3/23 19:39	CMR
Tetrahydrofuran	ND	20	3.3		ND	59	9.7	40	1/3/23 19:39	CMR
Toluene	ND	2.0	1.1		ND	7.5	4.3	40	1/3/23 19:39	CMR
1,2,4-Trichlorobenzene	ND	2.0	1.9		ND	15	14	40	1/3/23 19:39	CMR
1,1,1-Trichloroethane	ND	2.0	1.6		ND	11	8.6	40	1/3/23 19:39	CMR
1,1,2-Trichloroethane	ND	2.0	1.4		ND	11	7.7	40	1/3/23 19:39	CMR
Trichloroethylene	18	2.0	1.3		97	11	7.2	40	1/3/23 19:39	CMR
Trichlorofluoromethane (Freon 11)	ND	8.0	2.4		ND	45	13	40	1/3/23 19:39	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	8.0	2.2		ND	61	17	40	1/3/23 19:39	CMR
1,2,4-Trimethylbenzene	1100	2.0	0.88		5600	9.8	4.3	40	1/3/23 19:39	CMR
1,3,5-Trimethylbenzene	870	2.0	1.1		4300	9.8	5.2	40	1/3/23 19:39	CMR
Vinyl Acetate	ND	40	11		ND	140	38	40	1/3/23 19:39	CMR
Vinyl Chloride	ND	2.0	1.8		ND	5.1	4.6	40	1/3/23 19:39	CMR
m&p-Xylene	49	4.0	2.2		210	17	9.7	40	1/3/23 19:39	CMR
o-Xylene	50	2.0	1.0		220	8.7	4.4	40	1/3/23 19:39	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	122	70-130	1/3/23 19:39

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-3
Sample ID: 22L3188-03
Sample Matrix: Soil Gas
Sampled: 12/19/2022 11:54

Sample Description/Location:
Sub Description/Location:
Canister ID: 2274
Canister Size: 3 liter
Flow Controller ID: 4328
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -1.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	8.0	4.8		ND	19	11	4	1/3/23 17:01	CMR
Benzene	ND	0.20	0.15		ND	0.64	0.48	4	1/3/23 17:01	CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	1/3/23 17:01	CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	1/3/23 17:01	CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	1/3/23 17:01	CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	1/3/23 17:01	CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	1/3/23 17:01	CMR
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	1/3/23 17:01	CMR
Carbon Disulfide	0.38	2.0	0.18	J	1.2	6.2	0.58	4	1/3/23 17:01	CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	1/3/23 17:01	CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	1/3/23 17:01	CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	1/3/23 17:01	CMR
Chloroform	ND	0.20	0.19		ND	0.98	0.93	4	1/3/23 17:01	CMR
Chloromethane	0.40	0.40	0.16		0.83	0.83	0.33	4	1/3/23 17:01	CMR
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	1/3/23 17:01	CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	1/3/23 17:01	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	1/3/23 17:01	CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	1/3/23 17:01	CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	1/3/23 17:01	CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	1/3/23 17:01	CMR
Dichlorodifluoromethane (Freon 12)	0.44	0.20	0.20		2.2	0.99	0.97	4	1/3/23 17:01	CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	1/3/23 17:01	CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	1/3/23 17:01	CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	1/3/23 17:01	CMR
cis-1,2-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.58	4	1/3/23 17:01	CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	1/3/23 17:01	CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	1/3/23 17:01	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	1/3/23 17:01	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	1/3/23 17:01	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	1/3/23 17:01	CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	1/3/23 17:01	CMR
Ethanol	ND	8.0	3.5		ND	15	6.6	4	1/3/23 17:01	CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	1/3/23 17:01	CMR
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	1/3/23 17:01	CMR
4-Ethyltoluene	1.6	0.20	0.12		8.0	0.98	0.60	4	1/3/23 17:01	CMR
Heptane	ND	0.20	0.13		ND	0.82	0.52	4	1/3/23 17:01	CMR
Hexachlorobutadiene	ND	0.20	0.16		ND	2.1	1.8	4	1/3/23 17:01	CMR
Hexane	ND	8.0	1.0		ND	28	3.7	4	1/3/23 17:01	CMR
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	1/3/23 17:01	CMR
Isopropanol	ND	8.0	1.4		ND	20	3.4	4	1/3/23 17:01	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	1/3/23 17:01	CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	1/3/23 17:01	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	1/3/23 17:01	CMR
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	1/3/23 17:01	CMR
Propene	ND	8.0	1.8		ND	14	3.0	4	1/3/23 17:01	CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	1/3/23 17:01	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	1/3/23 17:01	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-3
Sample ID: 22L3188-03
Sample Matrix: Soil Gas
Sampled: 12/19/2022 11:54

Sample Description/Location:
Sub Description/Location:
Canister ID: 2274
Canister Size: 3 liter
Flow Controller ID: 4328
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -1.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.83	0.20	0.15		5.6	1.4	1.0	4	1/3/23 17:01	CMR
Tetrahydrofuran	2.6	2.0	0.33		7.7	5.9	0.97	4	1/3/23 17:01	CMR
Toluene	0.12	0.20	0.11	J	0.47	0.75	0.43	4	1/3/23 17:01	CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	1/3/23 17:01	CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	1/3/23 17:01	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	1/3/23 17:01	CMR
Trichloroethylene	ND	0.20	0.13		ND	1.1	0.72	4	1/3/23 17:01	CMR
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	1/3/23 17:01	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	1/3/23 17:01	CMR
1,2,4-Trimethylbenzene	9.5	0.20	0.088		47	0.98	0.43	4	1/3/23 17:01	CMR
1,3,5-Trimethylbenzene	19	0.20	0.11		95	0.98	0.52	4	1/3/23 17:01	CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	1/3/23 17:01	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	1/3/23 17:01	CMR
m&p-Xylene	ND	0.40	0.22		ND	1.7	0.97	4	1/3/23 17:01	CMR
o-Xylene	ND	0.20	0.10		ND	0.87	0.44	4	1/3/23 17:01	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	121	70-130	1/3/23 17:01

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-4
Sample ID: 22L3188-04
Sample Matrix: Soil Gas
Sampled: 12/19/2022 11:55

Sample Description/Location:
Sub Description/Location:
Canister ID: 2429
Canister Size: 3 liter
Flow Controller ID: 4340
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -2.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-12

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	80	48		ND	190	110	40	1/3/23 20:18	CMR
Benzene	ND	2.0	1.5		ND	6.4	4.8	40	1/3/23 20:18	CMR
Benzyl chloride	ND	2.0	1.8		ND	10	9.1	40	1/3/23 20:18	CMR
Bromodichloromethane	ND	2.0	1.4		ND	13	9.4	40	1/3/23 20:18	CMR
Bromoform	ND	2.0	1.4		ND	21	14	40	1/3/23 20:18	CMR
Bromomethane	ND	2.0	1.3		ND	7.8	5.2	40	1/3/23 20:18	CMR
1,3-Butadiene	ND	2.0	1.7		ND	4.4	3.7	40	1/3/23 20:18	CMR
2-Butanone (MEK)	ND	80	21		ND	240	63	40	1/3/23 20:18	CMR
Carbon Disulfide	ND	20	1.8		ND	62	5.8	40	1/3/23 20:18	CMR
Carbon Tetrachloride	ND	2.0	1.6		ND	13	10	40	1/3/23 20:18	CMR
Chlorobenzene	ND	2.0	1.3		ND	9.2	6.1	40	1/3/23 20:18	CMR
Chloroethane	ND	2.0	1.8		ND	5.3	4.7	40	1/3/23 20:18	CMR
Chloroform	ND	2.0	1.9		ND	9.8	9.3	40	1/3/23 20:18	CMR
Chloromethane	ND	4.0	1.6		ND	8.3	3.3	40	1/3/23 20:18	CMR
Cyclohexane	ND	2.0	1.2		ND	6.9	4.2	40	1/3/23 20:18	CMR
Dibromochloromethane	ND	2.0	1.3		ND	17	11	40	1/3/23 20:18	CMR
1,2-Dibromoethane (EDB)	ND	2.0	1.2		ND	15	9.3	40	1/3/23 20:18	CMR
1,2-Dichlorobenzene	ND	2.0	1.1		ND	12	6.9	40	1/3/23 20:18	CMR
1,3-Dichlorobenzene	ND	2.0	1.1		ND	12	6.7	40	1/3/23 20:18	CMR
1,4-Dichlorobenzene	ND	2.0	1.3		ND	12	7.9	40	1/3/23 20:18	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0	2.0		ND	9.9	9.7	40	1/3/23 20:18	CMR
1,1-Dichloroethane	ND	2.0	1.7		ND	8.1	7.1	40	1/3/23 20:18	CMR
1,2-Dichloroethane	ND	2.0	1.8		ND	8.1	7.3	40	1/3/23 20:18	CMR
1,1-Dichloroethylene	ND	2.0	1.5		ND	7.9	6.0	40	1/3/23 20:18	CMR
cis-1,2-Dichloroethylene	9.5	2.0	1.5		38	7.9	5.8	40	1/3/23 20:18	CMR
trans-1,2-Dichloroethylene	ND	2.0	1.6		ND	7.9	6.2	40	1/3/23 20:18	CMR
1,2-Dichloropropane	ND	2.0	1.1		ND	9.2	5.0	40	1/3/23 20:18	CMR
cis-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.7	40	1/3/23 20:18	CMR
trans-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.6	40	1/3/23 20:18	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	2.0		ND	14	14	40	1/3/23 20:18	CMR
1,4-Dioxane	ND	20	1.7		ND	72	6.0	40	1/3/23 20:18	CMR
Ethanol	ND	80	35		ND	150	66	40	1/3/23 20:18	CMR
Ethyl Acetate	ND	20	10		ND	72	36	40	1/3/23 20:18	CMR
Ethylbenzene	ND	2.0	1.2		ND	8.7	5.1	40	1/3/23 20:18	CMR
4-Ethyltoluene	16	2.0	1.2		78	9.8	6.0	40	1/3/23 20:18	CMR
Heptane	ND	2.0	1.3		ND	8.2	5.2	40	1/3/23 20:18	CMR
Hexachlorobutadiene	ND	2.0	1.6		ND	21	18	40	1/3/23 20:18	CMR
Hexane	ND	80	10		ND	280	37	40	1/3/23 20:18	CMR
2-Hexanone (MBK)	ND	2.0	1.0		ND	8.2	4.1	40	1/3/23 20:18	CMR
Isopropanol	ND	80	14		ND	200	34	40	1/3/23 20:18	CMR
Methyl tert-Butyl Ether (MTBE)	ND	2.0	1.5		ND	7.2	5.6	40	1/3/23 20:18	CMR
Methylene Chloride	ND	20	9.3		ND	69	32	40	1/3/23 20:18	CMR
4-Methyl-2-pentanone (MIBK)	ND	2.0	1.1		ND	8.2	4.4	40	1/3/23 20:18	CMR
Naphthalene	ND	2.0	1.5		ND	10	7.9	40	1/3/23 20:18	CMR
Propene	ND	80	18		ND	140	30	40	1/3/23 20:18	CMR
Styrene	ND	2.0	1.1		ND	8.5	4.5	40	1/3/23 20:18	CMR
1,1,2,2-Tetrachloroethane	ND	2.0	1.1		ND	14	7.4	40	1/3/23 20:18	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-4
Sample ID: 22L3188-04
Sample Matrix: Soil Gas
Sampled: 12/19/2022 11:55

Sample Description/Location:
Sub Description/Location:
Canister ID: 2429
Canister Size: 3 liter
Flow Controller ID: 4340
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -2.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-12

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	300	2.0	1.5		2000	14	10	40	1/3/23 20:18	CMR
Tetrahydrofuran	ND	20	3.3		ND	59	9.7	40	1/3/23 20:18	CMR
Toluene	ND	2.0	1.1		ND	7.5	4.3	40	1/3/23 20:18	CMR
1,2,4-Trichlorobenzene	ND	2.0	1.9		ND	15	14	40	1/3/23 20:18	CMR
1,1,1-Trichloroethane	ND	2.0	1.6		ND	11	8.6	40	1/3/23 20:18	CMR
1,1,2-Trichloroethane	ND	2.0	1.4		ND	11	7.7	40	1/3/23 20:18	CMR
Trichloroethylene	8.7	2.0	1.3		47	11	7.2	40	1/3/23 20:18	CMR
Trichlorofluoromethane (Freon 11)	ND	8.0	2.4		ND	45	13	40	1/3/23 20:18	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	8.0	2.2		ND	61	17	40	1/3/23 20:18	CMR
1,2,4-Trimethylbenzene	130	2.0	0.88		640	9.8	4.3	40	1/3/23 20:18	CMR
1,3,5-Trimethylbenzene	96	2.0	1.1		470	9.8	5.2	40	1/3/23 20:18	CMR
Vinyl Acetate	ND	40	11		ND	140	38	40	1/3/23 20:18	CMR
Vinyl Chloride	ND	2.0	1.8		ND	5.1	4.6	40	1/3/23 20:18	CMR
m&p-Xylene	3.0	4.0	2.2	J	13	17	9.7	40	1/3/23 20:18	CMR
o-Xylene	4.4	2.0	1.0		19	8.7	4.4	40	1/3/23 20:18	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	117	70-130	1/3/23 20:18

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-5
Sample ID: 22L3188-05
Sample Matrix: Soil Gas
Sampled: 12/19/2022 12:14

Sample Description/Location:
Sub Description/Location:
Canister ID: 2352
Canister Size: 3 liter
Flow Controller ID: 4118
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -2.0
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	5.5	8.0	4.8	J	13	19	11	4	1/3/23 15:40	CMR
Benzene	0.35	0.20	0.15		1.1	0.64	0.48	4	1/3/23 15:40	CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	1/3/23 15:40	CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	1/3/23 15:40	CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	1/3/23 15:40	CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	1/3/23 15:40	CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	1/3/23 15:40	CMR
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	1/3/23 15:40	CMR
Carbon Disulfide	ND	2.0	0.18		ND	6.2	0.58	4	1/3/23 15:40	CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	1/3/23 15:40	CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	1/3/23 15:40	CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	1/3/23 15:40	CMR
Chloroform	ND	0.20	0.19		ND	0.98	0.93	4	1/3/23 15:40	CMR
Chloromethane	0.50	0.40	0.16		1.0	0.83	0.33	4	1/3/23 15:40	CMR
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	1/3/23 15:40	CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	1/3/23 15:40	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	1/3/23 15:40	CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	1/3/23 15:40	CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	1/3/23 15:40	CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	1/3/23 15:40	CMR
Dichlorodifluoromethane (Freon 12)	0.43	0.20	0.20		2.1	0.99	0.97	4	1/3/23 15:40	CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	1/3/23 15:40	CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	1/3/23 15:40	CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	1/3/23 15:40	CMR
cis-1,2-Dichloroethylene	0.24	0.20	0.15		0.95	0.79	0.58	4	1/3/23 15:40	CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	1/3/23 15:40	CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	1/3/23 15:40	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	1/3/23 15:40	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	1/3/23 15:40	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	1/3/23 15:40	CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	1/3/23 15:40	CMR
Ethanol	4.7	8.0	3.5	J	8.9	15	6.6	4	1/3/23 15:40	CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	1/3/23 15:40	CMR
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	1/3/23 15:40	CMR
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	1/3/23 15:40	CMR
Heptane	ND	0.20	0.13		ND	0.82	0.52	4	1/3/23 15:40	CMR
Hexachlorobutadiene	ND	0.20	0.16		ND	2.1	1.8	4	1/3/23 15:40	CMR
Hexane	ND	8.0	1.0		ND	28	3.7	4	1/3/23 15:40	CMR
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	1/3/23 15:40	CMR
Isopropanol	ND	8.0	1.4		ND	20	3.4	4	1/3/23 15:40	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	1/3/23 15:40	CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	1/3/23 15:40	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	1/3/23 15:40	CMR
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	1/3/23 15:40	CMR
Propene	ND	8.0	1.8		ND	14	3.0	4	1/3/23 15:40	CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	1/3/23 15:40	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	1/3/23 15:40	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-5
Sample ID: 22L3188-05
Sample Matrix: Soil Gas
Sampled: 12/19/2022 12:14

Sample Description/Location:
Sub Description/Location:
Canister ID: 2352
Canister Size: 3 liter
Flow Controller ID: 4118
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -2.0
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.42	0.20	0.15		2.9	1.4	1.0	4	1/3/23 15:40	CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	1/3/23 15:40	CMR
Toluene	0.50	0.20	0.11		1.9	0.75	0.43	4	1/3/23 15:40	CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	1/3/23 15:40	CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	1/3/23 15:40	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	1/3/23 15:40	CMR
Trichloroethylene	0.17	0.20	0.13	J	0.92	1.1	0.72	4	1/3/23 15:40	CMR
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	1/3/23 15:40	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	1/3/23 15:40	CMR
1,2,4-Trimethylbenzene	0.35	0.20	0.088		1.7	0.98	0.43	4	1/3/23 15:40	CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	1/3/23 15:40	CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	1/3/23 15:40	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	1/3/23 15:40	CMR
m&p-Xylene	0.23	0.40	0.22	J	1.0	1.7	0.97	4	1/3/23 15:40	CMR
o-Xylene	ND	0.20	0.10		ND	0.87	0.44	4	1/3/23 15:40	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	113	70-130	1/3/23 15:40

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-6
Sample ID: 22L3188-06
Sample Matrix: Soil Gas
Sampled: 12/19/2022 12:32

Sample Description/Location:
Sub Description/Location:
Canister ID: 2590
Canister Size: 3 liter
Flow Controller ID: 4346
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -3.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	80	48		ND	190	110	40	1/3/23 20:58	CMR
Benzene	ND	2.0	1.5		ND	6.4	4.8	40	1/3/23 20:58	CMR
Benzyl chloride	ND	2.0	1.8		ND	10	9.1	40	1/3/23 20:58	CMR
Bromodichloromethane	ND	2.0	1.4		ND	13	9.4	40	1/3/23 20:58	CMR
Bromoform	ND	2.0	1.4		ND	21	14	40	1/3/23 20:58	CMR
Bromomethane	ND	2.0	1.3		ND	7.8	5.2	40	1/3/23 20:58	CMR
1,3-Butadiene	ND	2.0	1.7		ND	4.4	3.7	40	1/3/23 20:58	CMR
2-Butanone (MEK)	ND	80	21		ND	240	63	40	1/3/23 20:58	CMR
Carbon Disulfide	ND	20	1.8		ND	62	5.8	40	1/3/23 20:58	CMR
Carbon Tetrachloride	ND	2.0	1.6		ND	13	10	40	1/3/23 20:58	CMR
Chlorobenzene	ND	2.0	1.3		ND	9.2	6.1	40	1/3/23 20:58	CMR
Chloroethane	ND	2.0	1.8		ND	5.3	4.7	40	1/3/23 20:58	CMR
Chloroform	ND	2.0	1.9		ND	9.8	9.3	40	1/3/23 20:58	CMR
Chloromethane	ND	4.0	1.6		ND	8.3	3.3	40	1/3/23 20:58	CMR
Cyclohexane	ND	2.0	1.2		ND	6.9	4.2	40	1/3/23 20:58	CMR
Dibromochloromethane	ND	2.0	1.3		ND	17	11	40	1/3/23 20:58	CMR
1,2-Dibromoethane (EDB)	ND	2.0	1.2		ND	15	9.3	40	1/3/23 20:58	CMR
1,2-Dichlorobenzene	ND	2.0	1.1		ND	12	6.9	40	1/3/23 20:58	CMR
1,3-Dichlorobenzene	ND	2.0	1.1		ND	12	6.7	40	1/3/23 20:58	CMR
1,4-Dichlorobenzene	ND	2.0	1.3		ND	12	7.9	40	1/3/23 20:58	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0	2.0		ND	9.9	9.7	40	1/3/23 20:58	CMR
1,1-Dichloroethane	ND	2.0	1.7		ND	8.1	7.1	40	1/3/23 20:58	CMR
1,2-Dichloroethane	ND	2.0	1.8		ND	8.1	7.3	40	1/3/23 20:58	CMR
1,1-Dichloroethylene	ND	2.0	1.5		ND	7.9	6.0	40	1/3/23 20:58	CMR
cis-1,2-Dichloroethylene	37	2.0	1.5		150	7.9	5.8	40	1/3/23 20:58	CMR
trans-1,2-Dichloroethylene	ND	2.0	1.6		ND	7.9	6.2	40	1/3/23 20:58	CMR
1,2-Dichloropropane	ND	2.0	1.1		ND	9.2	5.0	40	1/3/23 20:58	CMR
cis-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.7	40	1/3/23 20:58	CMR
trans-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.6	40	1/3/23 20:58	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	2.0		ND	14	14	40	1/3/23 20:58	CMR
1,4-Dioxane	ND	20	1.7		ND	72	6.0	40	1/3/23 20:58	CMR
Ethanol	ND	80	35		ND	150	66	40	1/3/23 20:58	CMR
Ethyl Acetate	ND	20	10		ND	72	36	40	1/3/23 20:58	CMR
Ethylbenzene	ND	2.0	1.2		ND	8.7	5.1	40	1/3/23 20:58	CMR
4-Ethyltoluene	9.8	2.0	1.2		48	9.8	6.0	40	1/3/23 20:58	CMR
Heptane	ND	2.0	1.3		ND	8.2	5.2	40	1/3/23 20:58	CMR
Hexachlorobutadiene	ND	2.0	1.6		ND	21	18	40	1/3/23 20:58	CMR
Hexane	ND	80	10		ND	280	37	40	1/3/23 20:58	CMR
2-Hexanone (MBK)	ND	2.0	1.0		ND	8.2	4.1	40	1/3/23 20:58	CMR
Isopropanol	ND	80	14		ND	200	34	40	1/3/23 20:58	CMR
Methyl tert-Butyl Ether (MTBE)	ND	2.0	1.5		ND	7.2	5.6	40	1/3/23 20:58	CMR
Methylene Chloride	ND	20	9.3		ND	69	32	40	1/3/23 20:58	CMR
4-Methyl-2-pentanone (MIBK)	ND	2.0	1.1		ND	8.2	4.4	40	1/3/23 20:58	CMR
Naphthalene	ND	2.0	1.5		ND	10	7.9	40	1/3/23 20:58	CMR
Propene	ND	80	18		ND	140	30	40	1/3/23 20:58	CMR
Styrene	ND	2.0	1.1		ND	8.5	4.5	40	1/3/23 20:58	CMR
1,1,2,2-Tetrachloroethane	ND	2.0	1.1		ND	14	7.4	40	1/3/23 20:58	CMR

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

ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-6
Sample ID: 22L3188-06
Sample Matrix: Soil Gas
Sampled: 12/19/2022 12:32

Sample Description/Location:
Sub Description/Location:
Canister ID: 2590
Canister Size: 3 liter
Flow Controller ID: 4346
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -3.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	740	2.0	1.5		5000	14	10	40	1/3/23 20:58	CMR
Tetrahydrofuran	ND	20	3.3		ND	59	9.7	40	1/3/23 20:58	CMR
Toluene	ND	2.0	1.1		ND	7.5	4.3	40	1/3/23 20:58	CMR
1,2,4-Trichlorobenzene	ND	2.0	1.9		ND	15	14	40	1/3/23 20:58	CMR
1,1,1-Trichloroethane	ND	2.0	1.6		ND	11	8.6	40	1/3/23 20:58	CMR
1,1,2-Trichloroethane	ND	2.0	1.4		ND	11	7.7	40	1/3/23 20:58	CMR
Trichloroethylene	28	2.0	1.3		150	11	7.2	40	1/3/23 20:58	CMR
Trichlorofluoromethane (Freon 11)	ND	8.0	2.4		ND	45	13	40	1/3/23 20:58	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	8.0	2.2		ND	61	17	40	1/3/23 20:58	CMR
1,2,4-Trimethylbenzene	86	2.0	0.88		420	9.8	4.3	40	1/3/23 20:58	CMR
1,3,5-Trimethylbenzene	58	2.0	1.1		280	9.8	5.2	40	1/3/23 20:58	CMR
Vinyl Acetate	ND	40	11		ND	140	38	40	1/3/23 20:58	CMR
Vinyl Chloride	ND	2.0	1.8		ND	5.1	4.6	40	1/3/23 20:58	CMR
m&p-Xylene	ND	4.0	2.2		ND	17	9.7	40	1/3/23 20:58	CMR
o-Xylene	2.2	2.0	1.0		9.7	8.7	4.4	40	1/3/23 20:58	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	1/3/23 20:58

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-7
Sample ID: 22L3188-07
Sample Matrix: Soil Gas
Sampled: 12/19/2022 12:33

Sample Description/Location:
Sub Description/Location:
Canister ID: 2597
Canister Size: 3 liter
Flow Controller ID: 4355
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -22
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -1.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	2400	1400		ND	5700	3400	1200	1/4/23 10:08	CMR
Benzene	ND	60	45		ND	190	150	1200	1/4/23 10:08	CMR
Benzyl chloride	ND	60	53		ND	310	270	1200	1/4/23 10:08	CMR
Bromodichloromethane	ND	60	42		ND	400	280	1200	1/4/23 10:08	CMR
Bromoform	ND	60	41		ND	620	420	1200	1/4/23 10:08	CMR
Bromomethane	ND	60	40		ND	230	160	1200	1/4/23 10:08	CMR
1,3-Butadiene	ND	60	50		ND	130	110	1200	1/4/23 10:08	CMR
2-Butanone (MEK)	ND	2400	640		ND	7100	1900	1200	1/4/23 10:08	CMR
Carbon Disulfide	ND	600	55		ND	1900	170	1200	1/4/23 10:08	CMR
Carbon Tetrachloride	ND	60	48		ND	380	300	1200	1/4/23 10:08	CMR
Chlorobenzene	ND	60	40		ND	280	180	1200	1/4/23 10:08	CMR
Chloroethane	ND	60	53		ND	160	140	1200	1/4/23 10:08	CMR
Chloroform	ND	60	57		ND	290	280	1200	1/4/23 10:08	CMR
Chloromethane	ND	120	48		ND	250	98	1200	1/4/23 10:08	CMR
Cyclohexane	1400	60	36		5000	210	120	1200	1/4/23 10:08	CMR
Dibromochloromethane	ND	60	40		ND	510	340	1200	1/4/23 10:08	CMR
1,2-Dibromoethane (EDB)	ND	60	36		ND	460	280	1200	1/4/23 10:08	CMR
1,2-Dichlorobenzene	ND	60	34		ND	360	210	1200	1/4/23 10:08	CMR
1,3-Dichlorobenzene	ND	60	33		ND	360	200	1200	1/4/23 10:08	CMR
1,4-Dichlorobenzene	ND	60	39		ND	360	240	1200	1/4/23 10:08	CMR
Dichlorodifluoromethane (Freon 12)	ND	60	59		ND	300	290	1200	1/4/23 10:08	CMR
1,1-Dichloroethane	ND	60	52		ND	240	210	1200	1/4/23 10:08	CMR
1,2-Dichloroethane	ND	60	54		ND	240	220	1200	1/4/23 10:08	CMR
1,1-Dichloroethylene	ND	60	46		ND	240	180	1200	1/4/23 10:08	CMR
cis-1,2-Dichloroethylene	28000	60	44		110000	240	170	1200	1/4/23 10:08	CMR
trans-1,2-Dichloroethylene	96	60	47		380	240	190	1200	1/4/23 10:08	CMR
1,2-Dichloropropane	ND	60	33		ND	280	150	1200	1/4/23 10:08	CMR
cis-1,3-Dichloropropene	ND	60	31		ND	270	140	1200	1/4/23 10:08	CMR
trans-1,3-Dichloropropene	ND	60	31		ND	270	140	1200	1/4/23 10:08	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	60	59		ND	420	410	1200	1/4/23 10:08	CMR
1,4-Dioxane	ND	600	50		ND	2200	180	1200	1/4/23 10:08	CMR
Ethanol	ND	2400	1100	L-03	ND	4500	2000	1200	1/4/23 10:08	CMR
Ethyl Acetate	ND	600	300		ND	2200	1100	1200	1/4/23 10:08	CMR
Ethylbenzene	ND	60	35		ND	260	150	1200	1/4/23 10:08	CMR
4-Ethyltoluene	88	60	37		430	290	180	1200	1/4/23 10:08	CMR
Heptane	390	60	38		1600	250	160	1200	1/4/23 10:08	CMR
Hexachlorobutadiene	ND	60	49		ND	640	530	1200	1/4/23 10:08	CMR
Hexane	1000	2400	310	J	3500	8500	1100	1200	1/4/23 10:08	CMR
2-Hexanone (MBK)	ND	60	30		ND	250	120	1200	1/4/23 10:08	CMR
Isopropanol	ND	2400	410		ND	5900	1000	1200	1/4/23 10:08	CMR
Methyl tert-Butyl Ether (MTBE)	ND	60	46		ND	220	170	1200	1/4/23 10:08	CMR
Methylene Chloride	ND	600	280		ND	2100	970	1200	1/4/23 10:08	CMR
4-Methyl-2-pentanone (MIBK)	ND	60	32		ND	250	130	1200	1/4/23 10:08	CMR
Naphthalene	ND	60	45		ND	310	240	1200	1/4/23 10:08	CMR
Propene	ND	2400	530		ND	4100	910	1200	1/4/23 10:08	CMR
Styrene	ND	60	32		ND	260	130	1200	1/4/23 10:08	CMR
1,1,2,2-Tetrachloroethane	ND	60	32		ND	410	220	1200	1/4/23 10:08	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-7
Sample ID: 22L3188-07
Sample Matrix: Soil Gas
Sampled: 12/19/2022 12:33

Sample Description/Location:
Sub Description/Location:
Canister ID: 2597
Canister Size: 3 liter
Flow Controller ID: 4355
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -22
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -1.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	300000	600	460		2000000	4100	3100	12000	1/5/23 9:24	CMR
Tetrahydrofuran	ND	600	99		ND	1800	290	1200	1/4/23 10:08	CMR
Toluene	44	60	34	J	170	230	130	1200	1/4/23 10:08	CMR
1,2,4-Trichlorobenzene	ND	60	56		ND	450	410	1200	1/4/23 10:08	CMR
1,1,1-Trichloroethane	ND	60	47		ND	330	260	1200	1/4/23 10:08	CMR
1,1,2-Trichloroethane	ND	60	42		ND	330	230	1200	1/4/23 10:08	CMR
Trichloroethylene	12000	60	40		63000	320	220	1200	1/4/23 10:08	CMR
Trichlorofluoromethane (Freon 11)	ND	240	71		ND	1300	400	1200	1/4/23 10:08	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	240	67		ND	1800	510	1200	1/4/23 10:08	CMR
1,2,4-Trimethylbenzene	400	60	27		1900	290	130	1200	1/4/23 10:08	CMR
1,3,5-Trimethylbenzene	440	60	32		2200	290	160	1200	1/4/23 10:08	CMR
Vinyl Acetate	ND	1200	320		ND	4200	1100	1200	1/4/23 10:08	CMR
Vinyl Chloride	77	60	54		200	150	140	1200	1/4/23 10:08	CMR
m&p-Xylene	ND	120	67		ND	520	290	1200	1/4/23 10:08	CMR
o-Xylene	73	60	31		320	260	130	1200	1/4/23 10:08	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	113	70-130	1/4/23 10:08
4-Bromofluorobenzene (1)	112	70-130	1/5/23 9:24

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-8
Sample ID: 22L3188-08
Sample Matrix: Soil Gas
Sampled: 12/19/2022 12:34

Sample Description/Location:
Sub Description/Location:
Canister ID: 2606
Canister Size: 3 liter
Flow Controller ID: 4320
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -2.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	600	360		ND	1400	860	300	1/4/23 0:17	CMR
Benzene	ND	15	11		ND	48	36	300	1/4/23 0:17	CMR
Benzyl chloride	ND	15	13		ND	78	68	300	1/4/23 0:17	CMR
Bromodichloromethane	ND	15	10		ND	100	70	300	1/4/23 0:17	CMR
Bromoform	ND	15	10		ND	160	110	300	1/4/23 0:17	CMR
Bromomethane	ND	15	10		ND	58	39	300	1/4/23 0:17	CMR
1,3-Butadiene	ND	15	13		ND	33	28	300	1/4/23 0:17	CMR
2-Butanone (MEK)	ND	600	160		ND	1800	470	300	1/4/23 0:17	CMR
Carbon Disulfide	ND	150	14		ND	470	43	300	1/4/23 0:17	CMR
Carbon Tetrachloride	ND	15	12		ND	94	75	300	1/4/23 0:17	CMR
Chlorobenzene	ND	15	10		ND	69	46	300	1/4/23 0:17	CMR
Chloroethane	ND	15	13		ND	40	35	300	1/4/23 0:17	CMR
Chloroform	ND	15	14		ND	73	70	300	1/4/23 0:17	CMR
Chloromethane	ND	30	12		ND	62	25	300	1/4/23 0:17	CMR
Cyclohexane	ND	15	9.1		ND	52	31	300	1/4/23 0:17	CMR
Dibromochloromethane	ND	15	9.9		ND	130	85	300	1/4/23 0:17	CMR
1,2-Dibromoethane (EDB)	ND	15	9.1		ND	120	70	300	1/4/23 0:17	CMR
1,2-Dichlorobenzene	ND	15	8.6		ND	90	52	300	1/4/23 0:17	CMR
1,3-Dichlorobenzene	ND	15	8.3		ND	90	50	300	1/4/23 0:17	CMR
1,4-Dichlorobenzene	ND	15	9.8		ND	90	59	300	1/4/23 0:17	CMR
Dichlorodifluoromethane (Freon 12)	ND	15	15		ND	74	72	300	1/4/23 0:17	CMR
1,1-Dichloroethane	ND	15	13		ND	61	53	300	1/4/23 0:17	CMR
1,2-Dichloroethane	ND	15	14		ND	61	55	300	1/4/23 0:17	CMR
1,1-Dichloroethylene	ND	15	11		ND	59	45	300	1/4/23 0:17	CMR
cis-1,2-Dichloroethylene	230	15	11		930	59	43	300	1/4/23 0:17	CMR
trans-1,2-Dichloroethylene	ND	15	12		ND	59	47	300	1/4/23 0:17	CMR
1,2-Dichloropropane	ND	15	8.1		ND	69	38	300	1/4/23 0:17	CMR
cis-1,3-Dichloropropene	ND	15	7.8		ND	68	35	300	1/4/23 0:17	CMR
trans-1,3-Dichloropropene	ND	15	7.7		ND	68	35	300	1/4/23 0:17	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	15	15		ND	100	100	300	1/4/23 0:17	CMR
1,4-Dioxane	ND	150	12		ND	540	45	300	1/4/23 0:17	CMR
Ethanol	ND	600	260		ND	1100	500	300	1/4/23 0:17	CMR
Ethyl Acetate	ND	150	76		ND	540	270	300	1/4/23 0:17	CMR
Ethylbenzene	ND	15	8.8		ND	65	38	300	1/4/23 0:17	CMR
4-Ethyltoluene	12	15	9.2	J	58	74	45	300	1/4/23 0:17	CMR
Heptane	ND	15	9.6		ND	61	39	300	1/4/23 0:17	CMR
Hexachlorobutadiene	ND	15	12		ND	160	130	300	1/4/23 0:17	CMR
Hexane	ND	600	78		ND	2100	280	300	1/4/23 0:17	CMR
2-Hexanone (MBK)	ND	15	7.5		ND	61	31	300	1/4/23 0:17	CMR
Isopropanol	ND	600	100		ND	1500	250	300	1/4/23 0:17	CMR
Methyl tert-Butyl Ether (MTBE)	ND	15	12		ND	54	42	300	1/4/23 0:17	CMR
Methylene Chloride	ND	150	70		ND	520	240	300	1/4/23 0:17	CMR
4-Methyl-2-pentanone (MIBK)	ND	15	8.0		ND	61	33	300	1/4/23 0:17	CMR
Naphthalene	ND	15	11		ND	79	59	300	1/4/23 0:17	CMR
Propene	ND	600	130		ND	1000	230	300	1/4/23 0:17	CMR
Styrene	ND	15	7.9		ND	64	34	300	1/4/23 0:17	CMR
1,1,2,2-Tetrachloroethane	ND	15	8.1		ND	100	56	300	1/4/23 0:17	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-8
Sample ID: 22L3188-08
Sample Matrix: Soil Gas
Sampled: 12/19/2022 12:34

Sample Description/Location:
Sub Description/Location:
Canister ID: 2606
Canister Size: 3 liter
Flow Controller ID: 4320
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -2.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	6800	15	11		46000	100	78	300	1/4/23 0:17	CMR
Tetrahydrofuran	ND	150	25		ND	440	73	300	1/4/23 0:17	CMR
Toluene	11	15	8.6	J	43	57	32	300	1/4/23 0:17	CMR
1,2,4-Trichlorobenzene	ND	15	14		ND	110	100	300	1/4/23 0:17	CMR
1,1,1-Trichloroethane	ND	15	12		ND	82	64	300	1/4/23 0:17	CMR
1,1,2-Trichloroethane	ND	15	11		ND	82	58	300	1/4/23 0:17	CMR
Trichloroethylene	310	15	10		1700	81	54	300	1/4/23 0:17	CMR
Trichlorofluoromethane (Freon 11)	ND	60	18		ND	340	100	300	1/4/23 0:17	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	60	17		ND	460	130	300	1/4/23 0:17	CMR
1,2,4-Trimethylbenzene	48	15	6.6		230	74	33	300	1/4/23 0:17	CMR
1,3,5-Trimethylbenzene	50	15	7.9		240	74	39	300	1/4/23 0:17	CMR
Vinyl Acetate	ND	300	81		ND	1100	280	300	1/4/23 0:17	CMR
Vinyl Chloride	ND	15	14		ND	38	35	300	1/4/23 0:17	CMR
m&p-Xylene	ND	30	17		ND	130	73	300	1/4/23 0:17	CMR
o-Xylene	ND	15	7.7		ND	65	33	300	1/4/23 0:17	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	112	70-130	1/4/23 0:17

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-9
Sample ID: 22L3188-09
Sample Matrix: Soil Gas
Sampled: 12/19/2022 12:57

Sample Description/Location:
Sub Description/Location:
Canister ID: 2438
Canister Size: 3 liter
Flow Controller ID: 4321
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -0.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	600	360		ND	1400	860	300	1/4/23 1:00	CMR
Benzene	ND	15	11		ND	48	36	300	1/4/23 1:00	CMR
Benzyl chloride	ND	15	13		ND	78	68	300	1/4/23 1:00	CMR
Bromodichloromethane	ND	15	10		ND	100	70	300	1/4/23 1:00	CMR
Bromoform	ND	15	10		ND	160	110	300	1/4/23 1:00	CMR
Bromomethane	ND	15	10		ND	58	39	300	1/4/23 1:00	CMR
1,3-Butadiene	ND	15	13		ND	33	28	300	1/4/23 1:00	CMR
2-Butanone (MEK)	ND	600	160		ND	1800	470	300	1/4/23 1:00	CMR
Carbon Disulfide	ND	150	14		ND	470	43	300	1/4/23 1:00	CMR
Carbon Tetrachloride	ND	15	12		ND	94	75	300	1/4/23 1:00	CMR
Chlorobenzene	ND	15	10		ND	69	46	300	1/4/23 1:00	CMR
Chloroethane	ND	15	13		ND	40	35	300	1/4/23 1:00	CMR
Chloroform	ND	15	14		ND	73	70	300	1/4/23 1:00	CMR
Chloromethane	ND	30	12		ND	62	25	300	1/4/23 1:00	CMR
Cyclohexane	ND	15	9.1		ND	52	31	300	1/4/23 1:00	CMR
Dibromochloromethane	ND	15	9.9		ND	130	85	300	1/4/23 1:00	CMR
1,2-Dibromoethane (EDB)	ND	15	9.1		ND	120	70	300	1/4/23 1:00	CMR
1,2-Dichlorobenzene	ND	15	8.6		ND	90	52	300	1/4/23 1:00	CMR
1,3-Dichlorobenzene	ND	15	8.3		ND	90	50	300	1/4/23 1:00	CMR
1,4-Dichlorobenzene	ND	15	9.8		ND	90	59	300	1/4/23 1:00	CMR
Dichlorodifluoromethane (Freon 12)	ND	15	15		ND	74	72	300	1/4/23 1:00	CMR
1,1-Dichloroethane	ND	15	13		ND	61	53	300	1/4/23 1:00	CMR
1,2-Dichloroethane	ND	15	14		ND	61	55	300	1/4/23 1:00	CMR
1,1-Dichloroethylene	ND	15	11		ND	59	45	300	1/4/23 1:00	CMR
cis-1,2-Dichloroethylene	430	15	11		1700	59	43	300	1/4/23 1:00	CMR
trans-1,2-Dichloroethylene	ND	15	12		ND	59	47	300	1/4/23 1:00	CMR
1,2-Dichloropropane	ND	15	8.1		ND	69	38	300	1/4/23 1:00	CMR
cis-1,3-Dichloropropene	ND	15	7.8		ND	68	35	300	1/4/23 1:00	CMR
trans-1,3-Dichloropropene	ND	15	7.7		ND	68	35	300	1/4/23 1:00	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	15	15		ND	100	100	300	1/4/23 1:00	CMR
1,4-Dioxane	ND	150	12		ND	540	45	300	1/4/23 1:00	CMR
Ethanol	ND	600	260		ND	1100	500	300	1/4/23 1:00	CMR
Ethyl Acetate	ND	150	76		ND	540	270	300	1/4/23 1:00	CMR
Ethylbenzene	ND	15	8.8		ND	65	38	300	1/4/23 1:00	CMR
4-Ethyltoluene	ND	15	9.2		ND	74	45	300	1/4/23 1:00	CMR
Heptane	ND	15	9.6		ND	61	39	300	1/4/23 1:00	CMR
Hexachlorobutadiene	ND	15	12		ND	160	130	300	1/4/23 1:00	CMR
Hexane	ND	600	78		ND	2100	280	300	1/4/23 1:00	CMR
2-Hexanone (MBK)	ND	15	7.5		ND	61	31	300	1/4/23 1:00	CMR
Isopropanol	ND	600	100		ND	1500	250	300	1/4/23 1:00	CMR
Methyl tert-Butyl Ether (MTBE)	ND	15	12		ND	54	42	300	1/4/23 1:00	CMR
Methylene Chloride	ND	150	70		ND	520	240	300	1/4/23 1:00	CMR
4-Methyl-2-pentanone (MIBK)	ND	15	8.0		ND	61	33	300	1/4/23 1:00	CMR
Naphthalene	ND	15	11		ND	79	59	300	1/4/23 1:00	CMR
Propene	ND	600	130		ND	1000	230	300	1/4/23 1:00	CMR
Styrene	ND	15	7.9		ND	64	34	300	1/4/23 1:00	CMR
1,1,2,2-Tetrachloroethane	ND	15	8.1		ND	100	56	300	1/4/23 1:00	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-9
Sample ID: 22L3188-09
Sample Matrix: Soil Gas
Sampled: 12/19/2022 12:57

Sample Description/Location:
Sub Description/Location:
Canister ID: 2438
Canister Size: 3 liter
Flow Controller ID: 4321
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -0.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	5300	15	11		36000	100	78	300	1/4/23 1:00	CMR
Tetrahydrofuran	ND	150	25		ND	440	73	300	1/4/23 1:00	CMR
Toluene	13	15	8.6	J	50	57	32	300	1/4/23 1:00	CMR
1,2,4-Trichlorobenzene	ND	15	14		ND	110	100	300	1/4/23 1:00	CMR
1,1,1-Trichloroethane	ND	15	12		ND	82	64	300	1/4/23 1:00	CMR
1,1,2-Trichloroethane	ND	15	11		ND	82	58	300	1/4/23 1:00	CMR
Trichloroethylene	160	15	10		880	81	54	300	1/4/23 1:00	CMR
Trichlorofluoromethane (Freon 11)	ND	60	18		ND	340	100	300	1/4/23 1:00	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	60	17		ND	460	130	300	1/4/23 1:00	CMR
1,2,4-Trimethylbenzene	26	15	6.6		130	74	33	300	1/4/23 1:00	CMR
1,3,5-Trimethylbenzene	26	15	7.9		130	74	39	300	1/4/23 1:00	CMR
Vinyl Acetate	ND	300	81		ND	1100	280	300	1/4/23 1:00	CMR
Vinyl Chloride	ND	15	14		ND	38	35	300	1/4/23 1:00	CMR
m&p-Xylene	ND	30	17		ND	130	73	300	1/4/23 1:00	CMR
o-Xylene	ND	15	7.7		ND	65	33	300	1/4/23 1:00	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	113	70-130	1/4/23 1:00

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-10
Sample ID: 22L3188-10
Sample Matrix: Soil Gas
Sampled: 12/19/2022 13:07

Sample Description/Location:
Sub Description/Location:
Canister ID: 2271
Canister Size: 3 liter
Flow Controller ID: 4329
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -2.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	1200	720		ND	2900	1700	600	1/4/23 8:05	CMR
Benzene	ND	30	23		ND	96	73	600	1/4/23 8:05	CMR
Benzyl chloride	ND	30	26		ND	160	140	600	1/4/23 8:05	CMR
Bromodichloromethane	ND	30	21		ND	200	140	600	1/4/23 8:05	CMR
Bromoform	ND	30	20		ND	310	210	600	1/4/23 8:05	CMR
Bromomethane	ND	30	20		ND	120	78	600	1/4/23 8:05	CMR
1,3-Butadiene	ND	30	25		ND	66	56	600	1/4/23 8:05	CMR
2-Butanone (MEK)	ND	1200	320		ND	3500	940	600	1/4/23 8:05	CMR
Carbon Disulfide	ND	300	28		ND	930	86	600	1/4/23 8:05	CMR
Carbon Tetrachloride	ND	30	24		ND	190	150	600	1/4/23 8:05	CMR
Chlorobenzene	ND	30	20		ND	140	92	600	1/4/23 8:05	CMR
Chloroethane	ND	30	27		ND	79	70	600	1/4/23 8:05	CMR
Chloroform	ND	30	28		ND	150	140	600	1/4/23 8:05	CMR
Chloromethane	ND	60	24		ND	120	49	600	1/4/23 8:05	CMR
Cyclohexane	23	30	18	J	78	100	62	600	1/4/23 8:05	CMR
Dibromochloromethane	ND	30	20		ND	260	170	600	1/4/23 8:05	CMR
1,2-Dibromoethane (EDB)	ND	30	18		ND	230	140	600	1/4/23 8:05	CMR
1,2-Dichlorobenzene	ND	30	17		ND	180	100	600	1/4/23 8:05	CMR
1,3-Dichlorobenzene	ND	30	17		ND	180	100	600	1/4/23 8:05	CMR
1,4-Dichlorobenzene	ND	30	20		ND	180	120	600	1/4/23 8:05	CMR
Dichlorodifluoromethane (Freon 12)	ND	30	29		ND	150	140	600	1/4/23 8:05	CMR
1,1-Dichloroethane	ND	30	26		ND	120	110	600	1/4/23 8:05	CMR
1,2-Dichloroethane	ND	30	27		ND	120	110	600	1/4/23 8:05	CMR
1,1-Dichloroethylene	ND	30	23		ND	120	91	600	1/4/23 8:05	CMR
cis-1,2-Dichloroethylene	770	30	22		3100	120	87	600	1/4/23 8:05	CMR
trans-1,2-Dichloroethylene	ND	30	24		ND	120	93	600	1/4/23 8:05	CMR
1,2-Dichloropropane	ND	30	16		ND	140	75	600	1/4/23 8:05	CMR
cis-1,3-Dichloropropene	ND	30	16		ND	140	71	600	1/4/23 8:05	CMR
trans-1,3-Dichloropropene	ND	30	15		ND	140	70	600	1/4/23 8:05	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	30	30		ND	210	210	600	1/4/23 8:05	CMR
1,4-Dioxane	ND	300	25		ND	1100	90	600	1/4/23 8:05	CMR
Ethanol	ND	1200	530	L-03	ND	2300	1000	600	1/4/23 8:05	CMR
Ethyl Acetate	ND	300	150		ND	1100	550	600	1/4/23 8:05	CMR
Ethylbenzene	ND	30	18		ND	130	76	600	1/4/23 8:05	CMR
4-Ethyltoluene	61	30	18		300	150	91	600	1/4/23 8:05	CMR
Heptane	ND	30	19		ND	120	79	600	1/4/23 8:05	CMR
Hexachlorobutadiene	ND	30	25		ND	320	260	600	1/4/23 8:05	CMR
Hexane	ND	1200	160		ND	4200	550	600	1/4/23 8:05	CMR
2-Hexanone (MBK)	ND	30	15		ND	120	61	600	1/4/23 8:05	CMR
Isopropanol	ND	1200	210		ND	2900	510	600	1/4/23 8:05	CMR
Methyl tert-Butyl Ether (MTBE)	ND	30	23		ND	110	84	600	1/4/23 8:05	CMR
Methylene Chloride	ND	300	140		ND	1000	480	600	1/4/23 8:05	CMR
4-Methyl-2-pentanone (MIBK)	ND	30	16		ND	120	66	600	1/4/23 8:05	CMR
Naphthalene	ND	30	23		ND	160	120	600	1/4/23 8:05	CMR
Propene	ND	1200	260		ND	2100	450	600	1/4/23 8:05	CMR
Styrene	ND	30	16		ND	130	67	600	1/4/23 8:05	CMR
1,1,2,2-Tetrachloroethane	ND	30	16		ND	210	110	600	1/4/23 8:05	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-10
Sample ID: 22L3188-10
Sample Matrix: Soil Gas
Sampled: 12/19/2022 13:07

Sample Description/Location:
Sub Description/Location:
Canister ID: 2271
Canister Size: 3 liter
Flow Controller ID: 4329
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -2.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	65000	150	110		440000	1000	780	3000	1/5/23 7:24	CMR
Tetrahydrofuran	ND	300	49		ND	880	150	600	1/4/23 8:05	CMR
Toluene	ND	30	17		ND	110	65	600	1/4/23 8:05	CMR
1,2,4-Trichlorobenzene	ND	30	28		ND	220	210	600	1/4/23 8:05	CMR
1,1,1-Trichloroethane	ND	30	24		ND	160	130	600	1/4/23 8:05	CMR
1,1,2-Trichloroethane	ND	30	21		ND	160	120	600	1/4/23 8:05	CMR
Trichloroethylene	720	30	20		3900	160	110	600	1/4/23 8:05	CMR
Trichlorofluoromethane (Freon 11)	ND	120	35		ND	670	200	600	1/4/23 8:05	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	120	33		ND	920	260	600	1/4/23 8:05	CMR
1,2,4-Trimethylbenzene	270	30	13		1300	150	65	600	1/4/23 8:05	CMR
1,3,5-Trimethylbenzene	290	30	16		1400	150	78	600	1/4/23 8:05	CMR
Vinyl Acetate	ND	600	160		ND	2100	570	600	1/4/23 8:05	CMR
Vinyl Chloride	ND	30	27		ND	77	69	600	1/4/23 8:05	CMR
m&p-Xylene	ND	60	34		ND	260	150	600	1/4/23 8:05	CMR
o-Xylene	32	30	15		140	130	67	600	1/4/23 8:05	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	112	70-130	1/5/23 7:24
4-Bromofluorobenzene (1)	114	70-130	1/4/23 8:05

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-11
Sample ID: 22L3188-11
Sample Matrix: Soil Gas
Sampled: 12/19/2022 13:08

Sample Description/Location:
Sub Description/Location:
Canister ID: 2355
Canister Size: 3 liter
Flow Controller ID: 4121
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -23
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -0.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	1200	720		ND	2900	1700	600	1/4/23 8:46	CMR
Benzene	ND	30	23		ND	96	73	600	1/4/23 8:46	CMR
Benzyl chloride	ND	30	26		ND	160	140	600	1/4/23 8:46	CMR
Bromodichloromethane	ND	30	21		ND	200	140	600	1/4/23 8:46	CMR
Bromoform	ND	30	20		ND	310	210	600	1/4/23 8:46	CMR
Bromomethane	ND	30	20		ND	120	78	600	1/4/23 8:46	CMR
1,3-Butadiene	ND	30	25		ND	66	56	600	1/4/23 8:46	CMR
2-Butanone (MEK)	ND	1200	320		ND	3500	940	600	1/4/23 8:46	CMR
Carbon Disulfide	ND	300	28		ND	930	86	600	1/4/23 8:46	CMR
Carbon Tetrachloride	ND	30	24		ND	190	150	600	1/4/23 8:46	CMR
Chlorobenzene	ND	30	20		ND	140	92	600	1/4/23 8:46	CMR
Chloroethane	ND	30	27		ND	79	70	600	1/4/23 8:46	CMR
Chloroform	ND	30	28		ND	150	140	600	1/4/23 8:46	CMR
Chloromethane	ND	60	24		ND	120	49	600	1/4/23 8:46	CMR
Cyclohexane	1300	30	18		4500	100	62	600	1/4/23 8:46	CMR
Dibromochloromethane	ND	30	20		ND	260	170	600	1/4/23 8:46	CMR
1,2-Dibromoethane (EDB)	ND	30	18		ND	230	140	600	1/4/23 8:46	CMR
1,2-Dichlorobenzene	ND	30	17		ND	180	100	600	1/4/23 8:46	CMR
1,3-Dichlorobenzene	ND	30	17		ND	180	100	600	1/4/23 8:46	CMR
1,4-Dichlorobenzene	ND	30	20		ND	180	120	600	1/4/23 8:46	CMR
Dichlorodifluoromethane (Freon 12)	ND	30	29		ND	150	140	600	1/4/23 8:46	CMR
1,1-Dichloroethane	ND	30	26		ND	120	110	600	1/4/23 8:46	CMR
1,2-Dichloroethane	ND	30	27		ND	120	110	600	1/4/23 8:46	CMR
1,1-Dichloroethylene	57	30	23		230	120	91	600	1/4/23 8:46	CMR
cis-1,2-Dichloroethylene	13000	30	22		50000	120	87	600	1/4/23 8:46	CMR
trans-1,2-Dichloroethylene	ND	30	24		ND	120	93	600	1/4/23 8:46	CMR
1,2-Dichloropropane	ND	30	16		ND	140	75	600	1/4/23 8:46	CMR
cis-1,3-Dichloropropene	ND	30	16		ND	140	71	600	1/4/23 8:46	CMR
trans-1,3-Dichloropropene	ND	30	15		ND	140	70	600	1/4/23 8:46	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	30	30		ND	210	210	600	1/4/23 8:46	CMR
1,4-Dioxane	ND	300	25		ND	1100	90	600	1/4/23 8:46	CMR
Ethanol	ND	1200	530	L-03	ND	2300	1000	600	1/4/23 8:46	CMR
Ethyl Acetate	ND	300	150		ND	1100	550	600	1/4/23 8:46	CMR
Ethylbenzene	ND	30	18		ND	130	76	600	1/4/23 8:46	CMR
4-Ethyltoluene	23	30	18	J	120	150	91	600	1/4/23 8:46	CMR
Heptane	710	30	19		2900	120	79	600	1/4/23 8:46	CMR
Hexachlorobutadiene	ND	30	25		ND	320	260	600	1/4/23 8:46	CMR
Hexane	1100	1200	160	J	3800	4200	550	600	1/4/23 8:46	CMR
2-Hexanone (MBK)	ND	30	15		ND	120	61	600	1/4/23 8:46	CMR
Isopropanol	ND	1200	210		ND	2900	510	600	1/4/23 8:46	CMR
Methyl tert-Butyl Ether (MTBE)	ND	30	23		ND	110	84	600	1/4/23 8:46	CMR
Methylene Chloride	ND	300	140		ND	1000	480	600	1/4/23 8:46	CMR
4-Methyl-2-pentanone (MIBK)	ND	30	16		ND	120	66	600	1/4/23 8:46	CMR
Naphthalene	ND	30	23		ND	160	120	600	1/4/23 8:46	CMR
Propene	ND	1200	260		ND	2100	450	600	1/4/23 8:46	CMR
Styrene	ND	30	16		ND	130	67	600	1/4/23 8:46	CMR
1,1,2,2-Tetrachloroethane	ND	30	16		ND	210	110	600	1/4/23 8:46	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-11
Sample ID: 22L3188-11
Sample Matrix: Soil Gas
Sampled: 12/19/2022 13:08

Sample Description/Location:
Sub Description/Location:
Canister ID: 2355
Canister Size: 3 liter
Flow Controller ID: 4121
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -23
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -0.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	43000	150	110		290000	1000	780	3000	1/5/23 8:04	CMR
Tetrahydrofuran	ND	300	49		ND	880	150	600	1/4/23 8:46	CMR
Toluene	ND	30	17		ND	110	65	600	1/4/23 8:46	CMR
1,2,4-Trichlorobenzene	ND	30	28		ND	220	210	600	1/4/23 8:46	CMR
1,1,1-Trichloroethane	ND	30	24		ND	160	130	600	1/4/23 8:46	CMR
1,1,2-Trichloroethane	ND	30	21		ND	160	120	600	1/4/23 8:46	CMR
Trichloroethylene	3300	30	20		18000	160	110	600	1/4/23 8:46	CMR
Trichlorofluoromethane (Freon 11)	ND	120	35		ND	670	200	600	1/4/23 8:46	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	120	33		ND	920	260	600	1/4/23 8:46	CMR
1,2,4-Trimethylbenzene	110	30	13		540	150	65	600	1/4/23 8:46	CMR
1,3,5-Trimethylbenzene	100	30	16		510	150	78	600	1/4/23 8:46	CMR
Vinyl Acetate	ND	600	160		ND	2100	570	600	1/4/23 8:46	CMR
Vinyl Chloride	170	30	27		430	77	69	600	1/4/23 8:46	CMR
m&p-Xylene	46	60	34	J	200	260	150	600	1/4/23 8:46	CMR
o-Xylene	ND	30	15		ND	130	67	600	1/4/23 8:46	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	1/4/23 8:46
4-Bromofluorobenzene (1)	113	70-130	1/5/23 8:04

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-12
Sample ID: 22L3188-12
Sample Matrix: Soil Gas
Sampled: 12/19/2022 13:14

Sample Description/Location:
Sub Description/Location:
Canister ID: 2587
Canister Size: 3 liter
Flow Controller ID: 4337
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -2.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	1200	720		ND	2900	1700	600	1/4/23 9:28	CMR
Benzene	ND	30	23		ND	96	73	600	1/4/23 9:28	CMR
Benzyl chloride	ND	30	26		ND	160	140	600	1/4/23 9:28	CMR
Bromodichloromethane	ND	30	21		ND	200	140	600	1/4/23 9:28	CMR
Bromoform	ND	30	20		ND	310	210	600	1/4/23 9:28	CMR
Bromomethane	ND	30	20		ND	120	78	600	1/4/23 9:28	CMR
1,3-Butadiene	ND	30	25		ND	66	56	600	1/4/23 9:28	CMR
2-Butanone (MEK)	ND	1200	320		ND	3500	940	600	1/4/23 9:28	CMR
Carbon Disulfide	ND	300	28		ND	930	86	600	1/4/23 9:28	CMR
Carbon Tetrachloride	ND	30	24		ND	190	150	600	1/4/23 9:28	CMR
Chlorobenzene	ND	30	20		ND	140	92	600	1/4/23 9:28	CMR
Chloroethane	ND	30	27		ND	79	70	600	1/4/23 9:28	CMR
Chloroform	ND	30	28		ND	150	140	600	1/4/23 9:28	CMR
Chloromethane	ND	60	24		ND	120	49	600	1/4/23 9:28	CMR
Cyclohexane	580	30	18		2000	100	62	600	1/4/23 9:28	CMR
Dibromochloromethane	ND	30	20		ND	260	170	600	1/4/23 9:28	CMR
1,2-Dibromoethane (EDB)	ND	30	18		ND	230	140	600	1/4/23 9:28	CMR
1,2-Dichlorobenzene	ND	30	17		ND	180	100	600	1/4/23 9:28	CMR
1,3-Dichlorobenzene	ND	30	17		ND	180	100	600	1/4/23 9:28	CMR
1,4-Dichlorobenzene	ND	30	20		ND	180	120	600	1/4/23 9:28	CMR
Dichlorodifluoromethane (Freon 12)	ND	30	29		ND	150	140	600	1/4/23 9:28	CMR
1,1-Dichloroethane	ND	30	26		ND	120	110	600	1/4/23 9:28	CMR
1,2-Dichloroethane	ND	30	27		ND	120	110	600	1/4/23 9:28	CMR
1,1-Dichloroethylene	ND	30	23		ND	120	91	600	1/4/23 9:28	CMR
cis-1,2-Dichloroethylene	1300	30	22		5200	120	87	600	1/4/23 9:28	CMR
trans-1,2-Dichloroethylene	ND	30	24		ND	120	93	600	1/4/23 9:28	CMR
1,2-Dichloropropane	ND	30	16		ND	140	75	600	1/4/23 9:28	CMR
cis-1,3-Dichloropropene	ND	30	16		ND	140	71	600	1/4/23 9:28	CMR
trans-1,3-Dichloropropene	ND	30	15		ND	140	70	600	1/4/23 9:28	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	30	30		ND	210	210	600	1/4/23 9:28	CMR
1,4-Dioxane	ND	300	25		ND	1100	90	600	1/4/23 9:28	CMR
Ethanol	ND	1200	530	L-03	ND	2300	1000	600	1/4/23 9:28	CMR
Ethyl Acetate	ND	300	150		ND	1100	550	600	1/4/23 9:28	CMR
Ethylbenzene	ND	30	18		ND	130	76	600	1/4/23 9:28	CMR
4-Ethyltoluene	ND	30	18		ND	150	91	600	1/4/23 9:28	CMR
Heptane	140	30	19		590	120	79	600	1/4/23 9:28	CMR
Hexachlorobutadiene	ND	30	25		ND	320	260	600	1/4/23 9:28	CMR
Hexane	270	1200	160	J	940	4200	550	600	1/4/23 9:28	CMR
2-Hexanone (MBK)	ND	30	15		ND	120	61	600	1/4/23 9:28	CMR
Isopropanol	ND	1200	210		ND	2900	510	600	1/4/23 9:28	CMR
Methyl tert-Butyl Ether (MTBE)	ND	30	23		ND	110	84	600	1/4/23 9:28	CMR
Methylene Chloride	ND	300	140		ND	1000	480	600	1/4/23 9:28	CMR
4-Methyl-2-pentanone (MIBK)	ND	30	16		ND	120	66	600	1/4/23 9:28	CMR
Naphthalene	ND	30	23		ND	160	120	600	1/4/23 9:28	CMR
Propene	ND	1200	260		ND	2100	450	600	1/4/23 9:28	CMR
Styrene	ND	30	16		ND	130	67	600	1/4/23 9:28	CMR
1,1,2,2-Tetrachloroethane	ND	30	16		ND	210	110	600	1/4/23 9:28	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-12
Sample ID: 22L3188-12
Sample Matrix: Soil Gas
Sampled: 12/19/2022 13:14

Sample Description/Location:
Sub Description/Location:
Canister ID: 2587
Canister Size: 3 liter
Flow Controller ID: 4337
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -2.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	130000	150	110		850000	1000	780	3000	1/5/23 8:44	CMR
Tetrahydrofuran	ND	300	49		ND	880	150	600	1/4/23 9:28	CMR
Toluene	ND	30	17		ND	110	65	600	1/4/23 9:28	CMR
1,2,4-Trichlorobenzene	ND	30	28		ND	220	210	600	1/4/23 9:28	CMR
1,1,1-Trichloroethane	ND	30	24		ND	160	130	600	1/4/23 9:28	CMR
1,1,2-Trichloroethane	ND	30	21		ND	160	120	600	1/4/23 9:28	CMR
Trichloroethylene	1000	30	20		5400	160	110	600	1/4/23 9:28	CMR
Trichlorofluoromethane (Freon 11)	ND	120	35		ND	670	200	600	1/4/23 9:28	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	120	33		ND	920	260	600	1/4/23 9:28	CMR
1,2,4-Trimethylbenzene	22	30	13	J	110	150	65	600	1/4/23 9:28	CMR
1,3,5-Trimethylbenzene	30	30	16		150	150	78	600	1/4/23 9:28	CMR
Vinyl Acetate	ND	600	160		ND	2100	570	600	1/4/23 9:28	CMR
Vinyl Chloride	ND	30	27		ND	77	69	600	1/4/23 9:28	CMR
m&p-Xylene	ND	60	34		ND	260	150	600	1/4/23 9:28	CMR
o-Xylene	ND	30	15		ND	130	67	600	1/4/23 9:28	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	1/5/23 8:44
4-Bromofluorobenzene (1)	113	70-130	1/4/23 9:28

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-13
Sample ID: 22L3188-13
Sample Matrix: Soil Gas
Sampled: 12/19/2022 13:29

Sample Description/Location:
Sub Description/Location:
Canister ID: 2738
Canister Size: 3 liter
Flow Controller ID: 4132
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -2.0
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	80	48		ND	190	110	40	1/3/23 21:37	CMR
Benzene	3.3	2.0	1.5		11	6.4	4.8	40	1/3/23 21:37	CMR
Benzyl chloride	ND	2.0	1.8		ND	10	9.1	40	1/3/23 21:37	CMR
Bromodichloromethane	ND	2.0	1.4		ND	13	9.4	40	1/3/23 21:37	CMR
Bromoform	ND	2.0	1.4		ND	21	14	40	1/3/23 21:37	CMR
Bromomethane	ND	2.0	1.3		ND	7.8	5.2	40	1/3/23 21:37	CMR
1,3-Butadiene	ND	2.0	1.7		ND	4.4	3.7	40	1/3/23 21:37	CMR
2-Butanone (MEK)	ND	80	21		ND	240	63	40	1/3/23 21:37	CMR
Carbon Disulfide	ND	20	1.8		ND	62	5.8	40	1/3/23 21:37	CMR
Carbon Tetrachloride	ND	2.0	1.6		ND	13	10	40	1/3/23 21:37	CMR
Chlorobenzene	ND	2.0	1.3		ND	9.2	6.1	40	1/3/23 21:37	CMR
Chloroethane	ND	2.0	1.8		ND	5.3	4.7	40	1/3/23 21:37	CMR
Chloroform	ND	2.0	1.9		ND	9.8	9.3	40	1/3/23 21:37	CMR
Chloromethane	ND	4.0	1.6		ND	8.3	3.3	40	1/3/23 21:37	CMR
Cyclohexane	860	2.0	1.2		3000	6.9	4.2	40	1/3/23 21:37	CMR
Dibromochloromethane	ND	2.0	1.3		ND	17	11	40	1/3/23 21:37	CMR
1,2-Dibromoethane (EDB)	ND	2.0	1.2		ND	15	9.3	40	1/3/23 21:37	CMR
1,2-Dichlorobenzene	ND	2.0	1.1		ND	12	6.9	40	1/3/23 21:37	CMR
1,3-Dichlorobenzene	ND	2.0	1.1		ND	12	6.7	40	1/3/23 21:37	CMR
1,4-Dichlorobenzene	ND	2.0	1.3		ND	12	7.9	40	1/3/23 21:37	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0	2.0		ND	9.9	9.7	40	1/3/23 21:37	CMR
1,1-Dichloroethane	ND	2.0	1.7		ND	8.1	7.1	40	1/3/23 21:37	CMR
1,2-Dichloroethane	5.2	2.0	1.8		21	8.1	7.3	40	1/3/23 21:37	CMR
1,1-Dichloroethylene	5.1	2.0	1.5		20	7.9	6.0	40	1/3/23 21:37	CMR
cis-1,2-Dichloroethylene	1700	2.0	1.5		6600	7.9	5.8	40	1/3/23 21:37	CMR
trans-1,2-Dichloroethylene	4.5	2.0	1.6		18	7.9	6.2	40	1/3/23 21:37	CMR
1,2-Dichloropropane	ND	2.0	1.1		ND	9.2	5.0	40	1/3/23 21:37	CMR
cis-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.7	40	1/3/23 21:37	CMR
trans-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.6	40	1/3/23 21:37	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	2.0		ND	14	14	40	1/3/23 21:37	CMR
1,4-Dioxane	ND	20	1.7		ND	72	6.0	40	1/3/23 21:37	CMR
Ethanol	ND	80	35		ND	150	66	40	1/3/23 21:37	CMR
Ethyl Acetate	ND	20	10		ND	72	36	40	1/3/23 21:37	CMR
Ethylbenzene	1.6	2.0	1.2	J	6.9	8.7	5.1	40	1/3/23 21:37	CMR
4-Ethyltoluene	3.4	2.0	1.2		17	9.8	6.0	40	1/3/23 21:37	CMR
Heptane	490	2.0	1.3		2000	8.2	5.2	40	1/3/23 21:37	CMR
Hexachlorobutadiene	ND	2.0	1.6		ND	21	18	40	1/3/23 21:37	CMR
Hexane	790	80	10		2800	280	37	40	1/3/23 21:37	CMR
2-Hexanone (MBK)	ND	2.0	1.0		ND	8.2	4.1	40	1/3/23 21:37	CMR
Isopropanol	ND	80	14		ND	200	34	40	1/3/23 21:37	CMR
Methyl tert-Butyl Ether (MTBE)	ND	2.0	1.5		ND	7.2	5.6	40	1/3/23 21:37	CMR
Methylene Chloride	ND	20	9.3		ND	69	32	40	1/3/23 21:37	CMR
4-Methyl-2-pentanone (MIBK)	ND	2.0	1.1		ND	8.2	4.4	40	1/3/23 21:37	CMR
Naphthalene	ND	2.0	1.5		ND	10	7.9	40	1/3/23 21:37	CMR
Propene	ND	80	18		ND	140	30	40	1/3/23 21:37	CMR
Styrene	ND	2.0	1.1		ND	8.5	4.5	40	1/3/23 21:37	CMR
1,1,2,2-Tetrachloroethane	ND	2.0	1.1		ND	14	7.4	40	1/3/23 21:37	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-13
Sample ID: 22L3188-13
Sample Matrix: Soil Gas
Sampled: 12/19/2022 13:29

Sample Description/Location:
Sub Description/Location:
Canister ID: 2738
Canister Size: 3 liter
Flow Controller ID: 4132
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -2.0
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	1900	2.0	1.5		13000	14	10	40	1/3/23 21:37	CMR
Tetrahydrofuran	15	20	3.3	J	45	59	9.7	40	1/3/23 21:37	CMR
Toluene	3.5	2.0	1.1		13	7.5	4.3	40	1/3/23 21:37	CMR
1,2,4-Trichlorobenzene	ND	2.0	1.9		ND	15	14	40	1/3/23 21:37	CMR
1,1,1-Trichloroethane	ND	2.0	1.6		ND	11	8.6	40	1/3/23 21:37	CMR
1,1,2-Trichloroethane	ND	2.0	1.4		ND	11	7.7	40	1/3/23 21:37	CMR
Trichloroethylene	140	2.0	1.3		770	11	7.2	40	1/3/23 21:37	CMR
Trichlorofluoromethane (Freon 11)	ND	8.0	2.4		ND	45	13	40	1/3/23 21:37	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	8.0	2.2		ND	61	17	40	1/3/23 21:37	CMR
1,2,4-Trimethylbenzene	12	2.0	0.88		59	9.8	4.3	40	1/3/23 21:37	CMR
1,3,5-Trimethylbenzene	35	2.0	1.1		170	9.8	5.2	40	1/3/23 21:37	CMR
Vinyl Acetate	ND	40	11		ND	140	38	40	1/3/23 21:37	CMR
Vinyl Chloride	ND	2.0	1.8		ND	5.1	4.6	40	1/3/23 21:37	CMR
m&p-Xylene	5.6	4.0	2.2		24	17	9.7	40	1/3/23 21:37	CMR
o-Xylene	3.3	2.0	1.0		14	8.7	4.4	40	1/3/23 21:37	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	112	70-130	1/3/23 21:37

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-14
Sample ID: 22L3188-14
Sample Matrix: Soil Gas
Sampled: 12/19/2022 14:13

Sample Description/Location:
Sub Description/Location:
Canister ID: 2287
Canister Size: 3 liter
Flow Controller ID: 4117
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -2.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	600	360		ND	1400	860	300	1/4/23 1:43	CMR
Benzene	ND	15	11		ND	48	36	300	1/4/23 1:43	CMR
Benzyl chloride	ND	15	13		ND	78	68	300	1/4/23 1:43	CMR
Bromodichloromethane	ND	15	10		ND	100	70	300	1/4/23 1:43	CMR
Bromoform	ND	15	10		ND	160	110	300	1/4/23 1:43	CMR
Bromomethane	ND	15	10		ND	58	39	300	1/4/23 1:43	CMR
1,3-Butadiene	ND	15	13		ND	33	28	300	1/4/23 1:43	CMR
2-Butanone (MEK)	ND	600	160		ND	1800	470	300	1/4/23 1:43	CMR
Carbon Disulfide	38	150	14	J	120	470	43	300	1/4/23 1:43	CMR
Carbon Tetrachloride	ND	15	12		ND	94	75	300	1/4/23 1:43	CMR
Chlorobenzene	ND	15	10		ND	69	46	300	1/4/23 1:43	CMR
Chloroethane	ND	15	13		ND	40	35	300	1/4/23 1:43	CMR
Chloroform	ND	15	14		ND	73	70	300	1/4/23 1:43	CMR
Chloromethane	ND	30	12		ND	62	25	300	1/4/23 1:43	CMR
Cyclohexane	1300	15	9.1		4400	52	31	300	1/4/23 1:43	CMR
Dibromochloromethane	ND	15	9.9		ND	130	85	300	1/4/23 1:43	CMR
1,2-Dibromoethane (EDB)	ND	15	9.1		ND	120	70	300	1/4/23 1:43	CMR
1,2-Dichlorobenzene	ND	15	8.6		ND	90	52	300	1/4/23 1:43	CMR
1,3-Dichlorobenzene	ND	15	8.3		ND	90	50	300	1/4/23 1:43	CMR
1,4-Dichlorobenzene	ND	15	9.8		ND	90	59	300	1/4/23 1:43	CMR
Dichlorodifluoromethane (Freon 12)	ND	15	15		ND	74	72	300	1/4/23 1:43	CMR
1,1-Dichloroethane	ND	15	13		ND	61	53	300	1/4/23 1:43	CMR
1,2-Dichloroethane	16	15	14		64	61	55	300	1/4/23 1:43	CMR
1,1-Dichloroethylene	12	15	11	J	49	59	45	300	1/4/23 1:43	CMR
cis-1,2-Dichloroethylene	2300	15	11		9200	59	43	300	1/4/23 1:43	CMR
trans-1,2-Dichloroethylene	ND	15	12		ND	59	47	300	1/4/23 1:43	CMR
1,2-Dichloropropane	ND	15	8.1		ND	69	38	300	1/4/23 1:43	CMR
cis-1,3-Dichloropropene	ND	15	7.8		ND	68	35	300	1/4/23 1:43	CMR
trans-1,3-Dichloropropene	ND	15	7.7		ND	68	35	300	1/4/23 1:43	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	15	15		ND	100	100	300	1/4/23 1:43	CMR
1,4-Dioxane	ND	150	12		ND	540	45	300	1/4/23 1:43	CMR
Ethanol	ND	600	260		ND	1100	500	300	1/4/23 1:43	CMR
Ethyl Acetate	ND	150	76		ND	540	270	300	1/4/23 1:43	CMR
Ethylbenzene	ND	15	8.8		ND	65	38	300	1/4/23 1:43	CMR
4-Ethyltoluene	30	15	9.2		150	74	45	300	1/4/23 1:43	CMR
Heptane	770	15	9.6		3200	61	39	300	1/4/23 1:43	CMR
Hexachlorobutadiene	ND	15	12		ND	160	130	300	1/4/23 1:43	CMR
Hexane	2400	600	78		8500	2100	280	300	1/4/23 1:43	CMR
2-Hexanone (MBK)	ND	15	7.5		ND	61	31	300	1/4/23 1:43	CMR
Isopropanol	ND	600	100		ND	1500	250	300	1/4/23 1:43	CMR
Methyl tert-Butyl Ether (MTBE)	ND	15	12		ND	54	42	300	1/4/23 1:43	CMR
Methylene Chloride	ND	150	70		ND	520	240	300	1/4/23 1:43	CMR
4-Methyl-2-pentanone (MIBK)	ND	15	8.0		ND	61	33	300	1/4/23 1:43	CMR
Naphthalene	ND	15	11		ND	79	59	300	1/4/23 1:43	CMR
Propene	ND	600	130		ND	1000	230	300	1/4/23 1:43	CMR
Styrene	ND	15	7.9		ND	64	34	300	1/4/23 1:43	CMR
1,1,2,2-Tetrachloroethane	ND	15	8.1		ND	100	56	300	1/4/23 1:43	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-14
Sample ID: 22L3188-14
Sample Matrix: Soil Gas
Sampled: 12/19/2022 14:13

Sample Description/Location:
Sub Description/Location:
Canister ID: 2287
Canister Size: 3 liter
Flow Controller ID: 4117
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -2.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	41000	60	46		280000	410	310	1200	1/5/23 6:03	CMR
Tetrahydrofuran	ND	150	25		ND	440	73	300	1/4/23 1:43	CMR
Toluene	ND	15	8.6		ND	57	32	300	1/4/23 1:43	CMR
1,2,4-Trichlorobenzene	ND	15	14		ND	110	100	300	1/4/23 1:43	CMR
1,1,1-Trichloroethane	ND	15	12		ND	82	64	300	1/4/23 1:43	CMR
1,1,2-Trichloroethane	ND	15	11		ND	82	58	300	1/4/23 1:43	CMR
Trichloroethylene	1600	15	10		8300	81	54	300	1/4/23 1:43	CMR
Trichlorofluoromethane (Freon 11)	ND	60	18		ND	340	100	300	1/4/23 1:43	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	60	17		ND	460	130	300	1/4/23 1:43	CMR
1,2,4-Trimethylbenzene	150	15	6.6		730	74	33	300	1/4/23 1:43	CMR
1,3,5-Trimethylbenzene	140	15	7.9		710	74	39	300	1/4/23 1:43	CMR
Vinyl Acetate	ND	300	81		ND	1100	280	300	1/4/23 1:43	CMR
Vinyl Chloride	ND	15	14		ND	38	35	300	1/4/23 1:43	CMR
m&p-Xylene	23	30	17	J	99	130	73	300	1/4/23 1:43	CMR
o-Xylene	20	15	7.7		85	65	33	300	1/4/23 1:43	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	116	70-130	1/4/23 1:43
4-Bromofluorobenzene (1)	113	70-130	1/5/23 6:03

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-15
Sample ID: 22L3188-15
Sample Matrix: Soil Gas
Sampled: 12/19/2022 13:35

Sample Description/Location:
Sub Description/Location:
Canister ID: 2721
Canister Size: 3 liter
Flow Controller ID: 4141
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -2.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	600	360		ND	1400	860	300	1/4/23 2:26	CMR
Benzene	ND	15	11		ND	48	36	300	1/4/23 2:26	CMR
Benzyl chloride	ND	15	13		ND	78	68	300	1/4/23 2:26	CMR
Bromodichloromethane	ND	15	10		ND	100	70	300	1/4/23 2:26	CMR
Bromoform	ND	15	10		ND	160	110	300	1/4/23 2:26	CMR
Bromomethane	ND	15	10		ND	58	39	300	1/4/23 2:26	CMR
1,3-Butadiene	ND	15	13		ND	33	28	300	1/4/23 2:26	CMR
2-Butanone (MEK)	ND	600	160		ND	1800	470	300	1/4/23 2:26	CMR
Carbon Disulfide	ND	150	14		ND	470	43	300	1/4/23 2:26	CMR
Carbon Tetrachloride	ND	15	12		ND	94	75	300	1/4/23 2:26	CMR
Chlorobenzene	ND	15	10		ND	69	46	300	1/4/23 2:26	CMR
Chloroethane	ND	15	13		ND	40	35	300	1/4/23 2:26	CMR
Chloroform	ND	15	14		ND	73	70	300	1/4/23 2:26	CMR
Chloromethane	ND	30	12		ND	62	25	300	1/4/23 2:26	CMR
Cyclohexane	130	15	9.1		450	52	31	300	1/4/23 2:26	CMR
Dibromochloromethane	ND	15	9.9		ND	130	85	300	1/4/23 2:26	CMR
1,2-Dibromoethane (EDB)	ND	15	9.1		ND	120	70	300	1/4/23 2:26	CMR
1,2-Dichlorobenzene	ND	15	8.6		ND	90	52	300	1/4/23 2:26	CMR
1,3-Dichlorobenzene	ND	15	8.3		ND	90	50	300	1/4/23 2:26	CMR
1,4-Dichlorobenzene	ND	15	9.8		ND	90	59	300	1/4/23 2:26	CMR
Dichlorodifluoromethane (Freon 12)	ND	15	15		ND	74	72	300	1/4/23 2:26	CMR
1,1-Dichloroethane	ND	15	13		ND	61	53	300	1/4/23 2:26	CMR
1,2-Dichloroethane	ND	15	14		ND	61	55	300	1/4/23 2:26	CMR
1,1-Dichloroethylene	17	15	11		68	59	45	300	1/4/23 2:26	CMR
cis-1,2-Dichloroethylene	4300	15	11		17000	59	43	300	1/4/23 2:26	CMR
trans-1,2-Dichloroethylene	ND	15	12		ND	59	47	300	1/4/23 2:26	CMR
1,2-Dichloropropane	ND	15	8.1		ND	69	38	300	1/4/23 2:26	CMR
cis-1,3-Dichloropropene	ND	15	7.8		ND	68	35	300	1/4/23 2:26	CMR
trans-1,3-Dichloropropene	ND	15	7.7		ND	68	35	300	1/4/23 2:26	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	15	15		ND	100	100	300	1/4/23 2:26	CMR
1,4-Dioxane	ND	150	12		ND	540	45	300	1/4/23 2:26	CMR
Ethanol	ND	600	260		ND	1100	500	300	1/4/23 2:26	CMR
Ethyl Acetate	ND	150	76		ND	540	270	300	1/4/23 2:26	CMR
Ethylbenzene	ND	15	8.8		ND	65	38	300	1/4/23 2:26	CMR
4-Ethyltoluene	49	15	9.2		240	74	45	300	1/4/23 2:26	CMR
Heptane	46	15	9.6		190	61	39	300	1/4/23 2:26	CMR
Hexachlorobutadiene	ND	15	12		ND	160	130	300	1/4/23 2:26	CMR
Hexane	110	600	78	J	380	2100	280	300	1/4/23 2:26	CMR
2-Hexanone (MBK)	ND	15	7.5		ND	61	31	300	1/4/23 2:26	CMR
Isopropanol	ND	600	100		ND	1500	250	300	1/4/23 2:26	CMR
Methyl tert-Butyl Ether (MTBE)	ND	15	12		ND	54	42	300	1/4/23 2:26	CMR
Methylene Chloride	ND	150	70		ND	520	240	300	1/4/23 2:26	CMR
4-Methyl-2-pentanone (MIBK)	ND	15	8.0		ND	61	33	300	1/4/23 2:26	CMR
Naphthalene	ND	15	11		ND	79	59	300	1/4/23 2:26	CMR
Propene	ND	600	130		ND	1000	230	300	1/4/23 2:26	CMR
Styrene	ND	15	7.9		ND	64	34	300	1/4/23 2:26	CMR
1,1,2,2-Tetrachloroethane	ND	15	8.1		ND	100	56	300	1/4/23 2:26	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-15
Sample ID: 22L3188-15
Sample Matrix: Soil Gas
Sampled: 12/19/2022 13:35

Sample Description/Location:
Sub Description/Location:
Canister ID: 2721
Canister Size: 3 liter
Flow Controller ID: 4141
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -2.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	37000	60	46		250000	410	310	1200	1/5/23 6:44	CMR
Tetrahydrofuran	ND	150	25		ND	440	73	300	1/4/23 2:26	CMR
Toluene	12	15	8.6	J	44	57	32	300	1/4/23 2:26	CMR
1,2,4-Trichlorobenzene	ND	15	14		ND	110	100	300	1/4/23 2:26	CMR
1,1,1-Trichloroethane	ND	15	12		ND	82	64	300	1/4/23 2:26	CMR
1,1,2-Trichloroethane	ND	15	11		ND	82	58	300	1/4/23 2:26	CMR
Trichloroethylene	3100	15	10		17000	81	54	300	1/4/23 2:26	CMR
Trichlorofluoromethane (Freon 11)	ND	60	18		ND	340	100	300	1/4/23 2:26	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	60	17		ND	460	130	300	1/4/23 2:26	CMR
1,2,4-Trimethylbenzene	240	15	6.6		1200	74	33	300	1/4/23 2:26	CMR
1,3,5-Trimethylbenzene	240	15	7.9		1200	74	39	300	1/4/23 2:26	CMR
Vinyl Acetate	ND	300	81		ND	1100	280	300	1/4/23 2:26	CMR
Vinyl Chloride	ND	15	14		ND	38	35	300	1/4/23 2:26	CMR
m&p-Xylene	39	30	17		170	130	73	300	1/4/23 2:26	CMR
o-Xylene	43	15	7.7		180	65	33	300	1/4/23 2:26	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	113	70-130	1/4/23 2:26
4-Bromofluorobenzene (1)	113	70-130	1/5/23 6:44

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-16
Sample ID: 22L3188-16
Sample Matrix: Soil Gas
Sampled: 12/19/2022 13:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 2612
Canister Size: 3 liter
Flow Controller ID: 4224
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -1.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	80	48		ND	190	110	40	1/3/23 22:16	CMR
Benzene	ND	2.0	1.5		ND	6.4	4.8	40	1/3/23 22:16	CMR
Benzyl chloride	ND	2.0	1.8		ND	10	9.1	40	1/3/23 22:16	CMR
Bromodichloromethane	ND	2.0	1.4		ND	13	9.4	40	1/3/23 22:16	CMR
Bromoform	ND	2.0	1.4		ND	21	14	40	1/3/23 22:16	CMR
Bromomethane	ND	2.0	1.3		ND	7.8	5.2	40	1/3/23 22:16	CMR
1,3-Butadiene	ND	2.0	1.7		ND	4.4	3.7	40	1/3/23 22:16	CMR
2-Butanone (MEK)	ND	80	21		ND	240	63	40	1/3/23 22:16	CMR
Carbon Disulfide	ND	20	1.8		ND	62	5.8	40	1/3/23 22:16	CMR
Carbon Tetrachloride	ND	2.0	1.6		ND	13	10	40	1/3/23 22:16	CMR
Chlorobenzene	ND	2.0	1.3		ND	9.2	6.1	40	1/3/23 22:16	CMR
Chloroethane	ND	2.0	1.8		ND	5.3	4.7	40	1/3/23 22:16	CMR
Chloroform	ND	2.0	1.9		ND	9.8	9.3	40	1/3/23 22:16	CMR
Chloromethane	ND	4.0	1.6		ND	8.3	3.3	40	1/3/23 22:16	CMR
Cyclohexane	14	2.0	1.2		48	6.9	4.2	40	1/3/23 22:16	CMR
Dibromochloromethane	ND	2.0	1.3		ND	17	11	40	1/3/23 22:16	CMR
1,2-Dibromoethane (EDB)	ND	2.0	1.2		ND	15	9.3	40	1/3/23 22:16	CMR
1,2-Dichlorobenzene	ND	2.0	1.1		ND	12	6.9	40	1/3/23 22:16	CMR
1,3-Dichlorobenzene	ND	2.0	1.1		ND	12	6.7	40	1/3/23 22:16	CMR
1,4-Dichlorobenzene	ND	2.0	1.3		ND	12	7.9	40	1/3/23 22:16	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0	2.0		ND	9.9	9.7	40	1/3/23 22:16	CMR
1,1-Dichloroethane	ND	2.0	1.7		ND	8.1	7.1	40	1/3/23 22:16	CMR
1,2-Dichloroethane	ND	2.0	1.8		ND	8.1	7.3	40	1/3/23 22:16	CMR
1,1-Dichloroethylene	ND	2.0	1.5		ND	7.9	6.0	40	1/3/23 22:16	CMR
cis-1,2-Dichloroethylene	160	2.0	1.5		630	7.9	5.8	40	1/3/23 22:16	CMR
trans-1,2-Dichloroethylene	ND	2.0	1.6		ND	7.9	6.2	40	1/3/23 22:16	CMR
1,2-Dichloropropane	ND	2.0	1.1		ND	9.2	5.0	40	1/3/23 22:16	CMR
cis-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.7	40	1/3/23 22:16	CMR
trans-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.6	40	1/3/23 22:16	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	2.0		ND	14	14	40	1/3/23 22:16	CMR
1,4-Dioxane	ND	20	1.7		ND	72	6.0	40	1/3/23 22:16	CMR
Ethanol	ND	80	35		ND	150	66	40	1/3/23 22:16	CMR
Ethyl Acetate	ND	20	10		ND	72	36	40	1/3/23 22:16	CMR
Ethylbenzene	1.6	2.0	1.2	J	7.1	8.7	5.1	40	1/3/23 22:16	CMR
4-Ethyltoluene	16	2.0	1.2		79	9.8	6.0	40	1/3/23 22:16	CMR
Heptane	21	2.0	1.3		86	8.2	5.2	40	1/3/23 22:16	CMR
Hexachlorobutadiene	ND	2.0	1.6		ND	21	18	40	1/3/23 22:16	CMR
Hexane	ND	80	10		ND	280	37	40	1/3/23 22:16	CMR
2-Hexanone (MBK)	ND	2.0	1.0		ND	8.2	4.1	40	1/3/23 22:16	CMR
Isopropanol	ND	80	14		ND	200	34	40	1/3/23 22:16	CMR
Methyl tert-Butyl Ether (MTBE)	ND	2.0	1.5		ND	7.2	5.6	40	1/3/23 22:16	CMR
Methylene Chloride	ND	20	9.3		ND	69	32	40	1/3/23 22:16	CMR
4-Methyl-2-pentanone (MIBK)	ND	2.0	1.1		ND	8.2	4.4	40	1/3/23 22:16	CMR
Naphthalene	ND	2.0	1.5		ND	10	7.9	40	1/3/23 22:16	CMR
Propene	ND	80	18		ND	140	30	40	1/3/23 22:16	CMR
Styrene	ND	2.0	1.1		ND	8.5	4.5	40	1/3/23 22:16	CMR
1,1,2,2-Tetrachloroethane	ND	2.0	1.1		ND	14	7.4	40	1/3/23 22:16	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-16
Sample ID: 22L3188-16
Sample Matrix: Soil Gas
Sampled: 12/19/2022 13:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 2612
Canister Size: 3 liter
Flow Controller ID: 4224
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -1.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	7300	30	23		49000	200	160	600	1/5/23 1:58	CMR
Tetrahydrofuran	ND	20	3.3		ND	59	9.7	40	1/3/23 22:16	CMR
Toluene	ND	2.0	1.1		ND	7.5	4.3	40	1/3/23 22:16	CMR
1,2,4-Trichlorobenzene	ND	2.0	1.9		ND	15	14	40	1/3/23 22:16	CMR
1,1,1-Trichloroethane	ND	2.0	1.6		ND	11	8.6	40	1/3/23 22:16	CMR
1,1,2-Trichloroethane	ND	2.0	1.4		ND	11	7.7	40	1/3/23 22:16	CMR
Trichloroethylene	150	2.0	1.3		780	11	7.2	40	1/3/23 22:16	CMR
Trichlorofluoromethane (Freon 11)	ND	8.0	2.4		ND	45	13	40	1/3/23 22:16	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	8.0	2.2		ND	61	17	40	1/3/23 22:16	CMR
1,2,4-Trimethylbenzene	85	2.0	0.88		420	9.8	4.3	40	1/3/23 22:16	CMR
1,3,5-Trimethylbenzene	68	2.0	1.1		330	9.8	5.2	40	1/3/23 22:16	CMR
Vinyl Acetate	ND	40	11		ND	140	38	40	1/3/23 22:16	CMR
Vinyl Chloride	ND	2.0	1.8		ND	5.1	4.6	40	1/3/23 22:16	CMR
m&p-Xylene	14	4.0	2.2		59	17	9.7	40	1/3/23 22:16	CMR
o-Xylene	1.8	2.0	1.0	J	7.6	8.7	4.4	40	1/3/23 22:16	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	116	70-130	1/3/23 22:16
4-Bromofluorobenzene (1)	112	70-130	1/5/23 1:58

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-17
Sample ID: 22L3188-17
Sample Matrix: Soil Gas
Sampled: 12/19/2022 13:49

Sample Description/Location:
Sub Description/Location:
Canister ID: 2605
Canister Size: 3 liter
Flow Controller ID: 4225
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -0.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	80	48		ND	190	110	40	1/3/23 22:55	CMR
Benzene	ND	2.0	1.5		ND	6.4	4.8	40	1/3/23 22:55	CMR
Benzyl chloride	ND	2.0	1.8		ND	10	9.1	40	1/3/23 22:55	CMR
Bromodichloromethane	ND	2.0	1.4		ND	13	9.4	40	1/3/23 22:55	CMR
Bromoform	ND	2.0	1.4		ND	21	14	40	1/3/23 22:55	CMR
Bromomethane	ND	2.0	1.3		ND	7.8	5.2	40	1/3/23 22:55	CMR
1,3-Butadiene	ND	2.0	1.7		ND	4.4	3.7	40	1/3/23 22:55	CMR
2-Butanone (MEK)	ND	80	21		ND	240	63	40	1/3/23 22:55	CMR
Carbon Disulfide	ND	20	1.8		ND	62	5.8	40	1/3/23 22:55	CMR
Carbon Tetrachloride	ND	2.0	1.6		ND	13	10	40	1/3/23 22:55	CMR
Chlorobenzene	ND	2.0	1.3		ND	9.2	6.1	40	1/3/23 22:55	CMR
Chloroethane	ND	2.0	1.8		ND	5.3	4.7	40	1/3/23 22:55	CMR
Chloroform	ND	2.0	1.9		ND	9.8	9.3	40	1/3/23 22:55	CMR
Chloromethane	ND	4.0	1.6		ND	8.3	3.3	40	1/3/23 22:55	CMR
Cyclohexane	4.6	2.0	1.2		16	6.9	4.2	40	1/3/23 22:55	CMR
Dibromochloromethane	ND	2.0	1.3		ND	17	11	40	1/3/23 22:55	CMR
1,2-Dibromoethane (EDB)	ND	2.0	1.2		ND	15	9.3	40	1/3/23 22:55	CMR
1,2-Dichlorobenzene	ND	2.0	1.1		ND	12	6.9	40	1/3/23 22:55	CMR
1,3-Dichlorobenzene	ND	2.0	1.1		ND	12	6.7	40	1/3/23 22:55	CMR
1,4-Dichlorobenzene	ND	2.0	1.3		ND	12	7.9	40	1/3/23 22:55	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0	2.0		ND	9.9	9.7	40	1/3/23 22:55	CMR
1,1-Dichloroethane	ND	2.0	1.7		ND	8.1	7.1	40	1/3/23 22:55	CMR
1,2-Dichloroethane	ND	2.0	1.8		ND	8.1	7.3	40	1/3/23 22:55	CMR
1,1-Dichloroethylene	ND	2.0	1.5		ND	7.9	6.0	40	1/3/23 22:55	CMR
cis-1,2-Dichloroethylene	8.4	2.0	1.5		33	7.9	5.8	40	1/3/23 22:55	CMR
trans-1,2-Dichloroethylene	ND	2.0	1.6		ND	7.9	6.2	40	1/3/23 22:55	CMR
1,2-Dichloropropane	ND	2.0	1.1		ND	9.2	5.0	40	1/3/23 22:55	CMR
cis-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.7	40	1/3/23 22:55	CMR
trans-1,3-Dichloropropene	ND	2.0	1.0		ND	9.1	4.6	40	1/3/23 22:55	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	2.0		ND	14	14	40	1/3/23 22:55	CMR
1,4-Dioxane	ND	20	1.7		ND	72	6.0	40	1/3/23 22:55	CMR
Ethanol	ND	80	35		ND	150	66	40	1/3/23 22:55	CMR
Ethyl Acetate	ND	20	10		ND	72	36	40	1/3/23 22:55	CMR
Ethylbenzene	ND	2.0	1.2		ND	8.7	5.1	40	1/3/23 22:55	CMR
4-Ethyltoluene	ND	2.0	1.2		ND	9.8	6.0	40	1/3/23 22:55	CMR
Heptane	ND	2.0	1.3		ND	8.2	5.2	40	1/3/23 22:55	CMR
Hexachlorobutadiene	ND	2.0	1.6		ND	21	18	40	1/3/23 22:55	CMR
Hexane	ND	80	10		ND	280	37	40	1/3/23 22:55	CMR
2-Hexanone (MBK)	ND	2.0	1.0		ND	8.2	4.1	40	1/3/23 22:55	CMR
Isopropanol	ND	80	14		ND	200	34	40	1/3/23 22:55	CMR
Methyl tert-Butyl Ether (MTBE)	ND	2.0	1.5		ND	7.2	5.6	40	1/3/23 22:55	CMR
Methylene Chloride	ND	20	9.3		ND	69	32	40	1/3/23 22:55	CMR
4-Methyl-2-pentanone (MIBK)	ND	2.0	1.1		ND	8.2	4.4	40	1/3/23 22:55	CMR
Naphthalene	ND	2.0	1.5		ND	10	7.9	40	1/3/23 22:55	CMR
Propene	ND	80	18		ND	140	30	40	1/3/23 22:55	CMR
Styrene	ND	2.0	1.1		ND	8.5	4.5	40	1/3/23 22:55	CMR
1,1,2,2-Tetrachloroethane	ND	2.0	1.1		ND	14	7.4	40	1/3/23 22:55	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-17
Sample ID: 22L3188-17
Sample Matrix: Soil Gas
Sampled: 12/19/2022 13:49

Sample Description/Location:
Sub Description/Location:
Canister ID: 2605
Canister Size: 3 liter
Flow Controller ID: 4225
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -0.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	16000	30	23		110000	200	160	600	1/5/23 2:39	CMR
Tetrahydrofuran	4.8	20	3.3	J	14	59	9.7	40	1/3/23 22:55	CMR
Toluene	ND	2.0	1.1		ND	7.5	4.3	40	1/3/23 22:55	CMR
1,2,4-Trichlorobenzene	ND	2.0	1.9		ND	15	14	40	1/3/23 22:55	CMR
1,1,1-Trichloroethane	ND	2.0	1.6		ND	11	8.6	40	1/3/23 22:55	CMR
1,1,2-Trichloroethane	ND	2.0	1.4		ND	11	7.7	40	1/3/23 22:55	CMR
Trichloroethylene	36	2.0	1.3		190	11	7.2	40	1/3/23 22:55	CMR
Trichlorofluoromethane (Freon 11)	ND	8.0	2.4		ND	45	13	40	1/3/23 22:55	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	8.0	2.2		ND	61	17	40	1/3/23 22:55	CMR
1,2,4-Trimethylbenzene	4.3	2.0	0.88		21	9.8	4.3	40	1/3/23 22:55	CMR
1,3,5-Trimethylbenzene	7.4	2.0	1.1		36	9.8	5.2	40	1/3/23 22:55	CMR
Vinyl Acetate	ND	40	11		ND	140	38	40	1/3/23 22:55	CMR
Vinyl Chloride	ND	2.0	1.8		ND	5.1	4.6	40	1/3/23 22:55	CMR
m&p-Xylene	ND	4.0	2.2		ND	17	9.7	40	1/3/23 22:55	CMR
o-Xylene	ND	2.0	1.0		ND	8.7	4.4	40	1/3/23 22:55	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	112	70-130	1/3/23 22:55
4-Bromofluorobenzene (1)	114	70-130	1/5/23 2:39

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-18
Sample ID: 22L3188-18
Sample Matrix: Soil Gas
Sampled: 12/19/2022 14:07

Sample Description/Location:
Sub Description/Location:
Canister ID: 2276
Canister Size: 3 liter
Flow Controller ID: 4323
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -0.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	20	12		ND	48	29	10	1/3/23 18:21	CMR
Benzene	ND	0.50	0.38		ND	1.6	1.2	10	1/3/23 18:21	CMR
Benzyl chloride	ND	0.50	0.44		ND	2.6	2.3	10	1/3/23 18:21	CMR
Bromodichloromethane	ND	0.50	0.35		ND	3.4	2.3	10	1/3/23 18:21	CMR
Bromoform	ND	0.50	0.34		ND	5.2	3.5	10	1/3/23 18:21	CMR
Bromomethane	ND	0.50	0.33		ND	1.9	1.3	10	1/3/23 18:21	CMR
1,3-Butadiene	ND	0.50	0.42		ND	1.1	0.93	10	1/3/23 18:21	CMR
2-Butanone (MEK)	ND	20	5.3		ND	59	16	10	1/3/23 18:21	CMR
Carbon Disulfide	ND	5.0	0.46		ND	16	1.4	10	1/3/23 18:21	CMR
Carbon Tetrachloride	ND	0.50	0.40		ND	3.1	2.5	10	1/3/23 18:21	CMR
Chlorobenzene	ND	0.50	0.33		ND	2.3	1.5	10	1/3/23 18:21	CMR
Chloroethane	ND	0.50	0.44		ND	1.3	1.2	10	1/3/23 18:21	CMR
Chloroform	0.49	0.50	0.48	J	2.4	2.4	2.3	10	1/3/23 18:21	CMR
Chloromethane	0.53	1.0	0.40	J	1.1	2.1	0.82	10	1/3/23 18:21	CMR
Cyclohexane	16	0.50	0.30		55	1.7	1.0	10	1/3/23 18:21	CMR
Dibromochloromethane	ND	0.50	0.33		ND	4.3	2.8	10	1/3/23 18:21	CMR
1,2-Dibromoethane (EDB)	ND	0.50	0.30		ND	3.8	2.3	10	1/3/23 18:21	CMR
1,2-Dichlorobenzene	ND	0.50	0.29		ND	3.0	1.7	10	1/3/23 18:21	CMR
1,3-Dichlorobenzene	ND	0.50	0.28		ND	3.0	1.7	10	1/3/23 18:21	CMR
1,4-Dichlorobenzene	ND	0.50	0.33		ND	3.0	2.0	10	1/3/23 18:21	CMR
Dichlorodifluoromethane (Freon 12)	0.53	0.50	0.49		2.6	2.5	2.4	10	1/3/23 18:21	CMR
1,1-Dichloroethane	ND	0.50	0.44		ND	2.0	1.8	10	1/3/23 18:21	CMR
1,2-Dichloroethane	ND	0.50	0.45		ND	2.0	1.8	10	1/3/23 18:21	CMR
1,1-Dichloroethylene	ND	0.50	0.38		ND	2.0	1.5	10	1/3/23 18:21	CMR
cis-1,2-Dichloroethylene	41	0.50	0.36		160	2.0	1.4	10	1/3/23 18:21	CMR
trans-1,2-Dichloroethylene	ND	0.50	0.39		ND	2.0	1.6	10	1/3/23 18:21	CMR
1,2-Dichloropropane	ND	0.50	0.27		ND	2.3	1.3	10	1/3/23 18:21	CMR
cis-1,3-Dichloropropene	ND	0.50	0.26		ND	2.3	1.2	10	1/3/23 18:21	CMR
trans-1,3-Dichloropropene	ND	0.50	0.26		ND	2.3	1.2	10	1/3/23 18:21	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.50	0.49		ND	3.5	3.4	10	1/3/23 18:21	CMR
1,4-Dioxane	ND	5.0	0.42		ND	18	1.5	10	1/3/23 18:21	CMR
Ethanol	ND	20	8.8		ND	38	17	10	1/3/23 18:21	CMR
Ethyl Acetate	ND	5.0	2.5		ND	18	9.1	10	1/3/23 18:21	CMR
Ethylbenzene	ND	0.50	0.29		ND	2.2	1.3	10	1/3/23 18:21	CMR
4-Ethyltoluene	0.79	0.50	0.31		3.9	2.5	1.5	10	1/3/23 18:21	CMR
Heptane	18	0.50	0.32		75	2.0	1.3	10	1/3/23 18:21	CMR
Hexachlorobutadiene	ND	0.50	0.41		ND	5.3	4.4	10	1/3/23 18:21	CMR
Hexane	10	20	2.6	J	36	70	9.2	10	1/3/23 18:21	CMR
2-Hexanone (MBK)	ND	0.50	0.25		ND	2.0	1.0	10	1/3/23 18:21	CMR
Isopropanol	ND	20	3.4		ND	49	8.5	10	1/3/23 18:21	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.39		ND	1.8	1.4	10	1/3/23 18:21	CMR
Methylene Chloride	ND	5.0	2.3		ND	17	8.1	10	1/3/23 18:21	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.50	0.27		ND	2.0	1.1	10	1/3/23 18:21	CMR
Naphthalene	ND	0.50	0.38		ND	2.6	2.0	10	1/3/23 18:21	CMR
Propene	ND	20	4.4		ND	34	7.6	10	1/3/23 18:21	CMR
Styrene	ND	0.50	0.26		ND	2.1	1.1	10	1/3/23 18:21	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	0.27		ND	3.4	1.9	10	1/3/23 18:21	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-18
Sample ID: 22L3188-18
Sample Matrix: Soil Gas
Sampled: 12/19/2022 14:07

Sample Description/Location:
Sub Description/Location:
Canister ID: 2276
Canister Size: 3 liter
Flow Controller ID: 4323
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -0.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	320	0.50	0.38		2200	3.4	2.6	10	1/3/23 18:21	CMR
Tetrahydrofuran	1.8	5.0	0.82	J	5.3	15	2.4	10	1/3/23 18:21	CMR
Toluene	0.55	0.50	0.29		2.1	1.9	1.1	10	1/3/23 18:21	CMR
1,2,4-Trichlorobenzene	ND	0.50	0.46		ND	3.7	3.4	10	1/3/23 18:21	CMR
1,1,1-Trichloroethane	ND	0.50	0.39		ND	2.7	2.1	10	1/3/23 18:21	CMR
1,1,2-Trichloroethane	ND	0.50	0.35		ND	2.7	1.9	10	1/3/23 18:21	CMR
Trichloroethylene	9.5	0.50	0.34		51	2.7	1.8	10	1/3/23 18:21	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	0.59		ND	11	3.3	10	1/3/23 18:21	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.56		ND	15	4.3	10	1/3/23 18:21	CMR
1,2,4-Trimethylbenzene	3.1	0.50	0.22		15	2.5	1.1	10	1/3/23 18:21	CMR
1,3,5-Trimethylbenzene	6.9	0.50	0.26		34	2.5	1.3	10	1/3/23 18:21	CMR
Vinyl Acetate	ND	10	2.7		ND	35	9.5	10	1/3/23 18:21	CMR
Vinyl Chloride	ND	0.50	0.45		ND	1.3	1.2	10	1/3/23 18:21	CMR
m&p-Xylene	0.95	1.0	0.56	J	4.1	4.3	2.4	10	1/3/23 18:21	CMR
o-Xylene	0.61	0.50	0.26		2.6	2.2	1.1	10	1/3/23 18:21	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	1/3/23 18:21

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-14 DUP
Sample ID: 22L3188-19
Sample Matrix: Soil Gas
Sampled: 12/19/2022 14:15

Sample Description/Location:
Sub Description/Location:
Canister ID: 2579
Canister Size: 3 liter
Flow Controller ID: 4097
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -1.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	600	360		ND	1400	860	300	1/4/23 3:09	CMR
Benzene	ND	15	11		ND	48	36	300	1/4/23 3:09	CMR
Benzyl chloride	ND	15	13		ND	78	68	300	1/4/23 3:09	CMR
Bromodichloromethane	ND	15	10		ND	100	70	300	1/4/23 3:09	CMR
Bromoform	ND	15	10		ND	160	110	300	1/4/23 3:09	CMR
Bromomethane	ND	15	10		ND	58	39	300	1/4/23 3:09	CMR
1,3-Butadiene	ND	15	13		ND	33	28	300	1/4/23 3:09	CMR
2-Butanone (MEK)	ND	600	160		ND	1800	470	300	1/4/23 3:09	CMR
Carbon Disulfide	57	150	14	J	180	470	43	300	1/4/23 3:09	CMR
Carbon Tetrachloride	ND	15	12		ND	94	75	300	1/4/23 3:09	CMR
Chlorobenzene	ND	15	10		ND	69	46	300	1/4/23 3:09	CMR
Chloroethane	ND	15	13		ND	40	35	300	1/4/23 3:09	CMR
Chloroform	ND	15	14		ND	73	70	300	1/4/23 3:09	CMR
Chloromethane	ND	30	12		ND	62	25	300	1/4/23 3:09	CMR
Cyclohexane	2100	15	9.1		7200	52	31	300	1/4/23 3:09	CMR
Dibromochloromethane	ND	15	9.9		ND	130	85	300	1/4/23 3:09	CMR
1,2-Dibromoethane (EDB)	ND	15	9.1		ND	120	70	300	1/4/23 3:09	CMR
1,2-Dichlorobenzene	ND	15	8.6		ND	90	52	300	1/4/23 3:09	CMR
1,3-Dichlorobenzene	ND	15	8.3		ND	90	50	300	1/4/23 3:09	CMR
1,4-Dichlorobenzene	ND	15	9.8		ND	90	59	300	1/4/23 3:09	CMR
Dichlorodifluoromethane (Freon 12)	ND	15	15		ND	74	72	300	1/4/23 3:09	CMR
1,1-Dichloroethane	ND	15	13		ND	61	53	300	1/4/23 3:09	CMR
1,2-Dichloroethane	24	15	14		98	61	55	300	1/4/23 3:09	CMR
1,1-Dichloroethylene	21	15	11		83	59	45	300	1/4/23 3:09	CMR
cis-1,2-Dichloroethylene	3600	15	11		14000	59	43	300	1/4/23 3:09	CMR
trans-1,2-Dichloroethylene	ND	15	12		ND	59	47	300	1/4/23 3:09	CMR
1,2-Dichloropropane	ND	15	8.1		ND	69	38	300	1/4/23 3:09	CMR
cis-1,3-Dichloropropene	ND	15	7.8		ND	68	35	300	1/4/23 3:09	CMR
trans-1,3-Dichloropropene	ND	15	7.7		ND	68	35	300	1/4/23 3:09	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	15	15		ND	100	100	300	1/4/23 3:09	CMR
1,4-Dioxane	ND	150	12		ND	540	45	300	1/4/23 3:09	CMR
Ethanol	ND	600	260		ND	1100	500	300	1/4/23 3:09	CMR
Ethyl Acetate	ND	150	76		ND	540	270	300	1/4/23 3:09	CMR
Ethylbenzene	ND	15	8.8		ND	65	38	300	1/4/23 3:09	CMR
4-Ethyltoluene	11	15	9.2	J	55	74	45	300	1/4/23 3:09	CMR
Heptane	1200	15	9.6		5000	61	39	300	1/4/23 3:09	CMR
Hexachlorobutadiene	ND	15	12		ND	160	130	300	1/4/23 3:09	CMR
Hexane	4000	600	78		14000	2100	280	300	1/4/23 3:09	CMR
2-Hexanone (MBK)	ND	15	7.5		ND	61	31	300	1/4/23 3:09	CMR
Isopropanol	ND	600	100		ND	1500	250	300	1/4/23 3:09	CMR
Methyl tert-Butyl Ether (MTBE)	ND	15	12		ND	54	42	300	1/4/23 3:09	CMR
Methylene Chloride	ND	150	70		ND	520	240	300	1/4/23 3:09	CMR
4-Methyl-2-pentanone (MIBK)	ND	15	8.0		ND	61	33	300	1/4/23 3:09	CMR
Naphthalene	ND	15	11		ND	79	59	300	1/4/23 3:09	CMR
Propene	ND	600	130		ND	1000	230	300	1/4/23 3:09	CMR
Styrene	ND	15	7.9		ND	64	34	300	1/4/23 3:09	CMR
1,1,2,2-Tetrachloroethane	ND	15	8.1		ND	100	56	300	1/4/23 3:09	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: SVE-14 DUP
Sample ID: 22L3188-19
Sample Matrix: Soil Gas
Sampled: 12/19/2022 14:15

Sample Description/Location:
Sub Description/Location:
Canister ID: 2579
Canister Size: 3 liter
Flow Controller ID: 4097
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -1.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	48000	60	46		320000	410	310	1200	1/5/23 3:20	CMR
Tetrahydrofuran	ND	150	25		ND	440	73	300	1/4/23 3:09	CMR
Toluene	ND	15	8.6		ND	57	32	300	1/4/23 3:09	CMR
1,2,4-Trichlorobenzene	ND	15	14		ND	110	100	300	1/4/23 3:09	CMR
1,1,1-Trichloroethane	ND	15	12		ND	82	64	300	1/4/23 3:09	CMR
1,1,2-Trichloroethane	ND	15	11		ND	82	58	300	1/4/23 3:09	CMR
Trichloroethylene	2100	15	10		11000	81	54	300	1/4/23 3:09	CMR
Trichlorofluoromethane (Freon 11)	ND	60	18		ND	340	100	300	1/4/23 3:09	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	60	17		ND	460	130	300	1/4/23 3:09	CMR
1,2,4-Trimethylbenzene	51	15	6.6		250	74	33	300	1/4/23 3:09	CMR
1,3,5-Trimethylbenzene	50	15	7.9		240	74	39	300	1/4/23 3:09	CMR
Vinyl Acetate	ND	300	81		ND	1100	280	300	1/4/23 3:09	CMR
Vinyl Chloride	ND	15	14		ND	38	35	300	1/4/23 3:09	CMR
m&p-Xylene	ND	30	17		ND	130	73	300	1/4/23 3:09	CMR
o-Xylene	ND	15	7.7		ND	65	33	300	1/4/23 3:09	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	115	70-130	1/4/23 3:09
4-Bromofluorobenzene (1)	115	70-130	1/5/23 3:20

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: Influent
Sample ID: 22L3188-20
Sample Matrix: Soil Gas
Sampled: 12/19/2022 14:28

Sample Description/Location:
Sub Description/Location:
Canister ID: 2269
Canister Size: 3 liter
Flow Controller ID: 4319
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.0
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	600	360		ND	1400	860	300	1/4/23 3:52	CMR
Benzene	ND	15	11		ND	48	36	300	1/4/23 3:52	CMR
Benzyl chloride	ND	15	13		ND	78	68	300	1/4/23 3:52	CMR
Bromodichloromethane	ND	15	10		ND	100	70	300	1/4/23 3:52	CMR
Bromoform	ND	15	10		ND	160	110	300	1/4/23 3:52	CMR
Bromomethane	ND	15	10		ND	58	39	300	1/4/23 3:52	CMR
1,3-Butadiene	ND	15	13		ND	33	28	300	1/4/23 3:52	CMR
2-Butanone (MEK)	ND	600	160		ND	1800	470	300	1/4/23 3:52	CMR
Carbon Disulfide	ND	150	14		ND	470	43	300	1/4/23 3:52	CMR
Carbon Tetrachloride	ND	15	12		ND	94	75	300	1/4/23 3:52	CMR
Chlorobenzene	ND	15	10		ND	69	46	300	1/4/23 3:52	CMR
Chloroethane	ND	15	13		ND	40	35	300	1/4/23 3:52	CMR
Chloroform	ND	15	14		ND	73	70	300	1/4/23 3:52	CMR
Chloromethane	ND	30	12		ND	62	25	300	1/4/23 3:52	CMR
Cyclohexane	55	15	9.1		190	52	31	300	1/4/23 3:52	CMR
Dibromochloromethane	ND	15	9.9		ND	130	85	300	1/4/23 3:52	CMR
1,2-Dibromoethane (EDB)	ND	15	9.1		ND	120	70	300	1/4/23 3:52	CMR
1,2-Dichlorobenzene	ND	15	8.6		ND	90	52	300	1/4/23 3:52	CMR
1,3-Dichlorobenzene	ND	15	8.3		ND	90	50	300	1/4/23 3:52	CMR
1,4-Dichlorobenzene	ND	15	9.8		ND	90	59	300	1/4/23 3:52	CMR
Dichlorodifluoromethane (Freon 12)	ND	15	15		ND	74	72	300	1/4/23 3:52	CMR
1,1-Dichloroethane	ND	15	13		ND	61	53	300	1/4/23 3:52	CMR
1,2-Dichloroethane	ND	15	14		ND	61	55	300	1/4/23 3:52	CMR
1,1-Dichloroethylene	ND	15	11		ND	59	45	300	1/4/23 3:52	CMR
cis-1,2-Dichloroethylene	1000	15	11		4000	59	43	300	1/4/23 3:52	CMR
trans-1,2-Dichloroethylene	ND	15	12		ND	59	47	300	1/4/23 3:52	CMR
1,2-Dichloropropane	ND	15	8.1		ND	69	38	300	1/4/23 3:52	CMR
cis-1,3-Dichloropropene	ND	15	7.8		ND	68	35	300	1/4/23 3:52	CMR
trans-1,3-Dichloropropene	ND	15	7.7		ND	68	35	300	1/4/23 3:52	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	15	15		ND	100	100	300	1/4/23 3:52	CMR
1,4-Dioxane	ND	150	12		ND	540	45	300	1/4/23 3:52	CMR
Ethanol	ND	600	260		ND	1100	500	300	1/4/23 3:52	CMR
Ethyl Acetate	ND	150	76		ND	540	270	300	1/4/23 3:52	CMR
Ethylbenzene	ND	15	8.8		ND	65	38	300	1/4/23 3:52	CMR
4-Ethyltoluene	59	15	9.2		290	74	45	300	1/4/23 3:52	CMR
Heptane	25	15	9.6		100	61	39	300	1/4/23 3:52	CMR
Hexachlorobutadiene	ND	15	12		ND	160	130	300	1/4/23 3:52	CMR
Hexane	ND	600	78		ND	2100	280	300	1/4/23 3:52	CMR
2-Hexanone (MBK)	ND	15	7.5		ND	61	31	300	1/4/23 3:52	CMR
Isopropanol	ND	600	100		ND	1500	250	300	1/4/23 3:52	CMR
Methyl tert-Butyl Ether (MTBE)	ND	15	12		ND	54	42	300	1/4/23 3:52	CMR
Methylene Chloride	ND	150	70		ND	520	240	300	1/4/23 3:52	CMR
4-Methyl-2-pentanone (MIBK)	ND	15	8.0		ND	61	33	300	1/4/23 3:52	CMR
Naphthalene	ND	15	11		ND	79	59	300	1/4/23 3:52	CMR
Propene	ND	600	130		ND	1000	230	300	1/4/23 3:52	CMR
Styrene	ND	15	7.9		ND	64	34	300	1/4/23 3:52	CMR
1,1,2,2-Tetrachloroethane	ND	15	8.1		ND	100	56	300	1/4/23 3:52	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: Influent
Sample ID: 22L3188-20
Sample Matrix: Soil Gas
Sampled: 12/19/2022 14:28

Sample Description/Location:
Sub Description/Location:
Canister ID: 2269
Canister Size: 3 liter
Flow Controller ID: 4319
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.0
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	16000	60	46		110000	410	310	1200	1/5/23 4:01	CMR
Tetrahydrofuran	ND	150	25		ND	440	73	300	1/4/23 3:52	CMR
Toluene	ND	15	8.6		ND	57	32	300	1/4/23 3:52	CMR
1,2,4-Trichlorobenzene	ND	15	14		ND	110	100	300	1/4/23 3:52	CMR
1,1,1-Trichloroethane	ND	15	12		ND	82	64	300	1/4/23 3:52	CMR
1,1,2-Trichloroethane	ND	15	11		ND	82	58	300	1/4/23 3:52	CMR
Trichloroethylene	550	15	10		3000	81	54	300	1/4/23 3:52	CMR
Trichlorofluoromethane (Freon 11)	ND	60	18		ND	340	100	300	1/4/23 3:52	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	60	17		ND	460	130	300	1/4/23 3:52	CMR
1,2,4-Trimethylbenzene	370	15	6.6		1800	74	33	300	1/4/23 3:52	CMR
1,3,5-Trimethylbenzene	250	15	7.9		1200	74	39	300	1/4/23 3:52	CMR
Vinyl Acetate	ND	300	81		ND	1100	280	300	1/4/23 3:52	CMR
Vinyl Chloride	ND	15	14		ND	38	35	300	1/4/23 3:52	CMR
m&p-Xylene	19	30	17	J	81	130	73	300	1/4/23 3:52	CMR
o-Xylene	15	15	7.7	J	64	65	33	300	1/4/23 3:52	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	1/4/23 3:52
4-Bromofluorobenzene (1)	113	70-130	1/5/23 4:01

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: Effluent
Sample ID: 22L3188-21
Sample Matrix: Soil Gas
Sampled: 12/19/2022 14:49

Sample Description/Location:
Sub Description/Location:
Canister ID: 2613
Canister Size: 3 liter
Flow Controller ID: 4139
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -25
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -1.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	600	360		ND	1400	860	300	1/4/23 4:35	CMR
Benzene	ND	15	11		ND	48	36	300	1/4/23 4:35	CMR
Benzyl chloride	ND	15	13		ND	78	68	300	1/4/23 4:35	CMR
Bromodichloromethane	ND	15	10		ND	100	70	300	1/4/23 4:35	CMR
Bromoform	ND	15	10		ND	160	110	300	1/4/23 4:35	CMR
Bromomethane	ND	15	10		ND	58	39	300	1/4/23 4:35	CMR
1,3-Butadiene	ND	15	13		ND	33	28	300	1/4/23 4:35	CMR
2-Butanone (MEK)	ND	600	160		ND	1800	470	300	1/4/23 4:35	CMR
Carbon Disulfide	ND	150	14		ND	470	43	300	1/4/23 4:35	CMR
Carbon Tetrachloride	ND	15	12		ND	94	75	300	1/4/23 4:35	CMR
Chlorobenzene	ND	15	10		ND	69	46	300	1/4/23 4:35	CMR
Chloroethane	ND	15	13		ND	40	35	300	1/4/23 4:35	CMR
Chloroform	ND	15	14		ND	73	70	300	1/4/23 4:35	CMR
Chloromethane	ND	30	12		ND	62	25	300	1/4/23 4:35	CMR
Cyclohexane	120	15	9.1		410	52	31	300	1/4/23 4:35	CMR
Dibromochloromethane	ND	15	9.9		ND	130	85	300	1/4/23 4:35	CMR
1,2-Dibromoethane (EDB)	ND	15	9.1		ND	120	70	300	1/4/23 4:35	CMR
1,2-Dichlorobenzene	ND	15	8.6		ND	90	52	300	1/4/23 4:35	CMR
1,3-Dichlorobenzene	ND	15	8.3		ND	90	50	300	1/4/23 4:35	CMR
1,4-Dichlorobenzene	ND	15	9.8		ND	90	59	300	1/4/23 4:35	CMR
Dichlorodifluoromethane (Freon 12)	ND	15	15		ND	74	72	300	1/4/23 4:35	CMR
1,1-Dichloroethane	ND	15	13		ND	61	53	300	1/4/23 4:35	CMR
1,2-Dichloroethane	ND	15	14		ND	61	55	300	1/4/23 4:35	CMR
1,1-Dichloroethylene	ND	15	11		ND	59	45	300	1/4/23 4:35	CMR
cis-1,2-Dichloroethylene	210	15	11		830	59	43	300	1/4/23 4:35	CMR
trans-1,2-Dichloroethylene	ND	15	12		ND	59	47	300	1/4/23 4:35	CMR
1,2-Dichloropropane	ND	15	8.1		ND	69	38	300	1/4/23 4:35	CMR
cis-1,3-Dichloropropene	ND	15	7.8		ND	68	35	300	1/4/23 4:35	CMR
trans-1,3-Dichloropropene	ND	15	7.7		ND	68	35	300	1/4/23 4:35	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	15	15		ND	100	100	300	1/4/23 4:35	CMR
1,4-Dioxane	ND	150	12		ND	540	45	300	1/4/23 4:35	CMR
Ethanol	ND	600	260		ND	1100	500	300	1/4/23 4:35	CMR
Ethyl Acetate	ND	150	76		ND	540	270	300	1/4/23 4:35	CMR
Ethylbenzene	ND	15	8.8		ND	65	38	300	1/4/23 4:35	CMR
4-Ethyltoluene	28	15	9.2		140	74	45	300	1/4/23 4:35	CMR
Heptane	110	15	9.6		470	61	39	300	1/4/23 4:35	CMR
Hexachlorobutadiene	ND	15	12		ND	160	130	300	1/4/23 4:35	CMR
Hexane	190	600	78	J	660	2100	280	300	1/4/23 4:35	CMR
2-Hexanone (MBK)	ND	15	7.5		ND	61	31	300	1/4/23 4:35	CMR
Isopropanol	ND	600	100		ND	1500	250	300	1/4/23 4:35	CMR
Methyl tert-Butyl Ether (MTBE)	ND	15	12		ND	54	42	300	1/4/23 4:35	CMR
Methylene Chloride	ND	150	70		ND	520	240	300	1/4/23 4:35	CMR
4-Methyl-2-pentanone (MIBK)	ND	15	8.0		ND	61	33	300	1/4/23 4:35	CMR
Naphthalene	ND	15	11		ND	79	59	300	1/4/23 4:35	CMR
Propene	ND	600	130		ND	1000	230	300	1/4/23 4:35	CMR
Styrene	ND	15	7.9		ND	64	34	300	1/4/23 4:35	CMR
1,1,2,2-Tetrachloroethane	ND	15	8.1		ND	100	56	300	1/4/23 4:35	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: Effluent
Sample ID: 22L3188-21
Sample Matrix: Soil Gas
Sampled: 12/19/2022 14:49

Sample Description/Location:
Sub Description/Location:
Canister ID: 2613
Canister Size: 3 liter
Flow Controller ID: 4139
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -25
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -1.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	15000	60	46		100000	410	310	1200	1/5/23 4:42	CMR
Tetrahydrofuran	ND	150	25		ND	440	73	300	1/4/23 4:35	CMR
Toluene	ND	15	8.6		ND	57	32	300	1/4/23 4:35	CMR
1,2,4-Trichlorobenzene	ND	15	14		ND	110	100	300	1/4/23 4:35	CMR
1,1,1-Trichloroethane	ND	15	12		ND	82	64	300	1/4/23 4:35	CMR
1,1,2-Trichloroethane	ND	15	11		ND	82	58	300	1/4/23 4:35	CMR
Trichloroethylene	350	15	10		1900	81	54	300	1/4/23 4:35	CMR
Trichlorofluoromethane (Freon 11)	ND	60	18		ND	340	100	300	1/4/23 4:35	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	60	17		ND	460	130	300	1/4/23 4:35	CMR
1,2,4-Trimethylbenzene	150	15	6.6		730	74	33	300	1/4/23 4:35	CMR
1,3,5-Trimethylbenzene	140	15	7.9		670	74	39	300	1/4/23 4:35	CMR
Vinyl Acetate	ND	300	81		ND	1100	280	300	1/4/23 4:35	CMR
Vinyl Chloride	ND	15	14		ND	38	35	300	1/4/23 4:35	CMR
m&p-Xylene	ND	30	17		ND	130	73	300	1/4/23 4:35	CMR
o-Xylene	11	15	7.7	J	49	65	33	300	1/4/23 4:35	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	113	70-130	1/4/23 4:35
4-Bromofluorobenzene (1)	116	70-130	1/5/23 4:42

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: Effluent DUP
Sample ID: 22L3188-22
Sample Matrix: Soil Gas
Sampled: 12/19/2022 14:49

Sample Description/Location:
Sub Description/Location:
Canister ID: 2595
Canister Size: 3 liter
Flow Controller ID: 4122
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -1.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	600	360		ND	1400	860	300	1/4/23 5:18	CMR
Benzene	ND	15	11		ND	48	36	300	1/4/23 5:18	CMR
Benzyl chloride	ND	15	13		ND	78	68	300	1/4/23 5:18	CMR
Bromodichloromethane	ND	15	10		ND	100	70	300	1/4/23 5:18	CMR
Bromoform	ND	15	10		ND	160	110	300	1/4/23 5:18	CMR
Bromomethane	ND	15	10		ND	58	39	300	1/4/23 5:18	CMR
1,3-Butadiene	ND	15	13		ND	33	28	300	1/4/23 5:18	CMR
2-Butanone (MEK)	ND	600	160		ND	1800	470	300	1/4/23 5:18	CMR
Carbon Disulfide	ND	150	14		ND	470	43	300	1/4/23 5:18	CMR
Carbon Tetrachloride	ND	15	12		ND	94	75	300	1/4/23 5:18	CMR
Chlorobenzene	ND	15	10		ND	69	46	300	1/4/23 5:18	CMR
Chloroethane	ND	15	13		ND	40	35	300	1/4/23 5:18	CMR
Chloroform	ND	15	14		ND	73	70	300	1/4/23 5:18	CMR
Chloromethane	ND	30	12		ND	62	25	300	1/4/23 5:18	CMR
Cyclohexane	180	15	9.1		630	52	31	300	1/4/23 5:18	CMR
Dibromochloromethane	ND	15	9.9		ND	130	85	300	1/4/23 5:18	CMR
1,2-Dibromoethane (EDB)	ND	15	9.1		ND	120	70	300	1/4/23 5:18	CMR
1,2-Dichlorobenzene	ND	15	8.6		ND	90	52	300	1/4/23 5:18	CMR
1,3-Dichlorobenzene	ND	15	8.3		ND	90	50	300	1/4/23 5:18	CMR
1,4-Dichlorobenzene	ND	15	9.8		ND	90	59	300	1/4/23 5:18	CMR
Dichlorodifluoromethane (Freon 12)	ND	15	15		ND	74	72	300	1/4/23 5:18	CMR
1,1-Dichloroethane	ND	15	13		ND	61	53	300	1/4/23 5:18	CMR
1,2-Dichloroethane	ND	15	14		ND	61	55	300	1/4/23 5:18	CMR
1,1-Dichloroethylene	ND	15	11		ND	59	45	300	1/4/23 5:18	CMR
cis-1,2-Dichloroethylene	270	15	11		1100	59	43	300	1/4/23 5:18	CMR
trans-1,2-Dichloroethylene	ND	15	12		ND	59	47	300	1/4/23 5:18	CMR
1,2-Dichloropropane	ND	15	8.1		ND	69	38	300	1/4/23 5:18	CMR
cis-1,3-Dichloropropene	ND	15	7.8		ND	68	35	300	1/4/23 5:18	CMR
trans-1,3-Dichloropropene	ND	15	7.7		ND	68	35	300	1/4/23 5:18	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	15	15		ND	100	100	300	1/4/23 5:18	CMR
1,4-Dioxane	ND	150	12		ND	540	45	300	1/4/23 5:18	CMR
Ethanol	ND	600	260		ND	1100	500	300	1/4/23 5:18	CMR
Ethyl Acetate	ND	150	76		ND	540	270	300	1/4/23 5:18	CMR
Ethylbenzene	ND	15	8.8		ND	65	38	300	1/4/23 5:18	CMR
4-Ethyltoluene	9.9	15	9.2	J	49	74	45	300	1/4/23 5:18	CMR
Heptane	160	15	9.6		670	61	39	300	1/4/23 5:18	CMR
Hexachlorobutadiene	ND	15	12		ND	160	130	300	1/4/23 5:18	CMR
Hexane	290	600	78	J	1000	2100	280	300	1/4/23 5:18	CMR
2-Hexanone (MBK)	ND	15	7.5		ND	61	31	300	1/4/23 5:18	CMR
Isopropanol	ND	600	100		ND	1500	250	300	1/4/23 5:18	CMR
Methyl tert-Butyl Ether (MTBE)	ND	15	12		ND	54	42	300	1/4/23 5:18	CMR
Methylene Chloride	ND	150	70		ND	520	240	300	1/4/23 5:18	CMR
4-Methyl-2-pentanone (MIBK)	ND	15	8.0		ND	61	33	300	1/4/23 5:18	CMR
Naphthalene	ND	15	11		ND	79	59	300	1/4/23 5:18	CMR
Propene	ND	600	130		ND	1000	230	300	1/4/23 5:18	CMR
Styrene	ND	15	7.9		ND	64	34	300	1/4/23 5:18	CMR
1,1,2,2-Tetrachloroethane	ND	15	8.1		ND	100	56	300	1/4/23 5:18	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 12/22/2022
Field Sample #: Effluent DUP
Sample ID: 22L3188-22
Sample Matrix: Soil Gas
Sampled: 12/19/2022 14:49

Sample Description/Location:
Sub Description/Location:
Canister ID: 2595
Canister Size: 3 liter
Flow Controller ID: 4122
Sample Type: 30 min

Work Order: 22L3188
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -1.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	17000	60	46		120000	410	310	1200	1/5/23 5:22	CMR
Tetrahydrofuran	ND	150	25		ND	440	73	300	1/4/23 5:18	CMR
Toluene	ND	15	8.6		ND	57	32	300	1/4/23 5:18	CMR
1,2,4-Trichlorobenzene	ND	15	14		ND	110	100	300	1/4/23 5:18	CMR
1,1,1-Trichloroethane	ND	15	12		ND	82	64	300	1/4/23 5:18	CMR
1,1,2-Trichloroethane	ND	15	11		ND	82	58	300	1/4/23 5:18	CMR
Trichloroethylene	380	15	10		2000	81	54	300	1/4/23 5:18	CMR
Trichlorofluoromethane (Freon 11)	ND	60	18		ND	340	100	300	1/4/23 5:18	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	60	17		ND	460	130	300	1/4/23 5:18	CMR
1,2,4-Trimethylbenzene	55	15	6.6		270	74	33	300	1/4/23 5:18	CMR
1,3,5-Trimethylbenzene	50	15	7.9		240	74	39	300	1/4/23 5:18	CMR
Vinyl Acetate	ND	300	81		ND	1100	280	300	1/4/23 5:18	CMR
Vinyl Chloride	ND	15	14		ND	38	35	300	1/4/23 5:18	CMR
m&p-Xylene	ND	30	17		ND	130	73	300	1/4/23 5:18	CMR
o-Xylene	ND	15	7.7		ND	65	33	300	1/4/23 5:18	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	1/4/23 5:18
4-Bromofluorobenzene (1)	113	70-130	1/5/23 5:22

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22L3188-01 [SVE-1]	B327586	1.5	1	N/A	1000	400	150	01/03/23
22L3188-02 [SVE-2]	B327586	1.5	1	N/A	1000	400	15	01/03/23
22L3188-03 [SVE-3]	B327586	1.5	1	N/A	1000	400	150	01/03/23
22L3188-04 [SVE-4]	B327586	1.5	1	N/A	1000	400	15	01/03/23
22L3188-05 [SVE-5]	B327586	1.5	1	N/A	1000	400	150	01/03/23
22L3188-06 [SVE-6]	B327586	1.5	1	N/A	1000	400	15	01/03/23
22L3188-08 [SVE-8]	B327586	1.5	200	5	1000	400	400	01/03/23
22L3188-09 [SVE-9]	B327586	1.5	200	5	1000	400	400	01/03/23
22L3188-13 [SVE-13]	B327586	1.5	1	N/A	1000	400	15	01/03/23
22L3188-14 [SVE-14]	B327586	1.5	200	5	1000	400	400	01/03/23
22L3188-15 [SVE-15]	B327586	1.5	200	5	1000	400	400	01/03/23
22L3188-16 [SVE-16]	B327586	1.5	1	N/A	1000	400	15	01/03/23
22L3188-17 [SVE-17]	B327586	1.5	1	N/A	1000	400	15	01/03/23
22L3188-18 [SVE-18]	B327586	1.5	1	N/A	1000	400	60	01/03/23
22L3188-19 [SVE-14 DUP]	B327586	1.5	200	5	1000	400	400	01/03/23
22L3188-20 [Influent]	B327586	1.5	200	5	1000	400	400	01/03/23
22L3188-21 [Effluent]	B327586	1.5	200	5	1000	400	400	01/03/23
22L3188-22 [Effluent DUP]	B327586	1.5	200	5	1000	400	400	01/03/23

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22L3188-07 [SVE-7]	B327630	1.5	200	5	1000	400	100	01/03/23
22L3188-10 [SVE-10]	B327630	1.5	200	5	1000	400	200	01/03/23
22L3188-11 [SVE-11]	B327630	1.5	200	5	1000	400	200	01/03/23
22L3188-12 [SVE-12]	B327630	1.5	200	5	1000	400	200	01/03/23

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22L3188-07RE1 [SVE-7]	B327737	1.5	200	5	1000	400	10	01/04/23
22L3188-10RE1 [SVE-10]	B327737	1.5	200	5	1000	400	40	01/04/23
22L3188-11RE1 [SVE-11]	B327737	1.5	200	5	1000	400	40	01/04/23
22L3188-12RE1 [SVE-12]	B327737	1.5	200	5	1000	400	40	01/04/23
22L3188-14RE1 [SVE-14]	B327737	1.5	200	5	1000	400	100	01/04/23
22L3188-15RE1 [SVE-15]	B327737	1.5	200	5	1000	400	100	01/04/23
22L3188-16RE1 [SVE-16]	B327737	1.5	200	5	1000	400	200	01/04/23
22L3188-17RE1 [SVE-17]	B327737	1.5	200	5	1000	400	200	01/04/23
22L3188-19RE1 [SVE-14 DUP]	B327737	1.5	200	5	1000	400	100	01/04/23
22L3188-20RE1 [Influent]	B327737	1.5	200	5	1000	400	100	01/04/23
22L3188-21RE1 [Effluent]	B327737	1.5	200	5	1000	400	100	01/04/23
22L3188-22RE1 [Effluent DUP]	B327737	1.5	200	5	1000	400	100	01/04/23

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B327586 - TO-15 Prep											
Blank (B327586-BLK1)					Prepared & Analyzed: 01/03/23						
Acetone	ND	1.4									
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.35									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.070									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									
Ethyl Acetate	ND	0.35									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.35									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Propene	ND	1.4									
Styrene	ND	0.035									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B327586 - TO-15 Prep											
Blank (B327586-BLK1)					Prepared & Analyzed: 01/03/23						
1,1,2,2-Tetrachloroethane	ND	0.035									
Tetrachloroethylene	ND	0.035									
Tetrahydrofuran	ND	0.35									
Toluene	ND	0.035									
1,2,4-Trichlorobenzene	ND	0.035									
1,1,1-Trichloroethane	ND	0.035									
1,1,2-Trichloroethane	ND	0.035									
Trichloroethylene	ND	0.035									
Trichlorofluoromethane (Freon 11)	ND	0.14									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14									
1,2,4-Trimethylbenzene	ND	0.035									
1,3,5-Trimethylbenzene	ND	0.035									
Vinyl Acetate	ND	0.70									
Vinyl Chloride	ND	0.035									
m&p-Xylene	ND	0.070									
o-Xylene	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*8.94*				*8.00*		*112*	*70-130*			
LCS (B327586-BS1)					Prepared & Analyzed: 01/03/23						
Acetone	4.55				5.00		91.0	70-130			
Benzene	4.40				5.00		88.0	70-130			
Benzyl chloride	4.88				5.00		97.6	70-130			
Bromodichloromethane	4.28				5.00		85.6	70-130			
Bromoform	4.81				5.00		96.3	70-130			
Bromomethane	4.73				5.00		94.6	70-130			
1,3-Butadiene	4.70				5.00		94.1	70-130			
2-Butanone (MEK)	4.49				5.00		89.8	70-130			
Carbon Disulfide	4.76				5.00		95.2	70-130			
Carbon Tetrachloride	4.43				5.00		88.7	70-130			
Chlorobenzene	4.26				5.00		85.1	70-130			
Chloroethane	4.83				5.00		96.6	70-130			
Chloroform	4.78				5.00		95.6	70-130			
Chloromethane	4.47				5.00		89.5	70-130			
Cyclohexane	4.51				5.00		90.2	70-130			
Dibromochloromethane	4.47				5.00		89.5	70-130			
1,2-Dibromoethane (EDB)	4.23				5.00		84.6	70-130			
1,2-Dichlorobenzene	4.93				5.00		98.6	70-130			
1,3-Dichlorobenzene	5.04				5.00		101	70-130			
1,4-Dichlorobenzene	5.09				5.00		102	70-130			
Dichlorodifluoromethane (Freon 12)	5.07				5.00		101	70-130			
1,1-Dichloroethane	4.81				5.00		96.2	70-130			
1,2-Dichloroethane	5.08				5.00		102	70-130			
1,1-Dichloroethylene	5.39				5.00		108	70-130			
cis-1,2-Dichloroethylene	4.89				5.00		97.8	70-130			
trans-1,2-Dichloroethylene	4.89				5.00		97.9	70-130			
1,2-Dichloropropane	4.36				5.00		87.3	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B327586 - TO-15 Prep											
LCS (B327586-BS1)					Prepared & Analyzed: 01/03/23						
cis-1,3-Dichloropropene	4.42				5.00		88.4	70-130			
trans-1,3-Dichloropropene	4.54				5.00		90.8	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.39				5.00		87.7	70-130			
1,4-Dioxane	4.38				5.00		87.7	70-130			
Ethanol	3.57				5.00		71.3	70-130			
Ethyl Acetate	4.67				5.00		93.3	70-130			
Ethylbenzene	4.51				5.00		90.1	70-130			
4-Ethyltoluene	4.91				5.00		98.1	70-130			
Heptane	4.58				5.00		91.7	70-130			
Hexachlorobutadiene	4.61				5.00		92.1	70-130			
Hexane	5.14				5.00		103	70-130			
2-Hexanone (MBK)	4.11				5.00		82.3	70-130			
Isopropanol	3.74				5.00		74.8	70-130			
Methyl tert-Butyl Ether (MTBE)	4.86				5.00		97.1	70-130			
Methylene Chloride	4.28				5.00		85.6	70-130			
4-Methyl-2-pentanone (MIBK)	4.17				5.00		83.5	70-130			
Naphthalene	6.13				5.00		123	70-130			
Propene	3.75				5.00		75.1	70-130			
Styrene	4.83				5.00		96.7	70-130			
1,1,2,2-Tetrachloroethane	4.06				5.00		81.1	70-130			
Tetrachloroethylene	4.60				5.00		92.1	70-130			
Tetrahydrofuran	4.93				5.00		98.6	70-130			
Toluene	4.37				5.00		87.5	70-130			
1,2,4-Trichlorobenzene	4.79				5.00		95.7	70-130			
1,1,1-Trichloroethane	4.16				5.00		83.2	70-130			
1,1,2-Trichloroethane	4.05				5.00		80.9	70-130			
Trichloroethylene	4.44				5.00		88.8	70-130			
Trichlorofluoromethane (Freon 11)	4.82				5.00		96.3	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.67				5.00		93.3	70-130			
1,2,4-Trimethylbenzene	4.92				5.00		98.4	70-130			
1,3,5-Trimethylbenzene	4.89				5.00		97.8	70-130			
Vinyl Acetate	3.85				5.00		77.0	70-130			
Vinyl Chloride	4.87				5.00		97.4	70-130			
m&p-Xylene	9.37				10.0		93.7	70-130			
o-Xylene	4.71				5.00		94.3	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*9.30*				*8.00*		*116*	*70-130*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B327586 - TO-15 Prep											
Duplicate (B327586-DUP1)			**Source: 22L3188-03**		Prepared & Analyzed: 01/03/23						
Acetone	ND	8.0	ND	19		ND				25	
Benzene	ND	0.20	ND	0.64		ND				25	
Benzyl chloride	ND	0.20	ND	1.0		ND				25	
Bromodichloromethane	ND	0.20	ND	1.3		ND				25	
Bromoform	ND	0.20	ND	2.1		ND				25	
Bromomethane	ND	0.20	ND	0.78		ND				25	
1,3-Butadiene	ND	0.20	ND	0.44		ND				25	
2-Butanone (MEK)	ND	8.0	ND	24		ND				25	
Carbon Disulfide	0.38	2.0	1.2	6.2		0.38			0.00	25	J
Carbon Tetrachloride	ND	0.20	ND	1.3		ND				25	
Chlorobenzene	ND	0.20	ND	0.92		ND				25	
Chloroethane	ND	0.20	ND	0.53		ND				25	
Chloroform	ND	0.20	ND	0.98		ND				25	
Chloromethane	0.35	0.40	0.72	0.83		0.40			14.9	25	J
Cyclohexane	ND	0.20	ND	0.69		ND				25	
Dibromochloromethane	ND	0.20	ND	1.7		ND				25	
1,2-Dibromoethane (EDB)	ND	0.20	ND	1.5		ND				25	
1,2-Dichlorobenzene	ND	0.20	ND	1.2		ND				25	
1,3-Dichlorobenzene	ND	0.20	ND	1.2		ND				25	
1,4-Dichlorobenzene	ND	0.20	ND	1.2		ND				25	
Dichlorodifluoromethane (Freon 12)	0.44	0.20	2.2	0.99		0.44			1.82	25	
1,1-Dichloroethane	ND	0.20	ND	0.81		ND				25	
1,2-Dichloroethane	ND	0.20	ND	0.81		ND				25	
1,1-Dichloroethylene	ND	0.20	ND	0.79		ND				25	
cis-1,2-Dichloroethylene	ND	0.20	ND	0.79		ND				25	
trans-1,2-Dichloroethylene	ND	0.20	ND	0.79		ND				25	
1,2-Dichloropropane	ND	0.20	ND	0.92		ND				25	
cis-1,3-Dichloropropene	ND	0.20	ND	0.91		ND				25	
trans-1,3-Dichloropropene	ND	0.20	ND	0.91		ND				25	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	ND	1.4		ND				25	
1,4-Dioxane	ND	2.0	ND	7.2		ND				25	
Ethanol	ND	8.0	ND	15		ND				25	
Ethyl Acetate	ND	2.0	ND	7.2		ND				25	
Ethylbenzene	ND	0.20	ND	0.87		ND				25	
4-Ethyltoluene	1.6	0.20	7.7	0.98		1.6			3.01	25	
Heptane	ND	0.20	ND	0.82		ND				25	
Hexachlorobutadiene	ND	0.20	ND	2.1		ND				25	
Hexane	ND	8.0	ND	28		ND				25	
2-Hexanone (MBK)	ND	0.20	ND	0.82		ND				25	
Isopropanol	ND	8.0	ND	20		ND				25	
Methyl tert-Butyl Ether (MTBE)	ND	0.20	ND	0.72		ND				25	
Methylene Chloride	ND	2.0	ND	6.9		ND				25	
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82		ND				25	
Naphthalene	ND	0.20	ND	1.0		ND				25	
Propene	ND	8.0	ND	14		ND				25	
Styrene	ND	0.20	ND	0.85		ND				25	

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B327586 - TO-15 Prep											
Duplicate (B327586-DUP1)			**Source: 22L3188-03**		Prepared & Analyzed: 01/03/23						
1,1,2,2-Tetrachloroethane	ND	0.20	ND	1.4		ND				25	
Tetrachloroethylene	0.84	0.20	5.7	1.4		0.83			0.962	25	
Tetrahydrofuran	2.6	2.0	7.7	5.9		2.6			0.460	25	
Toluene	0.13	0.20	0.48	0.75		0.12			3.17	25	J
1,2,4-Trichlorobenzene	ND	0.20	ND	1.5		ND				25	
1,1,1-Trichloroethane	ND	0.20	ND	1.1		ND				25	
1,1,2-Trichloroethane	ND	0.20	ND	1.1		ND				25	
Trichloroethylene	ND	0.20	ND	1.1		ND				25	
Trichlorofluoromethane (Freon 11)	ND	0.80	ND	4.5		ND				25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	ND	6.1		ND				25	
1,2,4-Trimethylbenzene	9.0	0.20	44	0.98		9.5			5.06	25	
1,3,5-Trimethylbenzene	19	0.20	92	0.98		19			4.06	25	
Vinyl Acetate	ND	4.0	ND	14		ND				25	
Vinyl Chloride	ND	0.20	ND	0.51		ND				25	
m&p-Xylene	ND	0.40	ND	1.7		ND				25	
o-Xylene	ND	0.20	ND	0.87		ND				25	
Surrogate: 4-Bromofluorobenzene (1)	*9.41*				*8.00*		*118*	*70-130*			
Batch B327630 - TO-15 Prep											
Blank (B327630-BLK1)					Prepared: 01/03/23 Analyzed: 01/04/23						
Acetone	ND	1.4									
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.35									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.070									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									

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Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B327630 - TO-15 Prep											
Blank (B327630-BLK1)					Prepared: 01/03/23 Analyzed: 01/04/23						
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									L-03
Ethyl Acetate	ND	0.35									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.35									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Propene	ND	1.4									
Styrene	ND	0.035									
1,1,2,2-Tetrachloroethane	ND	0.035									
Tetrachloroethylene	0.039	0.035									B-07
Tetrahydrofuran	ND	0.35									
Toluene	ND	0.035									
1,2,4-Trichlorobenzene	ND	0.035									
1,1,1-Trichloroethane	ND	0.035									
1,1,2-Trichloroethane	ND	0.035									
Trichloroethylene	ND	0.035									
Trichlorofluoromethane (Freon 11)	ND	0.14									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14									
1,2,4-Trimethylbenzene	ND	0.035									
1,3,5-Trimethylbenzene	ND	0.035									
Vinyl Acetate	ND	0.70									
Vinyl Chloride	ND	0.035									
m&p-Xylene	ND	0.070									
o-Xylene	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*8.99*				*8.00*		*112*	*70-130*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B327630 - TO-15 Prep												
LCS (B327630-BS1)					Prepared: 01/03/23 Analyzed: 01/04/23							
Acetone	4.44				5.00		88.9		70-130			
Benzene	4.22				5.00		84.5		70-130			
Benzyl chloride	4.42				5.00		88.3		70-130			
Bromodichloromethane	4.14				5.00		82.8		70-130			
Bromoform	4.59				5.00		91.8		70-130			
Bromomethane	4.60				5.00		92.0		70-130			
1,3-Butadiene	4.57				5.00		91.4		70-130			
2-Butanone (MEK)	4.28				5.00		85.5		70-130			
Carbon Disulfide	4.66				5.00		93.1		70-130			
Carbon Tetrachloride	4.23				5.00		84.5		70-130			
Chlorobenzene	4.09				5.00		81.8		70-130			
Chloroethane	4.65				5.00		93.1		70-130			
Chloroform	4.68				5.00		93.5		70-130			
Chloromethane	4.37				5.00		87.4		70-130			
Cyclohexane	4.34				5.00		86.8		70-130			
Dibromochloromethane	4.35				5.00		87.0		70-130			
1,2-Dibromoethane (EDB)	4.13				5.00		82.5		70-130			
1,2-Dichlorobenzene	4.63				5.00		92.6		70-130			
1,3-Dichlorobenzene	4.68				5.00		93.7		70-130			
1,4-Dichlorobenzene	4.73				5.00		94.6		70-130			
Dichlorodifluoromethane (Freon 12)	4.95				5.00		99.0		70-130			
1,1-Dichloroethane	4.65				5.00		92.9		70-130			
1,2-Dichloroethane	4.93				5.00		98.6		70-130			
1,1-Dichloroethylene	4.88				5.00		97.7		70-130			
cis-1,2-Dichloroethylene	4.80				5.00		95.9		70-130			
trans-1,2-Dichloroethylene	4.79				5.00		95.8		70-130			
1,2-Dichloropropane	4.17				5.00		83.4		70-130			
cis-1,3-Dichloropropene	4.25				5.00		85.0		70-130			
trans-1,3-Dichloropropene	4.32				5.00		86.4		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.28				5.00		85.6		70-130			
1,4-Dioxane	4.26				5.00		85.2		70-130			
Ethanol	3.48				5.00		**69.6**	*	70-130			L-03
Ethyl Acetate	4.53				5.00		90.7		70-130			
Ethylbenzene	4.34				5.00		86.9		70-130			
4-Ethyltoluene	4.68				5.00		93.6		70-130			
Heptane	4.34				5.00		86.9		70-130			
Hexachlorobutadiene	4.06				5.00		81.2		70-130			
Hexane	4.96				5.00		99.3		70-130			
2-Hexanone (MBK)	3.91				5.00		78.2		70-130			
Isopropanol	3.75				5.00		75.1		70-130			
Methyl tert-Butyl Ether (MTBE)	4.71				5.00		94.1		70-130			
Methylene Chloride	4.29				5.00		85.8		70-130			
4-Methyl-2-pentanone (MIBK)	4.00				5.00		80.0		70-130			
Naphthalene	4.86				5.00		97.1		70-130			
Propene	3.58				5.00		71.7		70-130			
Styrene	4.62				5.00		92.3		70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B327630 - TO-15 Prep											
LCS (B327630-BS1)					Prepared: 01/03/23 Analyzed: 01/04/23						
1,1,2,2-Tetrachloroethane	3.89				5.00		77.8	70-130			
Tetrachloroethylene	4.50				5.00		90.1	70-130			B
Tetrahydrofuran	4.81				5.00		96.2	70-130			
Toluene	4.21				5.00		84.2	70-130			
1,2,4-Trichlorobenzene	4.17				5.00		83.4	70-130			
1,1,1-Trichloroethane	4.02				5.00		80.3	70-130			
1,1,2-Trichloroethane	3.94				5.00		78.7	70-130			
Trichloroethylene	4.31				5.00		86.2	70-130			
Trichlorofluoromethane (Freon 11)	4.77				5.00		95.4	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.59				5.00		91.9	70-130			
1,2,4-Trimethylbenzene	4.69				5.00		93.7	70-130			
1,3,5-Trimethylbenzene	4.66				5.00		93.2	70-130			
Vinyl Acetate	3.64				5.00		72.9	70-130			
Vinyl Chloride	4.74				5.00		94.8	70-130			
m&p-Xylene	9.03				10.0		90.3	70-130			
o-Xylene	4.51				5.00		90.2	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*9.20*				*8.00*		*115*	*70-130*			
Batch B327737 - TO-15 Prep											
Blank (B327737-BLK1)					Prepared & Analyzed: 01/04/23						
Acetone	ND	1.4									
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.35									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.070									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									

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Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B327737 - TO-15 Prep											
Blank (B327737-BLK1)					Prepared & Analyzed: 01/04/23						
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									
Ethyl Acetate	ND	0.35									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.35									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Propene	ND	1.4									
Styrene	ND	0.035									
1,1,2,2-Tetrachloroethane	ND	0.035									
Tetrachloroethylene	ND	0.035									
Tetrahydrofuran	ND	0.35									
Toluene	ND	0.035									
1,2,4-Trichlorobenzene	ND	0.035									
1,1,1-Trichloroethane	ND	0.035									
1,1,2-Trichloroethane	ND	0.035									
Trichloroethylene	ND	0.035									
Trichlorofluoromethane (Freon 11)	ND	0.14									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14									
1,2,4-Trimethylbenzene	ND	0.035									
1,3,5-Trimethylbenzene	ND	0.035									
Vinyl Acetate	ND	0.70									
Vinyl Chloride	ND	0.035									
m&p-Xylene	ND	0.070									
o-Xylene	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*8.95*				*8.00*		*112*	*70-130*			

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B327737 - TO-15 Prep											
LCS (B327737-BS1)					Prepared & Analyzed: 01/04/23						
Acetone	4.72				5.00		94.4	70-130			
Benzene	4.30				5.00		86.1	70-130			
Benzyl chloride	4.55				5.00		91.1	70-130			
Bromodichloromethane	4.23				5.00		84.6	70-130			
Bromoform	4.78				5.00		95.5	70-130			
Bromomethane	5.08				5.00		102	70-130			
1,3-Butadiene	4.91				5.00		98.2	70-130			
2-Butanone (MEK)	4.41				5.00		88.3	70-130			
Carbon Disulfide	4.70				5.00		94.0	70-130			
Carbon Tetrachloride	4.31				5.00		86.2	70-130			
Chlorobenzene	4.16				5.00		83.3	70-130			
Chloroethane	5.08				5.00		102	70-130			
Chloroform	4.73				5.00		94.6	70-130			
Chloromethane	4.66				5.00		93.1	70-130			
Cyclohexane	4.37				5.00		87.4	70-130			
Dibromochloromethane	4.40				5.00		88.0	70-130			
1,2-Dibromoethane (EDB)	4.12				5.00		82.4	70-130			
1,2-Dichlorobenzene	4.74				5.00		94.7	70-130			
1,3-Dichlorobenzene	4.88				5.00		97.5	70-130			
1,4-Dichlorobenzene	4.95				5.00		99.0	70-130			
Dichlorodifluoromethane (Freon 12)	4.95				5.00		99.0	70-130			
1,1-Dichloroethane	4.71				5.00		94.2	70-130			
1,2-Dichloroethane	4.98				5.00		99.6	70-130			
1,1-Dichloroethylene	5.39				5.00		108	70-130			
cis-1,2-Dichloroethylene	4.79				5.00		95.8	70-130			
trans-1,2-Dichloroethylene	4.79				5.00		95.8	70-130			
1,2-Dichloropropane	4.29				5.00		85.8	70-130			
cis-1,3-Dichloropropene	4.28				5.00		85.5	70-130			
trans-1,3-Dichloropropene	4.41				5.00		88.2	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.69				5.00		93.8	70-130			
1,4-Dioxane	4.32				5.00		86.3	70-130			
Ethanol	3.65				5.00		73.0	70-130			
Ethyl Acetate	4.56				5.00		91.2	70-130			
Ethylbenzene	4.37				5.00		87.5	70-130			
4-Ethyltoluene	4.78				5.00		95.7	70-130			
Heptane	4.49				5.00		89.8	70-130			
Hexachlorobutadiene	4.29				5.00		85.9	70-130			
Hexane	5.01				5.00		100	70-130			
2-Hexanone (MBK)	3.98				5.00		79.6	70-130			
Isopropanol	3.92				5.00		78.4	70-130			
Methyl tert-Butyl Ether (MTBE)	4.69				5.00		93.8	70-130			
Methylene Chloride	4.26				5.00		85.1	70-130			
4-Methyl-2-pentanone (MIBK)	4.16				5.00		83.1	70-130			
Naphthalene	4.77				5.00		95.3	70-130			
Propene	3.52				5.00		70.3	70-130			
Styrene	4.74				5.00		94.8	70-130			

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Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B327737 - TO-15 Prep											
LCS (B327737-BS1)					Prepared & Analyzed: 01/04/23						
1,1,2,2-Tetrachloroethane	4.07				5.00		81.4	70-130			
Tetrachloroethylene	4.43				5.00		88.5	70-130			
Tetrahydrofuran	4.81				5.00		96.2	70-130			
Toluene	4.21				5.00		84.2	70-130			
1,2,4-Trichlorobenzene	4.26				5.00		85.2	70-130			
1,1,1-Trichloroethane	4.12				5.00		82.3	70-130			
1,1,2-Trichloroethane	3.94				5.00		78.8	70-130			
Trichloroethylene	4.38				5.00		87.5	70-130			
Trichlorofluoromethane (Freon 11)	5.18				5.00		104	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.64				5.00		92.9	70-130			
1,2,4-Trimethylbenzene	4.78				5.00		95.6	70-130			
1,3,5-Trimethylbenzene	4.79				5.00		95.8	70-130			
Vinyl Acetate	3.73				5.00		74.7	70-130			
Vinyl Chloride	5.09				5.00		102	70-130			
m&p-Xylene	9.20				10.0		92.0	70-130			
o-Xylene	4.67				5.00		93.4	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*9.22*				*8.00*		*115*	*70-130*			

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Note: Blank Subtraction is not performed unless otherwise noted

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
B	Analyte is found in the associated laboratory blank as well as in the sample.
B-07	Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
RL-11	Elevated reporting limit due to high concentration of target compounds.
RL-12	Elevated reporting limit due to matrix interference.

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ANALYST

RJM	Raymond J. McCarthy
STATION	PDF Management Station
LR	Lionel Rios
CMR	Catherine M. Rouleau
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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S076501-ICV1)			Lab File ID: G22A256016.D			Analyzed: 09/13/22 22:00			
Bromochloromethane (1)	1141026	8.307	1141026	8.307	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2751702	10.081	2751702	10.081	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2471195	14.446	2471195	14.446	100	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S081499-CCV1)			Lab File ID: G23A003004.D			Analyzed: 01/03/23 12:11			
Bromochloromethane (1)	1100619	8.301	1100619	8.301	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2856416	10.075	2856416	10.075	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2755822	14.44	2755822	14.44	100	60 - 140	0.0000	+/-0.50	
LCS (B327586-BS1)			Lab File ID: G23A003005.D			Analyzed: 01/03/23 12:51			
Bromochloromethane (1)	1100719	8.307	1100619	8.301	100	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2881676	10.081	2856416	10.075	101	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2743516	14.439	2755822	14.44	100	60 - 140	-0.0010	+/-0.50	
Blank (B327586-BLK1)			Lab File ID: G23A003008.D			Analyzed: 01/03/23 14:59			
Bromochloromethane (1)	1025185	8.307	1100619	8.301	93	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2624697	10.075	2856416	10.075	92	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2531338	14.44	2755822	14.44	92	60 - 140	0.0000	+/-0.50	
SVE-5 (22L3188-05)			Lab File ID: G23A003009.D			Analyzed: 01/03/23 15:40			
Bromochloromethane (1)	1009428	8.307	1100619	8.301	92	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2601950	10.075	2856416	10.075	91	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2497260	14.44	2755822	14.44	91	60 - 140	0.0000	+/-0.50	
SVE-1 (22L3188-01)			Lab File ID: G23A003010.D			Analyzed: 01/03/23 16:20			
Bromochloromethane (1)	1014895	8.313	1100619	8.301	92	60 - 140	0.0120	+/-0.50	
1,4-Difluorobenzene (1)	2641009	10.081	2856416	10.075	92	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2542852	14.446	2755822	14.44	92	60 - 140	0.0060	+/-0.50	
SVE-3 (22L3188-03)			Lab File ID: G23A003011.D			Analyzed: 01/03/23 17:01			
Bromochloromethane (1)	1047460	8.307	1100619	8.301	95	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2744171	10.081	2856416	10.075	96	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2619203	14.44	2755822	14.44	95	60 - 140	0.0000	+/-0.50	
Duplicate (B327586-DUP1)			Lab File ID: G23A003012.D			Analyzed: 01/03/23 17:41			
Bromochloromethane (1)	1043822	8.313	1100619	8.301	95	60 - 140	0.0120	+/-0.50	
1,4-Difluorobenzene (1)	2809925	10.081	2856416	10.075	98	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2701683	14.446	2755822	14.44	98	60 - 140	0.0060	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
SVE-18 (22L3188-18)			Lab File ID: G23A003013.D			Analyzed: 01/03/23 18:21			
Bromochloromethane (1)	1059076	8.307	1100619	8.301	96	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2906494	10.081	2856416	10.075	102	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2802639	14.446	2755822	14.44	102	60 - 140	0.0060	+/-0.50	
SVE-2 (22L3188-02)			Lab File ID: G23A003015.D			Analyzed: 01/03/23 19:39			
Bromochloromethane (1)	1003385	8.307	1100619	8.301	91	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2699959	10.081	2856416	10.075	95	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2644779	14.446	2755822	14.44	96	60 - 140	0.0060	+/-0.50	
SVE-4 (22L3188-04)			Lab File ID: G23A003016.D			Analyzed: 01/03/23 20:18			
Bromochloromethane (1)	1017796	8.307	1100619	8.301	92	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2771439	10.081	2856416	10.075	97	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2659038	14.446	2755822	14.44	96	60 - 140	0.0060	+/-0.50	
SVE-6 (22L3188-06)			Lab File ID: G23A003017.D			Analyzed: 01/03/23 20:58			
Bromochloromethane (1)	1030363	8.307	1100619	8.301	94	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2783774	10.075	2856416	10.075	97	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2646630	14.44	2755822	14.44	96	60 - 140	0.0000	+/-0.50	
SVE-13 (22L3188-13)			Lab File ID: G23A003018.D			Analyzed: 01/03/23 21:37			
Bromochloromethane (1)	1016864	8.307	1100619	8.301	92	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2718660	10.075	2856416	10.075	95	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2644527	14.44	2755822	14.44	96	60 - 140	0.0000	+/-0.50	
SVE-16 (22L3188-16)			Lab File ID: G23A003019.D			Analyzed: 01/03/23 22:16			
Bromochloromethane (1)	1007214	8.307	1100619	8.301	92	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2749978	10.075	2856416	10.075	96	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2665712	14.44	2755822	14.44	97	60 - 140	0.0000	+/-0.50	
SVE-17 (22L3188-17)			Lab File ID: G23A003020.D			Analyzed: 01/03/23 22:55			
Bromochloromethane (1)	1008576	8.307	1100619	8.301	92	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2756996	10.075	2856416	10.075	97	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2652595	14.44	2755822	14.44	96	60 - 140	0.0000	+/-0.50	
SVE-8 (22L3188-08)			Lab File ID: G23A003022.D			Analyzed: 01/04/23 00:17			
Bromochloromethane (1)	948468	8.307	1100619	8.301	86	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2503428	10.075	2856416	10.075	88	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2403880	14.44	2755822	14.44	87	60 - 140	0.0000	+/-0.50	
SVE-9 (22L3188-09)			Lab File ID: G23A003023.D			Analyzed: 01/04/23 01:00			
Bromochloromethane (1)	964485	8.307	1100619	8.301	88	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2587912	10.075	2856416	10.075	91	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2466478	14.44	2755822	14.44	90	60 - 140	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
SVE-14 (22L3188-14)			Lab File ID: G23A003024.D			Analyzed: 01/04/23 01:43			
Bromochloromethane (1)	971688	8.307	1100619	8.301	88	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2552999	10.075	2856416	10.075	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2553552	14.44	2755822	14.44	93	60 - 140	0.0000	+/-0.50	
SVE-15 (22L3188-15)			Lab File ID: G23A003025.D			Analyzed: 01/04/23 02:26			
Bromochloromethane (1)	979811	8.307	1100619	8.301	89	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2569855	10.075	2856416	10.075	90	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2469875	14.44	2755822	14.44	90	60 - 140	0.0000	+/-0.50	
SVE-14 DUP (22L3188-19)			Lab File ID: G23A003026.D			Analyzed: 01/04/23 03:09			
Bromochloromethane (1)	956594	8.307	1100619	8.301	87	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2486916	10.075	2856416	10.075	87	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2439143	14.44	2755822	14.44	89	60 - 140	0.0000	+/-0.50	
Influent (22L3188-20)			Lab File ID: G23A003027.D			Analyzed: 01/04/23 03:52			
Bromochloromethane (1)	987323	8.307	1100619	8.301	90	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2709372	10.075	2856416	10.075	95	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2571803	14.44	2755822	14.44	93	60 - 140	0.0000	+/-0.50	
Effluent (22L3188-21)			Lab File ID: G23A003028.D			Analyzed: 01/04/23 04:35			
Bromochloromethane (1)	950720	8.307	1100619	8.301	86	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2547133	10.075	2856416	10.075	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2479255	14.44	2755822	14.44	90	60 - 140	0.0000	+/-0.50	
Effluent DUP (22L3188-22)			Lab File ID: G23A003029.D			Analyzed: 01/04/23 05:18			
Bromochloromethane (1)	928591	8.307	1100619	8.301	84	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2430777	10.075	2856416	10.075	85	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2380002	14.44	2755822	14.44	86	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S081511-CCV1)			Lab File ID: G23A003004.D			Analyzed: 01/03/23 12:11			
Bromochloromethane (1)	1100619	8.301	1100619	8.301	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2856416	10.075	2856416	10.075	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2755822	14.44	2755822	14.44	100	60 - 140	0.0000	+/-0.50	
LCS (B327630-BS1)			Lab File ID: G23A003030.D			Analyzed: 01/04/23 05:58			
Bromochloromethane (1)	942488	8.307	1100619	8.301	86	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2492068	10.075	2856416	10.075	87	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2363918	14.44	2755822	14.44	86	60 - 140	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Blank (B327630-BLK1)			Lab File ID: G23A003032.D			Analyzed: 01/04/23 07:23			
Bromochloromethane (1)	914945	8.307	1100619	8.301	83	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2430561	10.075	2856416	10.075	85	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2291996	14.44	2755822	14.44	83	60 - 140	0.0000	+/-0.50	
SVE-10 (22L3188-10)			Lab File ID: G23A003033.D			Analyzed: 01/04/23 08:05			
Bromochloromethane (1)	896200	8.307	1100619	8.301	81	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2343443	10.075	2856416	10.075	82	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2262630	14.446	2755822	14.44	82	60 - 140	0.0060	+/-0.50	
SVE-11 (22L3188-11)			Lab File ID: G23A003034.D			Analyzed: 01/04/23 08:46			
Bromochloromethane (1)	959052	8.301	1100619	8.301	87	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2550014	10.075	2856416	10.075	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2481113	14.446	2755822	14.44	90	60 - 140	0.0060	+/-0.50	
SVE-12 (22L3188-12)			Lab File ID: G23A003035.D			Analyzed: 01/04/23 09:28			
Bromochloromethane (1)	953617	8.307	1100619	8.301	87	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2592968	10.075	2856416	10.075	91	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2521794	14.446	2755822	14.44	92	60 - 140	0.0060	+/-0.50	
SVE-7 (22L3188-07)			Lab File ID: G23A003036.D			Analyzed: 01/04/23 10:08			
Bromochloromethane (1)	934349	8.307	1100619	8.301	85	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2446605	10.075	2856416	10.075	86	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2394486	14.446	2755822	14.44	87	60 - 140	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S081529-CCV1)			Lab File ID: G23A004004.D			Analyzed: 01/04/23 14:17			
Bromochloromethane (1)	944492	8.307	944492	8.307	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2534196	10.075	2534196	10.075	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2439430	14.44	2439430	14.44	100	60 - 140	0.0000	+/-0.50	
LCS (B327737-BS1)			Lab File ID: G23A004005.D			Analyzed: 01/04/23 14:56			
Bromochloromethane (1)	897661	8.307	944492	8.307	95	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2332360	10.075	2534196	10.075	92	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2263302	14.44	2439430	14.44	93	60 - 140	0.0000	+/-0.50	
Blank (B327737-BLK1)			Lab File ID: G23A004008.D			Analyzed: 01/04/23 17:05			
Bromochloromethane (1)	861059	8.313	944492	8.307	91	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2238233	10.081	2534196	10.075	88	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2131580	14.44	2439430	14.44	87	60 - 140	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
SVE-16 (22L3188-16RE1)			Lab File ID: G23A004021.D			Analyzed: 01/05/23 01:58			
Bromochloromethane (1)	818958	8.307	944492	8.307	87	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2081315	10.075	2534196	10.075	82	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2018685	14.44	2439430	14.44	83	60 - 140	0.0000	+/-0.50	
SVE-17 (22L3188-17RE1)			Lab File ID: G23A004022.D			Analyzed: 01/05/23 02:39			
Bromochloromethane (1)	860933	8.307	944492	8.307	91	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2287670	10.075	2534196	10.075	90	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2203430	14.44	2439430	14.44	90	60 - 140	0.0000	+/-0.50	
SVE-14 DUP (22L3188-19RE1)			Lab File ID: G23A004023.D			Analyzed: 01/05/23 03:20			
Bromochloromethane (1)	863132	8.307	944492	8.307	91	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2251845	10.074	2534196	10.075	89	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	2228135	14.44	2439430	14.44	91	60 - 140	0.0000	+/-0.50	
Influent (22L3188-20RE1)			Lab File ID: G23A004024.D			Analyzed: 01/05/23 04:01			
Bromochloromethane (1)	833884	8.307	944492	8.307	88	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2145373	10.075	2534196	10.075	85	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2070061	14.44	2439430	14.44	85	60 - 140	0.0000	+/-0.50	
Effluent (22L3188-21RE1)			Lab File ID: G23A004025.D			Analyzed: 01/05/23 04:42			
Bromochloromethane (1)	839071	8.307	944492	8.307	89	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2248751	10.075	2534196	10.075	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2207577	14.44	2439430	14.44	90	60 - 140	0.0000	+/-0.50	
Effluent DUP (22L3188-22RE1)			Lab File ID: G23A004026.D			Analyzed: 01/05/23 05:22			
Bromochloromethane (1)	810444	8.307	944492	8.307	86	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2060136	10.075	2534196	10.075	81	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2006136	14.44	2439430	14.44	82	60 - 140	0.0000	+/-0.50	
SVE-14 (22L3188-14RE1)			Lab File ID: G23A004027.D			Analyzed: 01/05/23 06:03			
Bromochloromethane (1)	827718	8.307	944492	8.307	88	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2081247	10.081	2534196	10.075	82	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2061177	14.446	2439430	14.44	84	60 - 140	0.0060	+/-0.50	
SVE-15 (22L3188-15RE1)			Lab File ID: G23A004028.D			Analyzed: 01/05/23 06:44			
Bromochloromethane (1)	840351	8.307	944492	8.307	89	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2160736	10.081	2534196	10.075	85	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2102697	14.446	2439430	14.44	86	60 - 140	0.0060	+/-0.50	
SVE-10 (22L3188-10RE1)			Lab File ID: G23A004029.D			Analyzed: 01/05/23 07:24			
Bromochloromethane (1)	819908	8.307	944492	8.307	87	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2102578	10.081	2534196	10.075	83	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2025735	14.446	2439430	14.44	83	60 - 140	0.0060	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
SVE-11 (22L3188-11RE1)			Lab File ID: G23A004030.D			Analyzed: 01/05/23 08:04			
Bromochloromethane (1)	833617	8.307	944492	8.307	88	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2149568	10.075	2534196	10.075	85	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2087036	14.44	2439430	14.44	86	60 - 140	0.0000	+/-0.50	
SVE-12 (22L3188-12RE1)			Lab File ID: G23A004031.D			Analyzed: 01/05/23 08:44			
Bromochloromethane (1)	840538	8.307	944492	8.307	89	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2255917	10.075	2534196	10.075	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2184268	14.446	2439430	14.44	90	60 - 140	0.0060	+/-0.50	
SVE-7 (22L3188-07RE1)			Lab File ID: G23A004032.D			Analyzed: 01/05/23 09:24			
Bromochloromethane (1)	799036	8.307	944492	8.307	85	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2033350	10.081	2534196	10.075	80	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	1955990	14.446	2439430	14.44	80	60 - 140	0.0060	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S081499-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.92	1.084004	1.066963		-1.6	30
Benzene	A	5.00	4.66	0.9129288	0.8518311		-6.7	30
Benzyl chloride	A	5.00	5.42	1.030942	1.118319		8.5	30
Bromodichloromethane	A	5.00	4.58	0.6953811	0.6373273		-8.3	30
Bromoform	A	5.00	5.11	0.5656468	0.5781447		2.2	30
Bromomethane	A	5.00	4.80	0.6009459	0.5763535		-4.1	30
1,3-Butadiene	A	5.00	4.92	0.5443004	0.5352377		-1.7	30
2-Butanone (MEK)	A	5.00	4.80	1.507683	1.447574		-4.0	30
Carbon Disulfide	A	5.00	4.81	2.02748	1.951466		-3.7	30
Carbon Tetrachloride	A	5.00	4.80	0.5479998	0.5264264		-3.9	30
Chlorobenzene	A	5.00	4.57	0.8809329	0.8049019		-8.6	30
Chloroethane	A	5.00	4.77	0.3452967	0.3296516		-4.5	30
Chloroform	A	5.00	4.91	1.561184	1.532749		-1.8	30
Chloromethane	A	5.00	4.79	0.6821899	0.654125		-4.1	30
Cyclohexane	A	5.00	4.81	0.3600845	0.3462997		-3.8	30
Dibromochloromethane	A	5.00	4.73	0.6396581	0.6054098		-5.4	30
1,2-Dibromoethane (EDB)	A	5.00	4.56	0.6171207	0.5623098		-8.9	30
1,2-Dichlorobenzene	A	5.00	5.28	0.6937094	0.7327748		5.6	30
1,3-Dichlorobenzene	A	5.00	5.43	0.7409581	0.8049936		8.6	30
1,4-Dichlorobenzene	A	5.00	5.48	0.7218155	0.7909614		9.6	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.40	1.62808	1.759001		8.0	30
1,1-Dichloroethane	A	5.00	4.93	1.342742	1.324856		-1.3	30
1,2-Dichloroethane	A	5.00	5.23	0.9627523	1.007871		4.7	30
1,1-Dichloroethylene	A	5.00	5.51	1.140142	1.255842		10.1	30
cis-1,2-Dichloroethylene	A	5.00	5.13	0.9670963	0.9929365		2.7	30
trans-1,2-Dichloroethylene	A	5.00	5.13	1.001825	1.027125		2.5	30
1,2-Dichloropropane	A	5.00	4.57	0.3567989	0.3263631		-8.5	30
cis-1,3-Dichloropropene	A	5.00	4.85	0.5092852	0.4939824		-3.0	30
trans-1,3-Dichloropropene	A	5.00	4.84	0.4570981	0.4429226		-3.1	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	4.88	1.73998	1.698188		-2.4	30
1,4-Dioxane	A	5.00	4.71	0.1857641	0.1750372		-5.8	30
Ethanol	A	5.00	3.94	0.2343264	0.184462		-21.3	30
Ethyl Acetate	A	5.00	5.22	0.2308163	0.2411385		4.5	30
Ethylbenzene	A	5.00	4.88	1.455024	1.420543		-2.4	30
4-Ethyltoluene	A	5.00	5.35	1.413771	1.511954		6.9	30
Heptane	A	5.00	4.84	0.2850308	0.2756786		-3.3	30
Hexachlorobutadiene	A	5.00	5.12	0.4677459	0.4790446		2.4	30
Hexane	A	5.00	5.33	0.8985394	0.8999343		6.7	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S081499-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	4.54	0.7712864	0.7003134		-9.2	30
Isopropanol	A	5.00	4.77	1.338902	1.277698		-4.6	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	5.29	1.834723	1.93998		5.7	30
Methylene Chloride	A	5.00	4.43	0.9597215	0.8500278		-11.4	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.66	0.7726854	0.7198834		-6.8	30
Naphthalene	A	5.00	5.28	1.092246	1.152895		5.6	30
Propene	A	5.00	4.18	0.5941328	0.4970192		-16.3	30
Styrene	A	5.00	5.24	0.7890752	0.8263465		4.7	30
1,1,2,2-Tetrachloroethane	A	5.00	4.46	0.9851261	0.8776642		-10.9	30
Tetrachloroethylene	A	5.00	4.87	0.457194	0.4455103		-2.6	30
Tetrahydrofuran	A	5.00	5.12	0.2957092	0.3028056		2.4	30
Toluene	A	5.00	4.59	1.15399	1.0585		-8.3	30
1,2,4-Trichlorobenzene	A	5.00	5.03	0.4973623	0.5000393		0.5	30
1,1,1-Trichloroethane	A	5.00	4.62	0.5975698	0.5516961		-7.7	30
1,1,2-Trichloroethane	A	5.00	4.25	0.4162703	0.3537186		-15.0	30
Trichloroethylene	A	5.00	4.64	0.3947958	0.36642		-7.2	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.08	1.463327	1.486122		1.6	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.90	1.432547	1.405036		-1.9	30
1,2,4-Trimethylbenzene	A	5.00	5.39	1.156019	1.246347		7.8	30
1,3,5-Trimethylbenzene	A	5.00	5.35	1.190388	1.273962		7.0	30
Vinyl Acetate	A	5.00	4.43	1.986739	1.761211		-11.4	30
Vinyl Chloride	A	5.00	4.96	0.7142115	0.7084377		-0.8	30
m&p-Xylene	A	10.0	10.1	1.129066	1.143154		1.2	30
o-Xylene	A	5.00	5.09	1.138955	1.159692		1.8	30

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

* Values outside of QC limits

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CONTINUING CALIBRATION CHECK

EPA TO-15

S081511-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.92	1.084004	1.066963		-1.6	30
Benzene	A	5.00	4.66	0.9129288	0.8518311		-6.7	30
Benzyl chloride	A	5.00	5.42	1.030942	1.118319		8.5	30
Bromodichloromethane	A	5.00	4.58	0.6953811	0.6373273		-8.3	30
Bromoform	A	5.00	5.11	0.5656468	0.5781447		2.2	30
Bromomethane	A	5.00	4.80	0.6009459	0.5763535		-4.1	30
1,3-Butadiene	A	5.00	4.92	0.5443004	0.5352377		-1.7	30
2-Butanone (MEK)	A	5.00	4.80	1.507683	1.447574		-4.0	30
Carbon Disulfide	A	5.00	4.81	2.02748	1.951466		-3.7	30
Carbon Tetrachloride	A	5.00	4.80	0.5479998	0.5264264		-3.9	30
Chlorobenzene	A	5.00	4.57	0.8809329	0.8049019		-8.6	30
Chloroethane	A	5.00	4.77	0.3452967	0.3296516		-4.5	30
Chloroform	A	5.00	4.91	1.561184	1.532749		-1.8	30
Chloromethane	A	5.00	4.79	0.6821899	0.654125		-4.1	30
Cyclohexane	A	5.00	4.81	0.3600845	0.3462997		-3.8	30
Dibromochloromethane	A	5.00	4.73	0.6396581	0.6054098		-5.4	30
1,2-Dibromoethane (EDB)	A	5.00	4.56	0.6171207	0.5623098		-8.9	30
1,2-Dichlorobenzene	A	5.00	5.28	0.6937094	0.7327748		5.6	30
1,3-Dichlorobenzene	A	5.00	5.43	0.7409581	0.8049936		8.6	30
1,4-Dichlorobenzene	A	5.00	5.48	0.7218155	0.7909614		9.6	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.40	1.62808	1.759001		8.0	30
1,1-Dichloroethane	A	5.00	4.93	1.342742	1.324856		-1.3	30
1,2-Dichloroethane	A	5.00	5.23	0.9627523	1.007871		4.7	30
1,1-Dichloroethylene	A	5.00	5.51	1.140142	1.255842		10.1	30
cis-1,2-Dichloroethylene	A	5.00	5.13	0.9670963	0.9929365		2.7	30
trans-1,2-Dichloroethylene	A	5.00	5.13	1.001825	1.027125		2.5	30
1,2-Dichloropropane	A	5.00	4.57	0.3567989	0.3263631		-8.5	30
cis-1,3-Dichloropropene	A	5.00	4.85	0.5092852	0.4939824		-3.0	30
trans-1,3-Dichloropropene	A	5.00	4.84	0.4570981	0.4429226		-3.1	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	4.88	1.73998	1.698188		-2.4	30
1,4-Dioxane	A	5.00	4.71	0.1857641	0.1750372		-5.8	30
Ethanol	A	5.00	3.94	0.2343264	0.184462		-21.3	30
Ethyl Acetate	A	5.00	5.22	0.2308163	0.2411385		4.5	30
Ethylbenzene	A	5.00	4.88	1.455024	1.420543		-2.4	30
4-Ethyltoluene	A	5.00	5.35	1.413771	1.511954		6.9	30
Heptane	A	5.00	4.84	0.2850308	0.2756786		-3.3	30
Hexachlorobutadiene	A	5.00	5.12	0.4677459	0.4790446		2.4	30
Hexane	A	5.00	5.33	0.8985394	0.8999343		6.7	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S081511-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	4.54	0.7712864	0.7003134		-9.2	30
Isopropanol	A	5.00	4.77	1.338902	1.277698		-4.6	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	5.29	1.834723	1.93998		5.7	30
Methylene Chloride	A	5.00	4.43	0.9597215	0.8500278		-11.4	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.66	0.7726854	0.7198834		-6.8	30
Naphthalene	A	5.00	5.28	1.092246	1.152895		5.6	30
Propene	A	5.00	4.18	0.5941328	0.4970192		-16.3	30
Styrene	A	5.00	5.24	0.7890752	0.8263465		4.7	30
1,1,2,2-Tetrachloroethane	A	5.00	4.46	0.9851261	0.8776642		-10.9	30
Tetrachloroethylene	A	5.00	4.87	0.457194	0.4455103		-2.6	30
Tetrahydrofuran	A	5.00	5.12	0.2957092	0.3028056		2.4	30
Toluene	A	5.00	4.59	1.15399	1.0585		-8.3	30
1,2,4-Trichlorobenzene	A	5.00	5.03	0.4973623	0.5000393		0.5	30
1,1,1-Trichloroethane	A	5.00	4.62	0.5975698	0.5516961		-7.7	30
1,1,2-Trichloroethane	A	5.00	4.25	0.4162703	0.3537186		-15.0	30
Trichloroethylene	A	5.00	4.64	0.3947958	0.36642		-7.2	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.08	1.463327	1.486122		1.6	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.90	1.432547	1.405036		-1.9	30
1,2,4-Trimethylbenzene	A	5.00	5.39	1.156019	1.246347		7.8	30
1,3,5-Trimethylbenzene	A	5.00	5.35	1.190388	1.273962		7.0	30
Vinyl Acetate	A	5.00	4.43	1.986739	1.761211		-11.4	30
Vinyl Chloride	A	5.00	4.96	0.7142115	0.7084377		-0.8	30
m&p-Xylene	A	10.0	10.1	1.129066	1.143154		1.2	30
o-Xylene	A	5.00	5.09	1.138955	1.159692		1.8	30

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

* Values outside of QC limits

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CONTINUING CALIBRATION CHECK

EPA TO-15

S081529-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	5.12	1.084004	1.110276		2.4	30
Benzene	A	5.00	4.42	0.9129288	0.8064481		-11.7	30
Benzyl chloride	A	5.00	4.98	1.030942	1.026741		-0.4	30
Bromodichloromethane	A	5.00	4.38	0.6953811	0.6089669		-12.4	30
Bromoform	A	5.00	5.05	0.5656468	0.5711938		1.0	30
Bromomethane	A	5.00	5.40	0.6009459	0.6492548		8.0	30
1,3-Butadiene	A	5.00	5.28	0.5443004	0.5745141		5.6	30
2-Butanone (MEK)	A	5.00	4.60	1.507683	1.388676		-7.9	30
Carbon Disulfide	A	5.00	4.81	2.02748	1.949276		-3.9	30
Carbon Tetrachloride	A	5.00	4.64	0.5479998	0.5089412		-7.1	30
Chlorobenzene	A	5.00	4.44	0.8809329	0.7822778		-11.2	30
Chloroethane	A	5.00	5.20	0.3452967	0.3594855		4.1	30
Chloroform	A	5.00	4.94	1.561184	1.54283		-1.2	30
Chloromethane	A	5.00	5.02	0.6821899	0.6844043		0.3	30
Cyclohexane	A	5.00	4.55	0.3600845	0.3278585		-8.9	30
Dibromochloromethane	A	5.00	4.65	0.6396581	0.594979		-7.0	30
1,2-Dibromoethane (EDB)	A	5.00	4.39	0.6171207	0.5415206		-12.3	30
1,2-Dichlorobenzene	A	5.00	5.08	0.6937094	0.7041612		1.5	30
1,3-Dichlorobenzene	A	5.00	5.28	0.7409581	0.7824011		5.6	30
1,4-Dichlorobenzene	A	5.00	5.29	0.7218155	0.7636709		5.8	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.38	1.62808	1.752697		7.7	30
1,1-Dichloroethane	A	5.00	4.85	1.342742	1.302941		-3.0	30
1,2-Dichloroethane	A	5.00	5.13	0.9627523	0.9870347		2.5	30
1,1-Dichloroethylene	A	5.00	5.50	1.140142	1.253084		9.9	30
cis-1,2-Dichloroethylene	A	5.00	4.98	0.9670963	0.9628643		-0.4	30
trans-1,2-Dichloroethylene	A	5.00	4.98	1.001825	0.9978935		-0.4	30
1,2-Dichloropropane	A	5.00	4.30	0.3567989	0.3067135		-14.0	30
cis-1,3-Dichloropropene	A	5.00	4.57	0.5092852	0.4655829		-8.6	30
trans-1,3-Dichloropropene	A	5.00	4.52	0.4570981	0.4129954		-9.6	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.47	1.73998	1.902483		9.3	30
1,4-Dioxane	A	5.00	4.41	0.1857641	0.1637202		-11.9	30
Ethanol	A	5.00	4.12	0.2343264	0.1929435		-17.7	30
Ethyl Acetate	A	5.00	5.14	0.2308163	0.2371086		2.7	30
Ethylbenzene	A	5.00	4.68	1.455024	1.362444		-6.4	30
4-Ethyltoluene	A	5.00	5.13	1.413771	1.44979		2.5	30
Heptane	A	5.00	4.58	0.2850308	0.2609774		-8.4	30
Hexachlorobutadiene	A	5.00	4.83	0.4677459	0.4522427		-3.3	30
Hexane	A	5.00	5.17	0.8985394	0.8717948		3.3	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S081529-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	4.18	0.7712864	0.6442233		-16.5	30
Isopropanol	A	5.00	4.93	1.338902	1.320852		-1.3	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	5.09	1.834723	1.868828		1.9	30
Methylene Chloride	A	5.00	4.37	0.9597215	0.8382699		-12.7	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.31	0.7726854	0.6655845		-13.9	30
Naphthalene	A	5.00	4.94	1.092246	1.079651		-1.2	30
Propene	A	5.00	3.76	0.5941328	0.4471771		-24.7	30
Styrene	A	5.00	5.03	0.7890752	0.7936484		0.6	30
1,1,2,2-Tetrachloroethane	A	5.00	4.36	0.9851261	0.8594755		-12.8	30
Tetrachloroethylene	A	5.00	4.72	0.457194	0.4318097		-5.6	30
Tetrahydrofuran	A	5.00	4.99	0.2957092	0.2951343		-0.2	30
Toluene	A	5.00	4.43	1.15399	1.022301		-11.4	30
1,2,4-Trichlorobenzene	A	5.00	4.72	0.4973623	0.4698193		-5.5	30
1,1,1-Trichloroethane	A	5.00	4.46	0.5975698	0.53319		-10.8	30
1,1,2-Trichloroethane	A	5.00	4.09	0.4162703	0.3407065		-18.2	30
Trichloroethylene	A	5.00	4.43	0.3947958	0.3494372		-11.5	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.64	1.463327	1.650843		12.8	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.02	1.432547	1.438281		0.4	30
1,2,4-Trimethylbenzene	A	5.00	5.18	1.156019	1.197118		3.6	30
1,3,5-Trimethylbenzene	A	5.00	5.17	1.190388	1.230369		3.4	30
Vinyl Acetate	A	5.00	4.29	1.986739	1.705552		-14.2	30
Vinyl Chloride	A	5.00	5.42	0.7142115	0.7749232		8.5	30
m&p-Xylene	A	10.0	9.77	1.129066	1.102748		-2.3	30
o-Xylene	A	5.00	4.93	1.138955	1.122782		-1.4	30

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

* Values outside of QC limits

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Acetone	AIHA,NY,ME,NH
Benzene	AIHA,FL,NJ,NY,ME,NH,VA
Benzyl chloride	AIHA,FL,NJ,NY,ME,NH,VA
Bromodichloromethane	AIHA,NJ,NY,ME,NH,VA
Bromoform	AIHA,NJ,NY,ME,NH,VA
Bromomethane	AIHA,FL,NJ,NY,ME,NH
1,3-Butadiene	AIHA,NJ,NY,ME,NH,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,ME,NH,VA
Carbon Disulfide	AIHA,NJ,NY,ME,NH,VA
Carbon Tetrachloride	AIHA,FL,NJ,NY,ME,NH,VA
Chlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Chloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Chloroform	AIHA,FL,NJ,NY,ME,NH,VA
Chloromethane	AIHA,FL,NJ,NY,ME,NH,VA
Cyclohexane	AIHA,NJ,NY,ME,NH,VA
Dibromochloromethane	AIHA,NY,ME,NH
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME,NH
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	AIHA,NJ,NY,ME,NH
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME,NH
1,1-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,ME,NH,VA
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	AIHA,NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA,NJ
Heptane	AIHA,NJ,NY,ME,NH,VA
Hexachlorobutadiene	AIHA,NJ,NY,ME,NH,VA
Hexane	AIHA,FL,NJ,NY,ME,NH,VA
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,ME,NH,VA
Methylene Chloride	AIHA,FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,ME,NH,VA

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Tetrachloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Tetrahydrofuran	AIHA
Toluene	AIHA,FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	AIHA,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Trichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	AIHA,NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	AIHA,NJ,NY,ME,NH
1,3,5-Trimethylbenzene	AIHA,NJ,NY,ME,NH
Vinyl Acetate	AIHA,FL,NJ,NY,ME,NH,VA
Vinyl Chloride	AIHA,FL,NJ,NY,ME,NH,VA
m&p-Xylene	AIHA,FL,NJ,NY,ME,NH,VA
o-Xylene	AIHA,FL,NJ,NY,ME,NH,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023

con-test ANALYTICAL LABORATORY

http://www.contestlabs.com

Doc #378 Rev 1_03242017

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 3

22L3188

Company Name: NYS DEC DER
Address: 625 Broadway Albany NY 12233
Phone: (518) 402-9513
Project Name: Stanbs Textile.
Project Location: 935 E. Main St Rochester NY
Project Number: Jasmine Stefansky
Project Manager: 828660 Callout ED
Con-Test Quote Name/Number:
Invoice Recipient: Jasmine.Stefansky@dec.ny.gov
Sampled By: Ryan Glass

Requested Turnaround Time: 7-Day ☒ 10-Day ☐ Due Date:
Rush Approval Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐
Data Delivery: Format: PDF ☐ EXCEL ☐ Other: CLP Like Data Pkg Required: ☐ Email To: Fax To #:

ANALYSIS REQUESTED: TO 14/15 Standard low levels

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Lab Use: Con-Test Work Order#	Client Use: Client Sample ID / Description	Collection Data: Beginning Date/Time	Ending Date/Time	Duration: Total Minutes Sampled	Flow Rate (☐ m³/min ☐ L/min)	Matrix: Code	Volume (☐ Liters ☐ m³)	TO 14/15 Standard low levels				Initial Pressure (" Hg)	Final Pressure (" Hg)	Lab Receipt Pressure (" Hg)	Summa Can ID	Flow Controller ID
1	SVE1	12/19/22 11:20	11:45	25		SG		X				-28	-4	2/0	2262	4350
2	SVE2	12/19/22 11:23	11:52	24		SG		X				-29	-3	2/0	2420	4344
3	SVE3	12/19/22 11:26	11:54			SG		X				-30	-4	2/0	2274	4328
4	SVE4	12/19/22 11:29	11:55			SG		X				-29	-4	2/0	2429	4340
5	SVE5	12/19/22 11:57	12:14	24		SG		X				-29	-5	2/0	2352	4118
6	SVE6	12/19/22 12:02	12:32			SG		X				-30	-5	2/0	2590	4346
7	SVE7	12/19/22 12:11	12:33			SG		X				-22	-3	2/0	2591	4355
8	SVE8	12/19/22 12:10	12:34			SG		X				-28	-4	2/0	2606	4320
9	SVE9	12/19/22 12:23	12:57			SG		X				-28	-5	2/0	2439	4341

Comments: Email Results to client and cc dann@nwcontracting.com.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 12/20/22
Received by: (signature)	Date/Time: 12/22 1302
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements: MA; CT; Other:

Special Requirements: ☐ MA MCP Required; MCP Certification Form Required; ☐ CT RCP Required; RCP Certification Form Required; ☐ Other

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NELAC and AIHA-LAP, LLC Accredited

Project Entity: ☐ Government ☐ Municipality ☐ MWRA ☐ WRTA; ☐ Federal ☐ 21 J ☐ School; ☐ City ☐ Brownfield ☐ MBTA

Other: ☐ Chromatogram; ☐ AIHA-LAP,LLC

PCB ONLY: ☐ Soxhlet; ☐ Non Soxhlet

con-test ANALYTICAL LABORATORY

http://www.contestlabs.com

Doc #378 Rev 1_03242017

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD (AIR)

22L3180

Company Name:	NYS DEC DER
Address:	625 Broadway Albany NY 12233
Phone:	(518) 402-9813
Project Name:	Staubs Textile
Project Location:	935 E. Main St Rochester NY
Project Number:	528660 Call out ID
Project Manager:	Jasmine Stefanshy
Con-Test Quote Name/Number:	
Invoice Recipient:	Jasmine Stefanshy@dec.ny.gov
Sampled By:	Ryan Glass

Requested Turnaround Time
7-Day ☒ 10-Day ☐
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

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Lab Use: Con-Test Work Order#	Client Use: Client Sample ID / Description	Collection Data: Beginning Date/Time	Collection Data: Ending Date/Time	Duration: Total Minutes Sampled	Flow Rate (m³/min, L/min)	Matrix Code	Volume (Liters, m³)	TO 14/15 Standard/Low Level				" Hg Initial Pressure	" Hg Final Pressure	" Hg Lab Receipt Pressure	Summa Can ID	Flow Controller ID
10	SVE 10	12/19/22 12:34	1:07					X				-26	-4	2/1	2271	4329
11	SVE 11	12/19/22 12:46	1:08					X				-23	-3	2/6	2355	4121
12	SVE 12	12/19/22 12:45	1:14					X				-27	-5	2/5	2581	4331
13	SVE 13	12/19/22 1:01	1:29					X				-30	-4	2/0	2338	4132
14	SVE 14	12/19/22 1:44	2:13					X				-27	-4	2/8	2287	4117
15	SVE 15	12/19/22 1:10	1:35					X				-27	-4	2/3	2721	4141
16	SVE 16	12/19/22 1:19	1:43					X				-28	-3	2/8	2612	4224
17	SVE 17	12/19/22 1:19	1:44					X				-30	-4	2/3	2605	4225
18	SVE 18	12/19/22 1:38	2:07					X				-30	-4	2/6	2276	4223

-0.2

Comments: Email Results to client and cc danw@nwcontracting.com

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
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IA = INDOOR AIR
AMB = AMBIENT
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BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 12/20/22
Received by: (signature)	Date/Time: 12/22 1302
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

con-test ANALYTICAL LABORATORY
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http://www.contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

Doc #378 Rev 1_03242017

CHAIN OF CUSTODY RECORD (AIR)

22L3188

Company Name: NYS DEC DER
Address: 625 Broadway Albany NY 12233
Phone: (518) 402-9813
Project Name: Stanbs Textile
Project Location: 935 E. Main St. Rochester NY
Project Number: 828660 call out ID
Project Manager: Jasmine Stakarsky
Con-Test Quote Name/Number:
Invoice Recipient: Jasmine.Stakarsky@dec.ny.gov
Sampled By: Ryan Glass

Requested Turnaround Time
7-Day ☒ 10-Day ☐
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED

TO 14/15 standard Hg

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Lab Use: Con-Test Work Order#	Client Use: Client Sample ID / Description	Collection Data: Beginning Date/Time	Collection Data: Ending Date/Time	Duration: Total Minutes Sampled	Flow Rate (m³/min, L/min)	Matrix: Code	Volume (Liters, m³)	" Hg Initial Pressure	" Hg Final Pressure	" Hg Lab Receipt Pressure	Summa Can ID	Flow Controller ID
19	SVE 14 D. Plank	12/19/22 1:47	2:15			SG		-28	-4	1.3	2579	4077
20	influent	12/19 1:58	2:28			SG		-30	-4	1.0	2269	4318
21	Effluent	12/19 2:17	2:44			SG		-25	-4	1.5	2613	4139
22	Effluent Duplicate	12/19 2:17	2:44			SG		-27	-4	1.6	2575	4122

Comments: Email Results to client and cc Jan@nwcontracting.com

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
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Relinquished by: (signature)	Date/Time: 12/20/22
Received by: (signature)	Date/Time: 12/22 1302
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

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NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

FedEx® Tracking

DELIVERED

Thursday

12/22/2022 at 1:02 pm

Signed for by: APIEKOWSKI

Obtain Proof of delivery

DELIVERY STATUS

Delivered

TRACKING ID

770579785917

FROM
NYS Div. of Env. Remediation
DAN WIK
3553 CRITTENDEN RD
ALDEN, NY US 14004
5184029764

PACKAGE RECEIVED BY FEDEX
FARMINGTON, NY
12/20/2022 4:43 PM

IN TRANSIT
WINDSOR, CT
12/22/2022 6:55 AM

OUT FOR DELIVERY
WINDSOR, CT
12/22/2022 7:03 AM

DELIVERED
Shipping Dept.
Con-Test Analytical Laboratory
39 Spruce St
East Longmeadow, MA US 01028
4135252332

DELIVERED
12/22/2022 at 1:02 PM

View travel history

Want updates on this shipment? Enter your email and we will do the rest!

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East Longmeadow, MA. 01028
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F: 413-525-6405
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Pace PEOPLE ADVANCING SCIENCE

Doc# 278 Rev 7 July 2022

Air Media Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client: NY DEC

Received By: SR Date: 12/22 Time: 1302

How Were the samples received? In Cooler: ___ On Ice: ___ No Ice: ___ In Box: T Ambient: ___ Melted Ice: ___

Were samples within Tempurature Compliance? Within 2-6°C: ___ By Gun #: ___ Actual Temp: ___ By Blank #: ___ Actual Temp: ___

Was Custody Seal In tact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there any loose caps/valves on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC Include all Pertinent Information? Client? T Analysis? T Sampler Name? T

Project? T ID's? T Collection Dates/Times? T

Are Sample Labels filled out and legible?

Are there Rushes? F Who was notified?

Samples are received within holding time? T

Proper Media Used? T Individually Certified Cans? F

Are there Trip Blanks? F Is there enough Volume? T

Summa Cans	22	3L	22	30min	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector			
Radiello					Syringe			
Pufs/TO-11s					Tedlar			

	2551	2287	2613			4355	4117	4139
2262	2600	2721	2595		4350	4320	4141	4122
2420	2438	2612			4344	4321	4224	
2274	2271	2605			4322	4325	4225	
2429	2355	2216			4340	4121	4323	
2352	2581	2519			4118	4337	4097	
2590	2738	2269			4346	4132	4319	
Radiello Vials					Pufs/TO-11s			

Comments:

Air Sampling Media Certificate of Analysis

Date Analyzed: 11/10/2022 **Batch #:** 22CC0951

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2262

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 1/3/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 11/18/2022 **Batch #:** 22CC0984

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2420, BC2438

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 1/3/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 9/23/2022 **Batch #:** 22CC0799

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2274, BC2429

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 1/3/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 10/1/2022 **Batch #:** 22CC0816

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2352

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 1/3/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 11/9/2022 **Batch #:** 22CC0991

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2590, BC2271

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 1/3/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 9/22/2022 **Batch #:** 22CC0789

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs:
BC2597
BC2606
BC2287

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 1/3/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 10/1/2022 **Batch #:** 22CC0815

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2355

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 1/3/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 11/18/2022 **Batch #:** 22CC0987

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2587, BC2612

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 1/3/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 11/18/2022 **Batch #:** 22CC0979

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs:

BC2738		
BC2721		
BC2605		
BC2613		
BC2595		

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 1/3/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 7/25/2022 **Batch #:** 22CC0628

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2276, BC2269

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 1/3/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 11/8/2022 **Batch #:** 22CC0945

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2579

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 1/3/23

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February 1, 2023

Robert Strang
NYDEC_NW Contracting - Alden, NY
3553 Crittenden Road
Alden, NY 14004

Project Location: 935 E. Main St, Rochester, NY
Client Job Number:
Project Number: 828160
Laboratory Work Order Number: 23A1831

Enclosed are results of analyses for samples as received by the laboratory on January 18, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kyle A. Murray
Project Manager

QA Officer
Katherine Allen

Laboratory Manager
Daren Damboragian

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NYDEC_NW Contracting - Alden, NY
3553 Crittenden Road
Alden, NY 14004
ATTN: Robert Strang

REPORT DATE: 2/1/2023

PURCHASE ORDER NUMBER: 142737

PROJECT NUMBER: 828160

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23A1831

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

PROJECT LOCATION: 935 E. Main St, Rochester, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Influent	23A1831-01	Soil Gas		EPA TO-15	
Effluent	23A1831-02	Soil Gas		EPA TO-15	
Effluent Duplicate	23A1831-03	Soil Gas		EPA TO-15	

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CASE NARRATIVE SUMMARY

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

EPA TO-15

Qualifications:

RL-11 Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23A1831-01[Influent], 23A1831-02[Effluent], 23A1831-03[Effluent Duplicate]

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 1/18/2023
Field Sample #: Influent
Sample ID: 23A1831-01
Sample Matrix: Soil Gas
Sampled: 1/16/2023 10:20

Sample Description/Location:
Sub Description/Location:
Canister ID: 2749
Canister Size: 3 liter
Flow Controller ID: 4131
Sample Type: 30 min

Work Order: 23A1831
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -3.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	600	360		ND	1400	860	300	1/28/23 6:13	CMR
Benzene	13	15	11	J	42	48	36	300	1/28/23 6:13	CMR
Benzyl chloride	ND	15	13		ND	78	68	300	1/28/23 6:13	CMR
Bromodichloromethane	ND	15	10		ND	100	70	300	1/28/23 6:13	CMR
Bromoform	ND	15	10		ND	160	110	300	1/28/23 6:13	CMR
Bromomethane	ND	15	10		ND	58	39	300	1/28/23 6:13	CMR
1,3-Butadiene	ND	15	13		ND	33	28	300	1/28/23 6:13	CMR
2-Butanone (MEK)	ND	600	160		ND	1800	470	300	1/28/23 6:13	CMR
Carbon Disulfide	ND	150	14		ND	470	43	300	1/28/23 6:13	CMR
Carbon Tetrachloride	ND	15	12		ND	94	75	300	1/28/23 6:13	CMR
Chlorobenzene	ND	15	10		ND	69	46	300	1/28/23 6:13	CMR
Chloroethane	ND	15	13		ND	40	35	300	1/28/23 6:13	CMR
Chloroform	ND	15	14		ND	73	70	300	1/28/23 6:13	CMR
Chloromethane	ND	30	12		ND	62	25	300	1/28/23 6:13	CMR
Cyclohexane	35	15	9.1		120	52	31	300	1/28/23 6:13	CMR
Dibromochloromethane	ND	15	9.9		ND	130	85	300	1/28/23 6:13	CMR
1,2-Dibromoethane (EDB)	ND	15	9.1		ND	120	70	300	1/28/23 6:13	CMR
1,2-Dichlorobenzene	ND	15	8.6		ND	90	52	300	1/28/23 6:13	CMR
1,3-Dichlorobenzene	ND	15	8.3		ND	90	50	300	1/28/23 6:13	CMR
1,4-Dichlorobenzene	ND	15	9.8		ND	90	59	300	1/28/23 6:13	CMR
Dichlorodifluoromethane (Freon 12)	ND	15	15		ND	74	72	300	1/28/23 6:13	CMR
1,1-Dichloroethane	ND	15	13		ND	61	53	300	1/28/23 6:13	CMR
1,2-Dichloroethane	ND	15	14		ND	61	55	300	1/28/23 6:13	CMR
1,1-Dichloroethylene	ND	15	11		ND	59	45	300	1/28/23 6:13	CMR
cis-1,2-Dichloroethylene	350	15	11		1400	59	43	300	1/28/23 6:13	CMR
trans-1,2-Dichloroethylene	ND	15	12		ND	59	47	300	1/28/23 6:13	CMR
1,2-Dichloropropane	ND	15	8.1		ND	69	38	300	1/28/23 6:13	CMR
cis-1,3-Dichloropropene	ND	15	7.8		ND	68	35	300	1/28/23 6:13	CMR
trans-1,3-Dichloropropene	ND	15	7.7		ND	68	35	300	1/28/23 6:13	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	15	15		ND	100	100	300	1/28/23 6:13	CMR
1,4-Dioxane	ND	150	12		ND	540	45	300	1/28/23 6:13	CMR
Ethanol	ND	600	260		ND	1100	500	300	1/28/23 6:13	CMR
Ethyl Acetate	ND	150	76		ND	540	270	300	1/28/23 6:13	CMR
Ethylbenzene	10	15	8.8	J	46	65	38	300	1/28/23 6:13	CMR
4-Ethyltoluene	15	15	9.2		75	74	45	300	1/28/23 6:13	CMR
Heptane	15	15	9.6		61	61	39	300	1/28/23 6:13	CMR
Hexachlorobutadiene	ND	15	12		ND	160	130	300	1/28/23 6:13	CMR
Hexane	ND	600	78		ND	2100	280	300	1/28/23 6:13	CMR
2-Hexanone (MBK)	ND	15	7.5		ND	61	31	300	1/28/23 6:13	CMR
Isopropanol	ND	600	100		ND	1500	250	300	1/28/23 6:13	CMR
Methyl tert-Butyl Ether (MTBE)	ND	15	12		ND	54	42	300	1/28/23 6:13	CMR
Methylene Chloride	ND	150	70		ND	520	240	300	1/28/23 6:13	CMR
4-Methyl-2-pentanone (MIBK)	ND	15	8.0		ND	61	33	300	1/28/23 6:13	CMR
Naphthalene	ND	15	11		ND	79	59	300	1/28/23 6:13	CMR
Propene	ND	600	130		ND	1000	230	300	1/28/23 6:13	CMR
Styrene	ND	15	7.9		ND	64	34	300	1/28/23 6:13	CMR
1,1,2,2-Tetrachloroethane	ND	15	8.1		ND	100	56	300	1/28/23 6:13	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 1/18/2023
Field Sample #: Influent
Sample ID: 23A1831-01
Sample Matrix: Soil Gas
Sampled: 1/16/2023 10:20

Sample Description/Location:
Sub Description/Location:
Canister ID: 2749
Canister Size: 3 liter
Flow Controller ID: 4131
Sample Type: 30 min

Work Order: 23A1831
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -3.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	7200	15	11		49000	100	78	300	1/28/23 6:13	CMR
Tetrahydrofuran	ND	150	25		ND	440	73	300	1/28/23 6:13	CMR
Toluene	77	15	8.6		290	57	32	300	1/28/23 6:13	CMR
1,2,4-Trichlorobenzene	ND	15	14		ND	110	100	300	1/28/23 6:13	CMR
1,1,1-Trichloroethane	ND	15	12		ND	82	64	300	1/28/23 6:13	CMR
1,1,2-Trichloroethane	ND	15	11		ND	82	58	300	1/28/23 6:13	CMR
Trichloroethylene	260	15	10		1400	81	54	300	1/28/23 6:13	CMR
Trichlorofluoromethane (Freon 11)	ND	60	18		ND	340	100	300	1/28/23 6:13	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	60	17		ND	460	130	300	1/28/23 6:13	CMR
1,2,4-Trimethylbenzene	68	15	6.6		330	74	33	300	1/28/23 6:13	CMR
1,3,5-Trimethylbenzene	69	15	7.9		340	74	39	300	1/28/23 6:13	CMR
Vinyl Acetate	ND	300	81		ND	1100	280	300	1/28/23 6:13	CMR
Vinyl Chloride	ND	15	14		ND	38	35	300	1/28/23 6:13	CMR
m&p-Xylene	42	30	17		180	130	73	300	1/28/23 6:13	CMR
o-Xylene	17	15	7.7		74	65	33	300	1/28/23 6:13	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	109	70-130	1/28/23 6:13

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 1/18/2023
Field Sample #: Effluent
Sample ID: 23A1831-02
Sample Matrix: Soil Gas
Sampled: 1/16/2023 10:30

Sample Description/Location:
Sub Description/Location:
Canister ID: 2761
Canister Size: 3 liter
Flow Controller ID: 4241
Sample Type: 30 min

Work Order: 23A1831
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -2.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	20	12		ND	48	29	10	1/28/23 4:51	CMR
Benzene	0.56	0.50	0.38		1.8	1.6	1.2	10	1/28/23 4:51	CMR
Benzyl chloride	ND	0.50	0.44		ND	2.6	2.3	10	1/28/23 4:51	CMR
Bromodichloromethane	ND	0.50	0.35		ND	3.4	2.3	10	1/28/23 4:51	CMR
Bromoform	ND	0.50	0.34		ND	5.2	3.5	10	1/28/23 4:51	CMR
Bromomethane	ND	0.50	0.33		ND	1.9	1.3	10	1/28/23 4:51	CMR
1,3-Butadiene	ND	0.50	0.42		ND	1.1	0.93	10	1/28/23 4:51	CMR
2-Butanone (MEK)	ND	20	5.3		ND	59	16	10	1/28/23 4:51	CMR
Carbon Disulfide	ND	5.0	0.46		ND	16	1.4	10	1/28/23 4:51	CMR
Carbon Tetrachloride	ND	0.50	0.40		ND	3.1	2.5	10	1/28/23 4:51	CMR
Chlorobenzene	ND	0.50	0.33		ND	2.3	1.5	10	1/28/23 4:51	CMR
Chloroethane	ND	0.50	0.44		ND	1.3	1.2	10	1/28/23 4:51	CMR
Chloroform	ND	0.50	0.48		ND	2.4	2.3	10	1/28/23 4:51	CMR
Chloromethane	ND	1.0	0.40		ND	2.1	0.82	10	1/28/23 4:51	CMR
Cyclohexane	ND	0.50	0.30		ND	1.7	1.0	10	1/28/23 4:51	CMR
Dibromochloromethane	ND	0.50	0.33		ND	4.3	2.8	10	1/28/23 4:51	CMR
1,2-Dibromoethane (EDB)	ND	0.50	0.30		ND	3.8	2.3	10	1/28/23 4:51	CMR
1,2-Dichlorobenzene	ND	0.50	0.29		ND	3.0	1.7	10	1/28/23 4:51	CMR
1,3-Dichlorobenzene	ND	0.50	0.28		ND	3.0	1.7	10	1/28/23 4:51	CMR
1,4-Dichlorobenzene	ND	0.50	0.33		ND	3.0	2.0	10	1/28/23 4:51	CMR
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.49		ND	2.5	2.4	10	1/28/23 4:51	CMR
1,1-Dichloroethane	ND	0.50	0.44		ND	2.0	1.8	10	1/28/23 4:51	CMR
1,2-Dichloroethane	ND	0.50	0.45		ND	2.0	1.8	10	1/28/23 4:51	CMR
1,1-Dichloroethylene	ND	0.50	0.38		ND	2.0	1.5	10	1/28/23 4:51	CMR
cis-1,2-Dichloroethylene	3.4	0.50	0.36		13	2.0	1.4	10	1/28/23 4:51	CMR
trans-1,2-Dichloroethylene	ND	0.50	0.39		ND	2.0	1.6	10	1/28/23 4:51	CMR
1,2-Dichloropropane	ND	0.50	0.27		ND	2.3	1.3	10	1/28/23 4:51	CMR
cis-1,3-Dichloropropene	ND	0.50	0.26		ND	2.3	1.2	10	1/28/23 4:51	CMR
trans-1,3-Dichloropropene	ND	0.50	0.26		ND	2.3	1.2	10	1/28/23 4:51	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.50	0.49		ND	3.5	3.4	10	1/28/23 4:51	CMR
1,4-Dioxane	ND	5.0	0.42		ND	18	1.5	10	1/28/23 4:51	CMR
Ethanol	ND	20	8.8		ND	38	17	10	1/28/23 4:51	CMR
Ethyl Acetate	ND	5.0	2.5		ND	18	9.1	10	1/28/23 4:51	CMR
Ethylbenzene	0.70	0.50	0.29		3.0	2.2	1.3	10	1/28/23 4:51	CMR
4-Ethyltoluene	0.44	0.50	0.31	J	2.2	2.5	1.5	10	1/28/23 4:51	CMR
Heptane	ND	0.50	0.32		ND	2.0	1.3	10	1/28/23 4:51	CMR
Hexachlorobutadiene	ND	0.50	0.41		ND	5.3	4.4	10	1/28/23 4:51	CMR
Hexane	ND	20	2.6		ND	70	9.2	10	1/28/23 4:51	CMR
2-Hexanone (MBK)	ND	0.50	0.25		ND	2.0	1.0	10	1/28/23 4:51	CMR
Isopropanol	ND	20	3.4		ND	49	8.5	10	1/28/23 4:51	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.39		ND	1.8	1.4	10	1/28/23 4:51	CMR
Methylene Chloride	ND	5.0	2.3		ND	17	8.1	10	1/28/23 4:51	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.50	0.27		ND	2.0	1.1	10	1/28/23 4:51	CMR
Naphthalene	ND	0.50	0.38		ND	2.6	2.0	10	1/28/23 4:51	CMR
Propene	ND	20	4.4		ND	34	7.6	10	1/28/23 4:51	CMR
Styrene	ND	0.50	0.26		ND	2.1	1.1	10	1/28/23 4:51	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	0.27		ND	3.4	1.9	10	1/28/23 4:51	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 1/18/2023
Field Sample #: Effluent
Sample ID: 23A1831-02
Sample Matrix: Soil Gas
Sampled: 1/16/2023 10:30

Sample Description/Location:
Sub Description/Location:
Canister ID: 2761
Canister Size: 3 liter
Flow Controller ID: 4241
Sample Type: 30 min

Work Order: 23A1831
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -2.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	250	0.50	0.38		1700	3.4	2.6	10	1/28/23 4:51	CMR
Tetrahydrofuran	ND	5.0	0.82		ND	15	2.4	10	1/28/23 4:51	CMR
Toluene	3.2	0.50	0.29		12	1.9	1.1	10	1/28/23 4:51	CMR
1,2,4-Trichlorobenzene	ND	0.50	0.46		ND	3.7	3.4	10	1/28/23 4:51	CMR
1,1,1-Trichloroethane	ND	0.50	0.39		ND	2.7	2.1	10	1/28/23 4:51	CMR
1,1,2-Trichloroethane	ND	0.50	0.35		ND	2.7	1.9	10	1/28/23 4:51	CMR
Trichloroethylene	3.2	0.50	0.34		17	2.7	1.8	10	1/28/23 4:51	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	0.59		ND	11	3.3	10	1/28/23 4:51	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.56		ND	15	4.3	10	1/28/23 4:51	CMR
1,2,4-Trimethylbenzene	1.5	0.50	0.22		7.5	2.5	1.1	10	1/28/23 4:51	CMR
1,3,5-Trimethylbenzene	0.72	0.50	0.26		3.5	2.5	1.3	10	1/28/23 4:51	CMR
Vinyl Acetate	ND	10	2.7		ND	35	9.5	10	1/28/23 4:51	CMR
Vinyl Chloride	ND	0.50	0.45		ND	1.3	1.2	10	1/28/23 4:51	CMR
m&p-Xylene	3.2	1.0	0.56		14	4.3	2.4	10	1/28/23 4:51	CMR
o-Xylene	1.1	0.50	0.26		4.8	2.2	1.1	10	1/28/23 4:51	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	115	70-130	1/28/23 4:51

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 1/18/2023
Field Sample #: Effluent Duplicate
Sample ID: 23A1831-03
Sample Matrix: Soil Gas
Sampled: 1/16/2023 10:30

Sample Description/Location:
Sub Description/Location:
Canister ID: 2752
Canister Size: 3 liter
Flow Controller ID: 4327
Sample Type: 30 min

Work Order: 23A1831
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -3.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	20	12		ND	48	29	10	1/28/23 3:32	CMR
Benzene	0.56	0.50	0.38		1.8	1.6	1.2	10	1/28/23 3:32	CMR
Benzyl chloride	ND	0.50	0.44		ND	2.6	2.3	10	1/28/23 3:32	CMR
Bromodichloromethane	ND	0.50	0.35		ND	3.4	2.3	10	1/28/23 3:32	CMR
Bromoform	ND	0.50	0.34		ND	5.2	3.5	10	1/28/23 3:32	CMR
Bromomethane	ND	0.50	0.33		ND	1.9	1.3	10	1/28/23 3:32	CMR
1,3-Butadiene	ND	0.50	0.42		ND	1.1	0.93	10	1/28/23 3:32	CMR
2-Butanone (MEK)	ND	20	5.3		ND	59	16	10	1/28/23 3:32	CMR
Carbon Disulfide	ND	5.0	0.46		ND	16	1.4	10	1/28/23 3:32	CMR
Carbon Tetrachloride	ND	0.50	0.40		ND	3.1	2.5	10	1/28/23 3:32	CMR
Chlorobenzene	ND	0.50	0.33		ND	2.3	1.5	10	1/28/23 3:32	CMR
Chloroethane	ND	0.50	0.44		ND	1.3	1.2	10	1/28/23 3:32	CMR
Chloroform	ND	0.50	0.48		ND	2.4	2.3	10	1/28/23 3:32	CMR
Chloromethane	0.43	1.0	0.40	J	0.89	2.1	0.82	10	1/28/23 3:32	CMR
Cyclohexane	ND	0.50	0.30		ND	1.7	1.0	10	1/28/23 3:32	CMR
Dibromochloromethane	ND	0.50	0.33		ND	4.3	2.8	10	1/28/23 3:32	CMR
1,2-Dibromoethane (EDB)	ND	0.50	0.30		ND	3.8	2.3	10	1/28/23 3:32	CMR
1,2-Dichlorobenzene	ND	0.50	0.29		ND	3.0	1.7	10	1/28/23 3:32	CMR
1,3-Dichlorobenzene	ND	0.50	0.28		ND	3.0	1.7	10	1/28/23 3:32	CMR
1,4-Dichlorobenzene	ND	0.50	0.33		ND	3.0	2.0	10	1/28/23 3:32	CMR
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.49		ND	2.5	2.4	10	1/28/23 3:32	CMR
1,1-Dichloroethane	ND	0.50	0.44		ND	2.0	1.8	10	1/28/23 3:32	CMR
1,2-Dichloroethane	ND	0.50	0.45		ND	2.0	1.8	10	1/28/23 3:32	CMR
1,1-Dichloroethylene	ND	0.50	0.38		ND	2.0	1.5	10	1/28/23 3:32	CMR
cis-1,2-Dichloroethylene	3.0	0.50	0.36		12	2.0	1.4	10	1/28/23 3:32	CMR
trans-1,2-Dichloroethylene	ND	0.50	0.39		ND	2.0	1.6	10	1/28/23 3:32	CMR
1,2-Dichloropropane	ND	0.50	0.27		ND	2.3	1.3	10	1/28/23 3:32	CMR
cis-1,3-Dichloropropene	ND	0.50	0.26		ND	2.3	1.2	10	1/28/23 3:32	CMR
trans-1,3-Dichloropropene	ND	0.50	0.26		ND	2.3	1.2	10	1/28/23 3:32	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.50	0.49		ND	3.5	3.4	10	1/28/23 3:32	CMR
1,4-Dioxane	ND	5.0	0.42		ND	18	1.5	10	1/28/23 3:32	CMR
Ethanol	9.5	20	8.8	J	18	38	17	10	1/28/23 3:32	CMR
Ethyl Acetate	ND	5.0	2.5		ND	18	9.1	10	1/28/23 3:32	CMR
Ethylbenzene	0.46	0.50	0.29	J	2.0	2.2	1.3	10	1/28/23 3:32	CMR
4-Ethyltoluene	0.53	0.50	0.31		2.6	2.5	1.5	10	1/28/23 3:32	CMR
Heptane	ND	0.50	0.32		ND	2.0	1.3	10	1/28/23 3:32	CMR
Hexachlorobutadiene	ND	0.50	0.41		ND	5.3	4.4	10	1/28/23 3:32	CMR
Hexane	ND	20	2.6		ND	70	9.2	10	1/28/23 3:32	CMR
2-Hexanone (MBK)	ND	0.50	0.25		ND	2.0	1.0	10	1/28/23 3:32	CMR
Isopropanol	ND	20	3.4		ND	49	8.5	10	1/28/23 3:32	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.39		ND	1.8	1.4	10	1/28/23 3:32	CMR
Methylene Chloride	ND	5.0	2.3		ND	17	8.1	10	1/28/23 3:32	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.50	0.27		ND	2.0	1.1	10	1/28/23 3:32	CMR
Naphthalene	ND	0.50	0.38		ND	2.6	2.0	10	1/28/23 3:32	CMR
Propene	ND	20	4.4		ND	34	7.6	10	1/28/23 3:32	CMR
Styrene	ND	0.50	0.26		ND	2.1	1.1	10	1/28/23 3:32	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	0.27		ND	3.4	1.9	10	1/28/23 3:32	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 1/18/2023
Field Sample #: Effluent Duplicate
Sample ID: 23A1831-03
Sample Matrix: Soil Gas
Sampled: 1/16/2023 10:30

Sample Description/Location:
Sub Description/Location:
Canister ID: 2752
Canister Size: 3 liter
Flow Controller ID: 4327
Sample Type: 30 min

Work Order: 23A1831
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -3.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	250	0.50	0.38		1700	3.4	2.6	10	1/28/23 3:32	CMR
Tetrahydrofuran	ND	5.0	0.82		ND	15	2.4	10	1/28/23 3:32	CMR
Toluene	2.0	0.50	0.29		7.6	1.9	1.1	10	1/28/23 3:32	CMR
1,2,4-Trichlorobenzene	ND	0.50	0.46		ND	3.7	3.4	10	1/28/23 3:32	CMR
1,1,1-Trichloroethane	ND	0.50	0.39		ND	2.7	2.1	10	1/28/23 3:32	CMR
1,1,2-Trichloroethane	ND	0.50	0.35		ND	2.7	1.9	10	1/28/23 3:32	CMR
Trichloroethylene	3.0	0.50	0.34		16	2.7	1.8	10	1/28/23 3:32	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	0.59		ND	11	3.3	10	1/28/23 3:32	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.56		ND	15	4.3	10	1/28/23 3:32	CMR
1,2,4-Trimethylbenzene	2.9	0.50	0.22		14	2.5	1.1	10	1/28/23 3:32	CMR
1,3,5-Trimethylbenzene	1.6	0.50	0.26		7.7	2.5	1.3	10	1/28/23 3:32	CMR
Vinyl Acetate	ND	10	2.7		ND	35	9.5	10	1/28/23 3:32	CMR
Vinyl Chloride	ND	0.50	0.45		ND	1.3	1.2	10	1/28/23 3:32	CMR
m&p-Xylene	2.0	1.0	0.56		8.8	4.3	2.4	10	1/28/23 3:32	CMR
o-Xylene	0.73	0.50	0.26		3.2	2.2	1.1	10	1/28/23 3:32	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	112	70-130	1/28/23 3:32

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
23A1831-01 [Influent]	B330071	1.5	200	5	1000	400	400	01/27/23
23A1831-02 [Effluent]	B330071	1.5	1	N/A	1000	400	60	01/27/23
23A1831-03 [Effluent Duplicate]	B330071	1.5	1	N/A	1000	400	60	01/27/23

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B330071 - TO-15 Prep											
Blank (B330071-BLK1)					Prepared & Analyzed: 01/27/23						
Acetone	ND	1.4									
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.35									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.070									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									
Ethyl Acetate	ND	0.35									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.35									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Propene	ND	1.4									
Styrene	ND	0.035									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B330071 - TO-15 Prep											
Blank (B330071-BLK1)					Prepared & Analyzed: 01/27/23						
1,1,2,2-Tetrachloroethane	ND	0.035									
Tetrachloroethylene	ND	0.035									
Tetrahydrofuran	ND	0.35									
Toluene	ND	0.035									
1,2,4-Trichlorobenzene	ND	0.035									
1,1,1-Trichloroethane	ND	0.035									
1,1,2-Trichloroethane	ND	0.035									
Trichloroethylene	ND	0.035									
Trichlorofluoromethane (Freon 11)	ND	0.14									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14									
1,2,4-Trimethylbenzene	ND	0.035									
1,3,5-Trimethylbenzene	ND	0.035									
Vinyl Acetate	ND	0.70									
Vinyl Chloride	ND	0.035									
m&p-Xylene	ND	0.070									
o-Xylene	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*8.60*				*8.00*		*108*	*70-130*			
LCS (B330071-BS1)					Prepared & Analyzed: 01/27/23						
Acetone	4.44				5.00		88.7	70-130			
Benzene	4.56				5.00		91.2	70-130			
Benzyl chloride	4.78				5.00		95.7	70-130			
Bromodichloromethane	4.46				5.00		89.2	70-130			
Bromoform	5.07				5.00		101	70-130			
Bromomethane	4.25				5.00		85.0	70-130			
1,3-Butadiene	3.75				5.00		75.0	70-130			
2-Butanone (MEK)	4.63				5.00		92.6	70-130			
Carbon Disulfide	5.02				5.00		100	70-130			
Carbon Tetrachloride	4.91				5.00		98.3	70-130			
Chlorobenzene	4.38				5.00		87.5	70-130			
Chloroethane	4.20				5.00		84.1	70-130			
Chloroform	4.94				5.00		98.7	70-130			
Chloromethane	3.78				5.00		75.5	70-130			
Cyclohexane	4.55				5.00		90.9	70-130			
Dibromochloromethane	4.82				5.00		96.3	70-130			
1,2-Dibromoethane (EDB)	4.37				5.00		87.3	70-130			
1,2-Dichlorobenzene	4.65				5.00		93.1	70-130			
1,3-Dichlorobenzene	4.84				5.00		96.8	70-130			
1,4-Dichlorobenzene	4.87				5.00		97.4	70-130			
Dichlorodifluoromethane (Freon 12)	4.92				5.00		98.3	70-130			
1,1-Dichloroethane	4.97				5.00		99.4	70-130			
1,2-Dichloroethane	4.89				5.00		97.8	70-130			
1,1-Dichloroethylene	4.81				5.00		96.1	70-130			
cis-1,2-Dichloroethylene	4.71				5.00		94.3	70-130			
trans-1,2-Dichloroethylene	4.83				5.00		96.6	70-130			
1,2-Dichloropropane	4.54				5.00		90.9	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B330071 - TO-15 Prep											
LCS (B330071-BS1)					Prepared & Analyzed: 01/27/23						
cis-1,3-Dichloropropene	4.37				5.00		87.3	70-130			
trans-1,3-Dichloropropene	4.47				5.00		89.3	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.07				5.00		81.4	70-130			
1,4-Dioxane	4.50				5.00		90.1	70-130			
Ethanol	4.56				5.00		91.1	70-130			
Ethyl Acetate	4.98				5.00		99.5	70-130			
Ethylbenzene	4.48				5.00		89.7	70-130			
4-Ethyltoluene	4.70				5.00		93.9	70-130			
Heptane	4.54				5.00		90.9	70-130			
Hexachlorobutadiene	4.74				5.00		94.7	70-130			
Hexane	5.05				5.00		101	70-130			
2-Hexanone (MBK)	4.32				5.00		86.3	70-130			
Isopropanol	3.56				5.00		71.3	70-130			
Methyl tert-Butyl Ether (MTBE)	4.74				5.00		94.8	70-130			
Methylene Chloride	4.15				5.00		83.0	70-130			
4-Methyl-2-pentanone (MIBK)	4.32				5.00		86.4	70-130			
Naphthalene	4.56				5.00		91.1	70-130			
Propene	4.34				5.00		86.7	70-130			
Styrene	4.54				5.00		90.8	70-130			
1,1,2,2-Tetrachloroethane	4.31				5.00		86.1	70-130			
Tetrachloroethylene	4.74				5.00		94.8	70-130			
Tetrahydrofuran	4.93				5.00		98.6	70-130			
Toluene	4.45				5.00		88.9	70-130			
1,2,4-Trichlorobenzene	4.26				5.00		85.2	70-130			
1,1,1-Trichloroethane	4.43				5.00		88.6	70-130			
1,1,2-Trichloroethane	4.46				5.00		89.3	70-130			
Trichloroethylene	4.54				5.00		90.7	70-130			
Trichlorofluoromethane (Freon 11)	4.80				5.00		96.0	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.81				5.00		96.2	70-130			
1,2,4-Trimethylbenzene	4.58				5.00		91.7	70-130			
1,3,5-Trimethylbenzene	4.70				5.00		94.0	70-130			
Vinyl Acetate	4.03				5.00		80.6	70-130			
Vinyl Chloride	4.11				5.00		82.2	70-130			
m&p-Xylene	9.38				10.0		93.8	70-130			
o-Xylene	4.63				5.00		92.7	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*9.08*				*8.00*		*113*	*70-130*			

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Note: Blank Subtraction is not performed unless otherwise noted

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
RL-11	Elevated reporting limit due to high concentration of target compounds.

ANALYST

RJM	Raymond J. McCarthy
LR	Lionel Rios
KAM	Kyle A. Murray
CMR	Catherine M. Rouleau
BRF	Brittany R. Fisk

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S076501-ICV1)			Lab File ID: G22A256016.D			Analyzed: 09/13/22 22:00			
Bromochloromethane (1)	1141026	8.307	1141026	8.307	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2751702	10.081	2751702	10.081	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2471195	14.446	2471195	14.446	100	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S082573-CCV1)			Lab File ID: G23A027004.D			Analyzed: 01/27/23 11:46			
Bromochloromethane (1)	924024	8.301	924024	8.301	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2352377	10.075	2352377	10.075	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2106299	14.44	2106299	14.44	100	60 - 140	0.0000	+/-0.50	
LCS (B330071-BS1)			Lab File ID: G23A027005.D			Analyzed: 01/27/23 12:26			
Bromochloromethane (1)	967379	8.301	924024	8.301	105	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2484367	10.075	2352377	10.075	106	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2248396	14.44	2106299	14.44	107	60 - 140	0.0000	+/-0.50	
Blank (B330071-BLK1)			Lab File ID: G23A027010.D			Analyzed: 01/27/23 15:59			
Bromochloromethane (1)	891390	8.307	924024	8.301	96	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2358479	10.075	2352377	10.075	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2106950	14.44	2106299	14.44	100	60 - 140	0.0000	+/-0.50	
Effluent Duplicate (23A1831-03)			Lab File ID: G23A027026.D			Analyzed: 01/28/23 03:32			
Bromochloromethane (1)	871011	8.307	924024	8.301	94	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2089943	10.075	2352377	10.075	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1965254	14.44	2106299	14.44	93	60 - 140	0.0000	+/-0.50	
Effluent (23A1831-02)			Lab File ID: G23A027028.D			Analyzed: 01/28/23 04:51			
Bromochloromethane (1)	859919	8.307	924024	8.301	93	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2097905	10.075	2352377	10.075	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2014125	14.44	2106299	14.44	96	60 - 140	0.0000	+/-0.50	
Influent (23A1831-01)			Lab File ID: G23A027030.D			Analyzed: 01/28/23 06:13			
Bromochloromethane (1)	902169	8.307	924024	8.301	98	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2272055	10.075	2352377	10.075	97	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2129705	14.44	2106299	14.44	101	60 - 140	0.0000	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S082573-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.64	1.084004	1.005338		-7.3	30
Benzene	A	5.00	4.79	0.9129288	0.8749196		-4.2	30
Benzyl chloride	A	5.00	5.12	1.030942	1.056566		2.5	30
Bromodichloromethane	A	5.00	4.77	0.6953811	0.6629509		-4.7	30
Bromoform	A	5.00	5.32	0.5656468	0.6012875		6.3	30
Bromomethane	A	5.00	4.45	0.6009459	0.5343827		-11.1	30
1,3-Butadiene	A	5.00	4.06	0.5443004	0.4424976		-18.7	30
2-Butanone (MEK)	A	5.00	4.77	1.507683	1.439043		-4.6	30
Carbon Disulfide	A	5.00	5.07	2.02748	2.055625		1.4	30
Carbon Tetrachloride	A	5.00	5.18	0.5479998	0.5680715		3.7	30
Chlorobenzene	A	5.00	4.68	0.8809329	0.8248713		-6.4	30
Chloroethane	A	5.00	4.29	0.3452967	0.2960806		-14.3	30
Chloroform	A	5.00	5.05	1.561184	1.5774		1.0	30
Chloromethane	A	5.00	4.02	0.6821899	0.5488065		-19.6	30
Cyclohexane	A	5.00	4.78	0.3600845	0.344272		-4.4	30
Dibromochloromethane	A	5.00	5.15	0.6396581	0.6588269		3.0	30
1,2-Dibromoethane (EDB)	A	5.00	4.73	0.6171207	0.5843334		-5.3	30
1,2-Dichlorobenzene	A	5.00	4.92	0.6937094	0.6831205		-1.5	30
1,3-Dichlorobenzene	A	5.00	5.22	0.7409581	0.7738951		4.4	30
1,4-Dichlorobenzene	A	5.00	5.16	0.7218155	0.7442043		3.1	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.16	1.62808	1.680048		3.2	30
1,1-Dichloroethane	A	5.00	5.11	1.342742	1.371824		2.2	30
1,2-Dichloroethane	A	5.00	5.08	0.9627523	0.9789079		1.7	30
1,1-Dichloroethylene	A	5.00	5.00	1.140142	1.140779		0.06	30
cis-1,2-Dichloroethylene	A	5.00	4.90	0.9670963	0.9472758		-2.0	30
trans-1,2-Dichloroethylene	A	5.00	5.00	1.001825	1.001571		-0.03	30
1,2-Dichloropropane	A	5.00	4.73	0.3567989	0.3376602		-5.4	30
cis-1,3-Dichloropropene	A	5.00	4.71	0.5092852	0.4799238		-5.8	30
trans-1,3-Dichloropropene	A	5.00	4.63	0.4570981	0.4230648		-7.4	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	4.54	1.73998	1.578288		-9.3	30
1,4-Dioxane	A	5.00	4.52	0.1857641	0.1678092		-9.7	30
Ethanol	A	5.00	3.84	0.2343264	0.1798585		-23.2	30
Ethyl Acetate	A	5.00	5.44	0.2308163	0.2513389		8.9	30
Ethylbenzene	A	5.00	4.85	1.455024	1.410986		-3.0	30
4-Ethyltoluene	A	5.00	5.06	1.413771	1.431903		1.3	30
Heptane	A	5.00	4.85	0.2850308	0.2766815		-2.9	30
Hexachlorobutadiene	A	5.00	5.10	0.4677459	0.4767612		1.9	30
Hexane	A	5.00	5.27	0.8985394	0.8890886		5.4	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S082573-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	4.65	0.7712864	0.7175293		-7.0	30
Isopropanol	A	5.00	4.16	1.338902	1.1154		-16.7	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.95	1.834723	1.816271		-1.0	30
Methylene Chloride	A	5.00	4.30	0.9597215	0.8253327		-14.0	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.63	0.7726854	0.7153302		-7.4	30
Naphthalene	A	5.00	4.47	1.092246	0.976931		-10.6	30
Propene	A	5.00	4.65	0.5941328	0.5523354		-7.0	30
Styrene	A	5.00	4.86	0.7890752	0.7670402		-2.8	30
1,1,2,2-Tetrachloroethane	A	5.00	4.61	0.9851261	0.908592		-7.8	30
Tetrachloroethylene	A	5.00	5.08	0.457194	0.4643823		1.6	30
Tetrahydrofuran	A	5.00	4.92	0.2957092	0.2910764		-1.6	30
Toluene	A	5.00	4.75	1.15399	1.096511		-5.0	30
1,2,4-Trichlorobenzene	A	5.00	4.38	0.4973623	0.4357292		-12.4	30
1,1,1-Trichloroethane	A	5.00	4.81	0.5975698	0.5747752		-3.8	30
1,1,2-Trichloroethane	A	5.00	4.74	0.4162703	0.3944959		-5.2	30
Trichloroethylene	A	5.00	4.77	0.3947958	0.3766423		-4.6	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.01	1.463327	1.465607		0.2	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.00	1.432547	1.432924		0.03	30
1,2,4-Trimethylbenzene	A	5.00	5.04	1.156019	1.164412		0.7	30
1,3,5-Trimethylbenzene	A	5.00	5.12	1.190388	1.218866		2.4	30
Vinyl Acetate	A	5.00	4.17	1.986739	1.656314		-16.6	30
Vinyl Chloride	A	5.00	4.30	0.7142115	0.613539		-14.1	30
m&p-Xylene	A	10.0	10.0	1.129066	1.133486		0.4	30
o-Xylene	A	5.00	4.99	1.138955	1.136415		-0.2	30

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

* Values outside of QC limits

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A Pace Analytical® Laboratory

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Acetone	AIHA,NY,ME,NH
Benzene	AIHA,FL,NJ,NY,ME,NH,VA
Benzyl chloride	AIHA,FL,NJ,NY,ME,NH,VA
Bromodichloromethane	AIHA,NJ,NY,ME,NH,VA
Bromoform	AIHA,NJ,NY,ME,NH,VA
Bromomethane	AIHA,FL,NJ,NY,ME,NH
1,3-Butadiene	AIHA,NJ,NY,ME,NH,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,ME,NH,VA
Carbon Disulfide	AIHA,NJ,NY,ME,NH,VA
Carbon Tetrachloride	AIHA,FL,NJ,NY,ME,NH,VA
Chlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Chloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Chloroform	AIHA,FL,NJ,NY,ME,NH,VA
Chloromethane	AIHA,FL,NJ,NY,ME,NH,VA
Cyclohexane	AIHA,NJ,NY,ME,NH,VA
Dibromochloromethane	AIHA,NY,ME,NH
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME,NH
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	AIHA,NJ,NY,ME,NH
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME,NH
1,1-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,ME,NH,VA
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	AIHA,NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA,NJ
Heptane	AIHA,NJ,NY,ME,NH,VA
Hexachlorobutadiene	AIHA,NJ,NY,ME,NH,VA
Hexane	AIHA,FL,NJ,NY,ME,NH,VA
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,ME,NH,VA
Methylene Chloride	AIHA,FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Tetrachloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Tetrahydrofuran	AIHA
Toluene	AIHA,FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	AIHA,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Trichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	AIHA,NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	AIHA,NJ,NY,ME,NH
1,3,5-Trimethylbenzene	AIHA,NJ,NY,ME,NH
Vinyl Acetate	AIHA,FL,NJ,NY,ME,NH,VA
Vinyl Chloride	AIHA,FL,NJ,NY,ME,NH,VA
m&p-Xylene	AIHA,FL,NJ,NY,ME,NH,VA
o-Xylene	AIHA,FL,NJ,NY,ME,NH,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023

http://www.contestlabs.com Doc #378 Rev 1_03242017

con-test ANALYTICAL LABORATORY

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Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

23A1831

Company Name: NYS DEC DER
Address: 625 Broadway Albany NY 12233
Phone: (518) 402-9513
Project Name: Stanbs Textile
Project Location: 935 E. Main St. Rochester NY
Project Number: Jasmine Stefansky
Project Manager: 828660 Call Lab ID
Con-Test Quote Name/Number:
Invoice Recipient: Jasmine Stefansky @dec.ny.gov
Sampled By: Ryan Glass

Requested Turnaround Time
7-Day [X] 10-Day [ ]
Due Date:

Rush Approval Required
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [ ] EXCEL [ ]
Other:
CLP Like Data Pkg Required: [ ]
Email To:
Fax To #:

ANALYSIS REQUESTED

Lab Use: Con-Test Work Order#	Client Use: Client Sample ID / Description	Collection Data: Beginning Date/Time	Ending Date/Time	Duration: Total Minutes Sampled	Flow Rate (m³/min, L/min)	Matrix: Code	Volume (Liters, m³)	TO 14/15 Standard Analysis				Initial Pressure (" Hg)	Final Pressure (" Hg)	Lab Receipt Pressure (" Hg)	Summa Can ID	Flow Controller ID
1	Influnt	1/16/23 950	1020	30		SG		X				-26	-5	-6	2749	4131
2	Effluent	1/16/23 1000	1030	30		SG		X				-29	-5	-6	2761	4241
3	Effluent Duplicate	1/16/23 1000	1030	30		SG		X				-28	-5	-5	2752	4327

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments: Email Results to client and cc dmw@nwcontracting.com.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 1/16/23
Received by: (signature)	Date/Time: 1/18 1132
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
[ ] MA MCP Required
MCP Certification Form Required
[ ] CT RCP Required
RCP Certification Form Required
[ ] Other

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NELAC and AIHA-LAP, LLC Accredited

Project Entity
[ ] Government [ ] Municipality [ ] MWRA [ ] WRTA
[ ] Federal [ ] 21 J [ ] School
[ ] City [ ] Brownfield [ ] MBTA

Other
[ ] Chromatogram
[ ] AIHA-LAP,LLC

PCB ONLY
[ ] Soxhlet
[ ] Non Soxhlet

FedEx® Tracking

DELIVERED

Wednesday

1/18/2023 at 11:32 am

Signed for by: PPINKOWSKI

Obtain Proof of delivery

How was your delivery?

DELIVERY STATUS

Delivered

TRACKING ID

770864587254

FROM
NYDEC_NW CONTRACTING
DANIAL WIK
3553 CRITTENDEN RD.
ALDEN, NY US 14004
7169376527

PACKAGE RECEIVED BY FEDEX
FARMINGTON, NY
1/16/2023 5:02 PM

IN TRANSIT
WINDSOR, CT
1/18/2023 6:23 AM

OUT FOR DELIVERY
WINDSOR, CT
1/18/2023 6:30 AM

DELIVERED
Shipping Dept.
Con-Test Analytical Laboratory
39 Spruce St
East Longmeadow, MA US 01028
4135252332

DELIVERED
1/18/2023 at 11:32 AM

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Doc# 278 Rev 7 July 2022

Air Media Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client NY DEC

Received By JR | Date 1/18 | Time 1132

How Were the samples received? In Cooler ___ On Ice ___ No Ice ___ In Box T Ambient ___ Melted Ice ___

Were samples within Tempurature Compliance? Within 2-6°C ___ By Gun # ___ Actual Temp - ___ By Blank # ___ Actual Temp - ___

Was Custody Seal In tact? M | Were Samples Tampered with? M

Was COC Relinquished ? T | Does Chain Agree With Samples? T

Are there any loose caps/valves on any samples? F

Is COC in ink/ Legible? T | Were samples received within holding time? T

Did COC Include all Pertinent Information? Client? T Analysis? T Sampler Name? T Project? T ID's? T Collection Dates/Times? T

Are Sample Labels filled out and legible?

Are there Rushes? F | Who was notified? ___

Samples are received within holding time? T

Proper Media Used? T | Individually Certified Cans? F

Are there Trip Blanks? F | Is there enough Volume? T

Containers:	#	Size	Regulator	Duration	Accessories:			
Summa Cans	3	3L	3	30min	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/TO-11s					Tedlar			

Can #'s					Reg #'s				
2749					4131				
2761					4241				
2752					4327				
Unused Media					**Pufs/TO-17's**				

Comments:

Air Sampling Media Certificate of Analysis

Date Analyzed: 12/14/2022 **Batch #:** 22CC1052

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2749, BC2761

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 1/30/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 12/16/2022 **Batch #:** 22CC1064

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2752

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 1/30/23

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March 8, 2023

Robert Strang
NYDEC_NW Contracting - Alden, NY
3553 Crittenden Road
Alden, NY 14004

Project Location: 935 E. Main St, Rochester, NY
Client Job Number:
Project Number: 828660
Laboratory Work Order Number: 23B2429

Enclosed are results of analyses for samples as received by the laboratory on February 21, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kyle A. Murray
Project Manager

QA Officer
Katherine Allen

Laboratory Manager
Daren Damboragian

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NYDEC_NW Contracting - Alden, NY
3553 Crittenden Road
Alden, NY 14004
ATTN: Robert Strang

REPORT DATE: 3/8/2023

PURCHASE ORDER NUMBER: 142737

PROJECT NUMBER: 828660

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23B2429

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

PROJECT LOCATION: 935 E. Main St, Rochester, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Influent 21723	23B2429-01	Soil Gas		EPA TO-15	
Effluent 21723	23B2429-02	Soil Gas		EPA TO-15	
Effluent Duplicate 21723	23B2429-03	Soil Gas		EPA TO-15	

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CASE NARRATIVE SUMMARY

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

EPA TO-15

Qualifications:

RL-11 Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23B2429-01[Influent 21723]

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Meghan E. Kelley
Reporting Specialist

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 2/21/2023
Field Sample #: Influent 21723
Sample ID: 23B2429-01
Sample Matrix: Soil Gas
Sampled: 2/17/2023 09:37

Sample Description/Location:
Sub Description/Location:
Canister ID: 2272
Canister Size: 3 liter
Flow Controller ID: 4131
Sample Type: 30 min

Work Order: 23B2429
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -4.0
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	120	72		ND	290	170	60	3/2/23 3:11	SFM
Benzene	ND	3.0	2.3		ND	9.6	7.3	60	3/2/23 3:11	SFM
Benzyl chloride	ND	3.0	2.6		ND	16	14	60	3/2/23 3:11	SFM
Bromodichloromethane	ND	3.0	2.1		ND	20	14	60	3/2/23 3:11	SFM
Bromoform	ND	3.0	2.0		ND	31	21	60	3/2/23 3:11	SFM
Bromomethane	ND	3.0	2.0		ND	12	7.8	60	3/2/23 3:11	SFM
1,3-Butadiene	ND	3.0	2.5		ND	6.6	5.6	60	3/2/23 3:11	SFM
2-Butanone (MEK)	ND	120	32		ND	350	94	60	3/2/23 3:11	SFM
Carbon Disulfide	ND	30	2.8		ND	93	8.6	60	3/2/23 3:11	SFM
Carbon Tetrachloride	ND	3.0	2.4		ND	19	15	60	3/2/23 3:11	SFM
Chlorobenzene	ND	3.0	2.0		ND	14	9.2	60	3/2/23 3:11	SFM
Chloroethane	ND	3.0	2.7		ND	7.9	7.0	60	3/2/23 3:11	SFM
Chloroform	ND	3.0	2.8		ND	15	14	60	3/2/23 3:11	SFM
Chloromethane	ND	6.0	2.4		ND	12	4.9	60	3/2/23 3:11	SFM
Cyclohexane	3.1	3.0	1.8		11	10	6.2	60	3/2/23 3:11	SFM
Dibromochloromethane	ND	3.0	2.0		ND	26	17	60	3/2/23 3:11	SFM
1,2-Dibromoethane (EDB)	ND	3.0	1.8		ND	23	14	60	3/2/23 3:11	SFM
1,2-Dichlorobenzene	ND	3.0	1.7		ND	18	10	60	3/2/23 3:11	SFM
1,3-Dichlorobenzene	ND	3.0	1.7		ND	18	10.0	60	3/2/23 3:11	SFM
1,4-Dichlorobenzene	ND	3.0	2.0		ND	18	12	60	3/2/23 3:11	SFM
Dichlorodifluoromethane (Freon 12)	ND	3.0	2.9		ND	15	14	60	3/2/23 3:11	SFM
1,1-Dichloroethane	ND	3.0	2.6		ND	12	11	60	3/2/23 3:11	SFM
1,2-Dichloroethane	ND	3.0	2.7		ND	12	11	60	3/2/23 3:11	SFM
1,1-Dichloroethylene	ND	3.0	2.3		ND	12	9.1	60	3/2/23 3:11	SFM
cis-1,2-Dichloroethylene	230	3.0	2.2		900	12	8.7	60	3/2/23 3:11	SFM
trans-1,2-Dichloroethylene	ND	3.0	2.4		ND	12	9.3	60	3/2/23 3:11	SFM
1,2-Dichloropropane	ND	3.0	1.6		ND	14	7.5	60	3/2/23 3:11	SFM
cis-1,3-Dichloropropene	ND	3.0	1.6		ND	14	7.1	60	3/2/23 3:11	SFM
trans-1,3-Dichloropropene	ND	3.0	1.5		ND	14	7.0	60	3/2/23 3:11	SFM
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	3.0	3.0		ND	21	21	60	3/2/23 3:11	SFM
1,4-Dioxane	ND	30	2.5		ND	110	9.0	60	3/2/23 3:11	SFM
Ethanol	ND	120	53		ND	230	100	60	3/2/23 3:11	SFM
Ethyl Acetate	ND	30	15		ND	110	55	60	3/2/23 3:11	SFM
Ethylbenzene	ND	3.0	1.8		ND	13	7.6	60	3/2/23 3:11	SFM
4-Ethyltoluene	8.5	3.0	1.8		42	15	9.1	60	3/2/23 3:11	SFM
Heptane	ND	3.0	1.9		ND	12	7.9	60	3/2/23 3:11	SFM
Hexachlorobutadiene	ND	3.0	2.5		ND	32	26	60	3/2/23 3:11	SFM
Hexane	ND	120	16		ND	420	55	60	3/2/23 3:11	SFM
2-Hexanone (MBK)	ND	3.0	1.5		ND	12	6.1	60	3/2/23 3:11	SFM
Isopropanol	ND	120	21		ND	290	51	60	3/2/23 3:11	SFM
Methyl tert-Butyl Ether (MTBE)	ND	3.0	2.3		ND	11	8.4	60	3/2/23 3:11	SFM
Methylene Chloride	ND	30	14		ND	100	48	60	3/2/23 3:11	SFM
4-Methyl-2-pentanone (MIBK)	ND	3.0	1.6		ND	12	6.6	60	3/2/23 3:11	SFM
Naphthalene	ND	3.0	2.3		ND	16	12	60	3/2/23 3:11	SFM
Propene	ND	120	26		ND	210	45	60	3/2/23 3:11	SFM
Styrene	ND	3.0	1.6		ND	13	6.7	60	3/2/23 3:11	SFM
1,1,2,2-Tetrachloroethane	ND	3.0	1.6		ND	21	11	60	3/2/23 3:11	SFM

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 2/21/2023
Field Sample #: Influent 21723
Sample ID: 23B2429-01
Sample Matrix: Soil Gas
Sampled: 2/17/2023 09:37

Sample Description/Location:
Sub Description/Location:
Canister ID: 2272
Canister Size: 3 liter
Flow Controller ID: 4131
Sample Type: 30 min

Work Order: 23B2429
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -4.0
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	3700	30	23		25000	200	160	600	3/2/23 3:52	SFM
Tetrahydrofuran	ND	30	4.9		ND	88	15	60	3/2/23 3:11	SFM
Toluene	2.3	3.0	1.7	J	8.8	11	6.5	60	3/2/23 3:11	SFM
1,2,4-Trichlorobenzene	ND	3.0	2.8		ND	22	21	60	3/2/23 3:11	SFM
1,1,1-Trichloroethane	ND	3.0	2.4		ND	16	13	60	3/2/23 3:11	SFM
1,1,2-Trichloroethane	ND	3.0	2.1		ND	16	12	60	3/2/23 3:11	SFM
Trichloroethylene	130	3.0	2.0		690	16	11	60	3/2/23 3:11	SFM
Trichlorofluoromethane (Freon 11)	ND	12	3.5		ND	67	20	60	3/2/23 3:11	SFM
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	12	3.3		ND	92	26	60	3/2/23 3:11	SFM
1,2,4-Trimethylbenzene	56	3.0	1.3		270	15	6.5	60	3/2/23 3:11	SFM
1,3,5-Trimethylbenzene	61	3.0	1.6		300	15	7.8	60	3/2/23 3:11	SFM
Vinyl Acetate	ND	60	16		ND	210	57	60	3/2/23 3:11	SFM
Vinyl Chloride	3.3	3.0	2.7		8.4	7.7	6.9	60	3/2/23 3:11	SFM
m&p-Xylene	4.5	6.0	3.4	J	20	26	15	60	3/2/23 3:11	SFM
o-Xylene	5.5	3.0	1.5		24	13	6.7	60	3/2/23 3:11	SFM

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	104	70-130	3/2/23 3:11
4-Bromofluorobenzene (1)	105	70-130	3/2/23 3:52

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 2/21/2023
Field Sample #: Effluent 21723
Sample ID: 23B2429-02
Sample Matrix: Soil Gas
Sampled: 2/17/2023 09:32

Sample Description/Location:
Sub Description/Location:
Canister ID: 2367
Canister Size: 3 liter
Flow Controller ID: 4253
Sample Type: 30 min

Work Order: 23B2429
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -1.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	4.0	2.4		ND	9.5	5.7	2	3/2/23 1:52	SFM
Benzene	1.7	0.10	0.076		5.6	0.32	0.24	2	3/2/23 1:52	SFM
Benzyl chloride	ND	0.10	0.088		ND	0.52	0.46	2	3/2/23 1:52	SFM
Bromodichloromethane	ND	0.10	0.070		ND	0.67	0.47	2	3/2/23 1:52	SFM
Bromoform	ND	0.10	0.068		ND	1.0	0.70	2	3/2/23 1:52	SFM
Bromomethane	ND	0.10	0.067		ND	0.39	0.26	2	3/2/23 1:52	SFM
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	3/2/23 1:52	SFM
2-Butanone (MEK)	1.5	4.0	1.1	J	4.5	12	3.1	2	3/2/23 1:52	SFM
Carbon Disulfide	ND	1.0	0.092		ND	3.1	0.29	2	3/2/23 1:52	SFM
Carbon Tetrachloride	ND	0.10	0.080		ND	0.63	0.50	2	3/2/23 1:52	SFM
Chlorobenzene	ND	0.10	0.066		ND	0.46	0.31	2	3/2/23 1:52	SFM
Chloroethane	ND	0.10	0.089		ND	0.26	0.23	2	3/2/23 1:52	SFM
Chloroform	0.23	0.10	0.095		1.1	0.49	0.46	2	3/2/23 1:52	SFM
Chloromethane	0.36	0.20	0.079		0.74	0.41	0.16	2	3/2/23 1:52	SFM
Cyclohexane	0.84	0.10	0.060		2.9	0.34	0.21	2	3/2/23 1:52	SFM
Dibromochloromethane	ND	0.10	0.066		ND	0.85	0.56	2	3/2/23 1:52	SFM
1,2-Dibromoethane (EDB)	ND	0.10	0.060		ND	0.77	0.46	2	3/2/23 1:52	SFM
1,2-Dichlorobenzene	ND	0.10	0.057		ND	0.60	0.35	2	3/2/23 1:52	SFM
1,3-Dichlorobenzene	ND	0.10	0.055		ND	0.60	0.33	2	3/2/23 1:52	SFM
1,4-Dichlorobenzene	ND	0.10	0.065		ND	0.60	0.39	2	3/2/23 1:52	SFM
Dichlorodifluoromethane (Freon 12)	0.33	0.10	0.098		1.6	0.49	0.48	2	3/2/23 1:52	SFM
1,1-Dichloroethane	ND	0.10	0.087		ND	0.40	0.35	2	3/2/23 1:52	SFM
1,2-Dichloroethane	ND	0.10	0.091		ND	0.40	0.37	2	3/2/23 1:52	SFM
1,1-Dichloroethylene	ND	0.10	0.076		ND	0.40	0.30	2	3/2/23 1:52	SFM
cis-1,2-Dichloroethylene	1.6	0.10	0.073		6.4	0.40	0.29	2	3/2/23 1:52	SFM
trans-1,2-Dichloroethylene	ND	0.10	0.079		ND	0.40	0.31	2	3/2/23 1:52	SFM
1,2-Dichloropropane	ND	0.10	0.054		ND	0.46	0.25	2	3/2/23 1:52	SFM
cis-1,3-Dichloropropene	ND	0.10	0.052		ND	0.45	0.24	2	3/2/23 1:52	SFM
trans-1,3-Dichloropropene	ND	0.10	0.051		ND	0.45	0.23	2	3/2/23 1:52	SFM
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.098		ND	0.70	0.69	2	3/2/23 1:52	SFM
1,4-Dioxane	ND	1.0	0.083		ND	3.6	0.30	2	3/2/23 1:52	SFM
Ethanol	33	4.0	1.8		61	7.5	3.3	2	3/2/23 1:52	SFM
Ethyl Acetate	1.6	1.0	0.51		5.8	3.6	1.8	2	3/2/23 1:52	SFM
Ethylbenzene	6.4	0.10	0.058		28	0.43	0.25	2	3/2/23 1:52	SFM
4-Ethyltoluene	3.0	0.10	0.061		15	0.49	0.30	2	3/2/23 1:52	SFM
Heptane	2.3	0.10	0.064		9.5	0.41	0.26	2	3/2/23 1:52	SFM
Hexachlorobutadiene	ND	0.10	0.082		ND	1.1	0.88	2	3/2/23 1:52	SFM
Hexane	2.8	4.0	0.52	J	9.8	14	1.8	2	3/2/23 1:52	SFM
2-Hexanone (MBK)	ND	0.10	0.050		ND	0.41	0.20	2	3/2/23 1:52	SFM
Isopropanol	4.4	4.0	0.69		11	9.8	1.7	2	3/2/23 1:52	SFM
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.077		ND	0.36	0.28	2	3/2/23 1:52	SFM
Methylene Chloride	ND	1.0	0.46		ND	3.5	1.6	2	3/2/23 1:52	SFM
4-Methyl-2-pentanone (MIBK)	0.11	0.10	0.053		0.47	0.41	0.22	2	3/2/23 1:52	SFM
Naphthalene	0.086	0.10	0.075	J	0.45	0.52	0.40	2	3/2/23 1:52	SFM
Propene	1.2	4.0	0.88	J	2.1	6.9	1.5	2	3/2/23 1:52	SFM
Styrene	0.18	0.10	0.053		0.75	0.43	0.22	2	3/2/23 1:52	SFM
1,1,2,2-Tetrachloroethane	ND	0.10	0.054		ND	0.69	0.37	2	3/2/23 1:52	SFM

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 2/21/2023
Field Sample #: Effluent 21723
Sample ID: 23B2429-02
Sample Matrix: Soil Gas
Sampled: 2/17/2023 09:32

Sample Description/Location:
Sub Description/Location:
Canister ID: 2367
Canister Size: 3 liter
Flow Controller ID: 4253
Sample Type: 30 min

Work Order: 23B2429
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -1.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	140	1.0	0.76		950	6.8	5.2	20	3/2/23 2:32	SFM
Tetrahydrofuran	0.72	1.0	0.16	J	2.1	2.9	0.48	2	3/2/23 1:52	SFM
Toluene	21	0.10	0.057		79	0.38	0.22	2	3/2/23 1:52	SFM
1,2,4-Trichlorobenzene	ND	0.10	0.093		ND	0.74	0.69	2	3/2/23 1:52	SFM
1,1,1-Trichloroethane	ND	0.10	0.079		ND	0.55	0.43	2	3/2/23 1:52	SFM
1,1,2-Trichloroethane	ND	0.10	0.070		ND	0.55	0.38	2	3/2/23 1:52	SFM
Trichloroethylene	1.3	0.10	0.067		6.8	0.54	0.36	2	3/2/23 1:52	SFM
Trichlorofluoromethane (Freon 11)	0.13	0.40	0.12	J	0.71	2.2	0.66	2	3/2/23 1:52	SFM
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40	0.11		ND	3.1	0.85	2	3/2/23 1:52	SFM
1,2,4-Trimethylbenzene	12	0.10	0.044		59	0.49	0.22	2	3/2/23 1:52	SFM
1,3,5-Trimethylbenzene	4.0	0.10	0.053		20	0.49	0.26	2	3/2/23 1:52	SFM
Vinyl Acetate	ND	2.0	0.54		ND	7.0	1.9	2	3/2/23 1:52	SFM
Vinyl Chloride	ND	0.10	0.090		ND	0.26	0.23	2	3/2/23 1:52	SFM
m&p-Xylene	26	0.20	0.11		110	0.87	0.49	2	3/2/23 1:52	SFM
o-Xylene	11	0.10	0.051		47	0.43	0.22	2	3/2/23 1:52	SFM

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	106	70-130	3/2/23 1:52
4-Bromofluorobenzene (1)	104	70-130	3/2/23 2:32

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 2/21/2023
Field Sample #: Effluent Duplicate 21723
Sample ID: 23B2429-03
Sample Matrix: Soil Gas
Sampled: 2/17/2023 09:32

Sample Description/Location:
Sub Description/Location:
Canister ID: 2612
Canister Size: 3 liter
Flow Controller ID: 4134
Sample Type: 30 min

Work Order: 23B2429
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	4.0	2.4		ND	9.5	5.7	2	3/2/23 1:10	SFM
Benzene	2.4	0.10	0.076		7.7	0.32	0.24	2	3/2/23 1:10	SFM
Benzyl chloride	ND	0.10	0.088		ND	0.52	0.46	2	3/2/23 1:10	SFM
Bromodichloromethane	ND	0.10	0.070		ND	0.67	0.47	2	3/2/23 1:10	SFM
Bromoform	ND	0.10	0.068		ND	1.0	0.70	2	3/2/23 1:10	SFM
Bromomethane	ND	0.10	0.067		ND	0.39	0.26	2	3/2/23 1:10	SFM
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	3/2/23 1:10	SFM
2-Butanone (MEK)	1.2	4.0	1.1	J	3.6	12	3.1	2	3/2/23 1:10	SFM
Carbon Disulfide	ND	1.0	0.092		ND	3.1	0.29	2	3/2/23 1:10	SFM
Carbon Tetrachloride	ND	0.10	0.080		ND	0.63	0.50	2	3/2/23 1:10	SFM
Chlorobenzene	ND	0.10	0.066		ND	0.46	0.31	2	3/2/23 1:10	SFM
Chloroethane	ND	0.10	0.089		ND	0.26	0.23	2	3/2/23 1:10	SFM
Chloroform	0.29	0.10	0.095		1.4	0.49	0.46	2	3/2/23 1:10	SFM
Chloromethane	0.26	0.20	0.079		0.54	0.41	0.16	2	3/2/23 1:10	SFM
Cyclohexane	1.3	0.10	0.060		4.6	0.34	0.21	2	3/2/23 1:10	SFM
Dibromochloromethane	ND	0.10	0.066		ND	0.85	0.56	2	3/2/23 1:10	SFM
1,2-Dibromoethane (EDB)	ND	0.10	0.060		ND	0.77	0.46	2	3/2/23 1:10	SFM
1,2-Dichlorobenzene	ND	0.10	0.057		ND	0.60	0.35	2	3/2/23 1:10	SFM
1,3-Dichlorobenzene	ND	0.10	0.055		ND	0.60	0.33	2	3/2/23 1:10	SFM
1,4-Dichlorobenzene	ND	0.10	0.065		ND	0.60	0.39	2	3/2/23 1:10	SFM
Dichlorodifluoromethane (Freon 12)	0.29	0.10	0.098		1.4	0.49	0.48	2	3/2/23 1:10	SFM
1,1-Dichloroethane	ND	0.10	0.087		ND	0.40	0.35	2	3/2/23 1:10	SFM
1,2-Dichloroethane	ND	0.10	0.091		ND	0.40	0.37	2	3/2/23 1:10	SFM
1,1-Dichloroethylene	ND	0.10	0.076		ND	0.40	0.30	2	3/2/23 1:10	SFM
cis-1,2-Dichloroethylene	2.4	0.10	0.073		9.4	0.40	0.29	2	3/2/23 1:10	SFM
trans-1,2-Dichloroethylene	ND	0.10	0.079		ND	0.40	0.31	2	3/2/23 1:10	SFM
1,2-Dichloropropane	ND	0.10	0.054		ND	0.46	0.25	2	3/2/23 1:10	SFM
cis-1,3-Dichloropropene	ND	0.10	0.052		ND	0.45	0.24	2	3/2/23 1:10	SFM
trans-1,3-Dichloropropene	ND	0.10	0.051		ND	0.45	0.23	2	3/2/23 1:10	SFM
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.098		ND	0.70	0.69	2	3/2/23 1:10	SFM
1,4-Dioxane	ND	1.0	0.083		ND	3.6	0.30	2	3/2/23 1:10	SFM
Ethanol	29	4.0	1.8		54	7.5	3.3	2	3/2/23 1:10	SFM
Ethyl Acetate	ND	1.0	0.51		ND	3.6	1.8	2	3/2/23 1:10	SFM
Ethylbenzene	8.1	0.10	0.058		35	0.43	0.25	2	3/2/23 1:10	SFM
4-Ethyltoluene	3.2	0.10	0.061		16	0.49	0.30	2	3/2/23 1:10	SFM
Heptane	3.5	0.10	0.064		14	0.41	0.26	2	3/2/23 1:10	SFM
Hexachlorobutadiene	ND	0.10	0.082		ND	1.1	0.88	2	3/2/23 1:10	SFM
Hexane	4.4	4.0	0.52		16	14	1.8	2	3/2/23 1:10	SFM
2-Hexanone (MBK)	ND	0.10	0.050		ND	0.41	0.20	2	3/2/23 1:10	SFM
Isopropanol	3.9	4.0	0.69	J	9.6	9.8	1.7	2	3/2/23 1:10	SFM
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.077		ND	0.36	0.28	2	3/2/23 1:10	SFM
Methylene Chloride	ND	1.0	0.46		ND	3.5	1.6	2	3/2/23 1:10	SFM
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	3/2/23 1:10	SFM
Naphthalene	0.082	0.10	0.075	J	0.43	0.52	0.40	2	3/2/23 1:10	SFM
Propene	ND	4.0	0.88		ND	6.9	1.5	2	3/2/23 1:10	SFM
Styrene	0.058	0.10	0.053	J	0.25	0.43	0.22	2	3/2/23 1:10	SFM
1,1,2,2-Tetrachloroethane	ND	0.10	0.054		ND	0.69	0.37	2	3/2/23 1:10	SFM

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 2/21/2023
Field Sample #: Effluent Duplicate 21723
Sample ID: 23B2429-03
Sample Matrix: Soil Gas
Sampled: 2/17/2023 09:32

Sample Description/Location:
Sub Description/Location:
Canister ID: 2612
Canister Size: 3 liter
Flow Controller ID: 4134
Sample Type: 30 min

Work Order: 23B2429
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	150	0.50	0.38		1000	3.4	2.6	10	3/3/23 16:04	CMR
Tetrahydrofuran	1.2	1.0	0.16		3.7	2.9	0.48	2	3/2/23 1:10	SFM
Toluene	28	0.10	0.057		110	0.38	0.22	2	3/2/23 1:10	SFM
1,2,4-Trichlorobenzene	ND	0.10	0.093		ND	0.74	0.69	2	3/2/23 1:10	SFM
1,1,1-Trichloroethane	ND	0.10	0.079		ND	0.55	0.43	2	3/2/23 1:10	SFM
1,1,2-Trichloroethane	ND	0.10	0.070		ND	0.55	0.38	2	3/2/23 1:10	SFM
Trichloroethylene	1.8	0.10	0.067		9.8	0.54	0.36	2	3/2/23 1:10	SFM
Trichlorofluoromethane (Freon 11)	ND	0.40	0.12		ND	2.2	0.66	2	3/2/23 1:10	SFM
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40	0.11		ND	3.1	0.85	2	3/2/23 1:10	SFM
1,2,4-Trimethylbenzene	12	0.10	0.044		58	0.49	0.22	2	3/2/23 1:10	SFM
1,3,5-Trimethylbenzene	3.8	0.10	0.053		19	0.49	0.26	2	3/2/23 1:10	SFM
Vinyl Acetate	ND	2.0	0.54		ND	7.0	1.9	2	3/2/23 1:10	SFM
Vinyl Chloride	ND	0.10	0.090		ND	0.26	0.23	2	3/2/23 1:10	SFM
m&p-Xylene	32	0.20	0.11		140	0.87	0.49	2	3/2/23 1:10	SFM
o-Xylene	13	0.10	0.051		55	0.43	0.22	2	3/2/23 1:10	SFM

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	103	70-130	3/2/23 1:10
4-Bromofluorobenzene (1)	104	70-130	3/3/23 16:04

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
23B2429-01 [Influent 21723]	B333183	1.5	1	N/A	1000	400	10	03/01/23
23B2429-01RE1 [Influent 21723]	B333183	1.5	200	5	1000	400	200	03/01/23
23B2429-02 [Effluent 21723]	B333183	1.5	1	N/A	1000	400	300	03/01/23
23B2429-02RE1 [Effluent 21723]	B333183	1.5	1	N/A	1000	400	30	03/01/23
23B2429-03 [Effluent Duplicate 21723]	B333183	1.5	1	N/A	1000	400	300	03/01/23

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
23B2429-03RE1 [Effluent Duplicate 21723]	B333308	1.5	1	N/A	1000	400	60	03/03/23

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B333183 - TO-15 Prep											
Blank (B333183-BLK1)					Prepared & Analyzed: 03/01/23						
Acetone	ND	1.4									
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.35									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.070									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									
Ethyl Acetate	ND	0.35									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.35									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Propene	ND	1.4									
Styrene	ND	0.035									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B333183 - TO-15 Prep											
Blank (B333183-BLK1)					Prepared & Analyzed: 03/01/23						
1,1,2,2-Tetrachloroethane	ND	0.035									
Tetrachloroethylene	ND	0.035									
Tetrahydrofuran	ND	0.35									
Toluene	ND	0.035									
1,2,4-Trichlorobenzene	ND	0.035									
1,1,1-Trichloroethane	ND	0.035									
1,1,2-Trichloroethane	ND	0.035									
Trichloroethylene	ND	0.035									
Trichlorofluoromethane (Freon 11)	ND	0.14									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14									
1,2,4-Trimethylbenzene	ND	0.035									
1,3,5-Trimethylbenzene	ND	0.035									
Vinyl Acetate	ND	0.70									
Vinyl Chloride	ND	0.035									
m&p-Xylene	ND	0.070									
o-Xylene	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*8.50*				*8.00*		*106*	*70-130*			
LCS (B333183-BS1)					Prepared & Analyzed: 03/01/23						
Acetone	5.30				5.00		106	70-130			
Benzene	4.96				5.00		99.3	70-130			
Benzyl chloride	5.46				5.00		109	70-130			
Bromodichloromethane	4.86				5.00		97.1	70-130			
Bromoform	4.77				5.00		95.4	70-130			
Bromomethane	5.19				5.00		104	70-130			
1,3-Butadiene	4.94				5.00		98.8	70-130			
2-Butanone (MEK)	4.73				5.00		94.5	70-130			
Carbon Disulfide	4.81				5.00		96.3	70-130			
Carbon Tetrachloride	4.77				5.00		95.4	70-130			
Chlorobenzene	4.67				5.00		93.4	70-130			
Chloroethane	5.49				5.00		110	70-130			
Chloroform	4.75				5.00		95.0	70-130			
Chloromethane	4.77				5.00		95.4	70-130			
Cyclohexane	5.00				5.00		100	70-130			
Dibromochloromethane	4.82				5.00		96.4	70-130			
1,2-Dibromoethane (EDB)	4.67				5.00		93.4	70-130			
1,2-Dichlorobenzene	4.82				5.00		96.5	70-130			
1,3-Dichlorobenzene	4.97				5.00		99.4	70-130			
1,4-Dichlorobenzene	4.96				5.00		99.2	70-130			
Dichlorodifluoromethane (Freon 12)	4.92				5.00		98.4	70-130			
1,1-Dichloroethane	4.92				5.00		98.4	70-130			
1,2-Dichloroethane	4.94				5.00		98.8	70-130			
1,1-Dichloroethylene	4.99				5.00		99.9	70-130			
cis-1,2-Dichloroethylene	4.76				5.00		95.3	70-130			
trans-1,2-Dichloroethylene	4.75				5.00		94.9	70-130			
1,2-Dichloropropane	5.09				5.00		102	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B333183 - TO-15 Prep											
LCS (B333183-BS1)					Prepared & Analyzed: 03/01/23						
cis-1,3-Dichloropropene	4.94				5.00		98.7	70-130			
trans-1,3-Dichloropropene	5.06				5.00		101	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.85				5.00		96.9	70-130			
1,4-Dioxane	5.00				5.00		100	70-130			
Ethanol	4.73				5.00		94.7	70-130			
Ethyl Acetate	4.87				5.00		97.4	70-130			
Ethylbenzene	4.93				5.00		98.7	70-130			
4-Ethyltoluene	5.16				5.00		103	70-130			
Heptane	5.17				5.00		103	70-130			
Hexachlorobutadiene	4.17				5.00		83.4	70-130			
Hexane	5.15				5.00		103	70-130			
2-Hexanone (MBK)	4.99				5.00		99.9	70-130			
Isopropanol	4.47				5.00		89.3	70-130			
Methyl tert-Butyl Ether (MTBE)	4.71				5.00		94.2	70-130			
Methylene Chloride	4.28				5.00		85.5	70-130			
4-Methyl-2-pentanone (MIBK)	5.00				5.00		100	70-130			
Naphthalene	4.83				5.00		96.6	70-130			
Propene	4.55				5.00		91.0	70-130			
Styrene	5.09				5.00		102	70-130			
1,1,2,2-Tetrachloroethane	4.87				5.00		97.4	70-130			
Tetrachloroethylene	4.63				5.00		92.5	70-130			
Tetrahydrofuran	4.98				5.00		99.5	70-130			
Toluene	4.85				5.00		96.9	70-130			
1,2,4-Trichlorobenzene	4.26				5.00		85.2	70-130			
1,1,1-Trichloroethane	4.61				5.00		92.3	70-130			
1,1,2-Trichloroethane	4.77				5.00		95.3	70-130			
Trichloroethylene	4.81				5.00		96.2	70-130			
Trichlorofluoromethane (Freon 11)	5.38				5.00		108	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.52				5.00		90.4	70-130			
1,2,4-Trimethylbenzene	5.10				5.00		102	70-130			
1,3,5-Trimethylbenzene	5.09				5.00		102	70-130			
Vinyl Acetate	4.12				5.00		82.5	70-130			
Vinyl Chloride	5.30				5.00		106	70-130			
m&p-Xylene	10.1				10.0		101	70-130			
o-Xylene	5.12				5.00		102	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.45*				*8.00*		*106*	*70-130*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B333308 - TO-15 Prep											
Blank (B333308-BLK1)					Prepared & Analyzed: 03/03/23						
Acetone	ND	1.4									
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.35									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.070									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									
Ethyl Acetate	ND	0.35									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.35									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Propene	ND	1.4									
Styrene	ND	0.035									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B333308 - TO-15 Prep											
Blank (B333308-BLK1)					Prepared & Analyzed: 03/03/23						
1,1,2,2-Tetrachloroethane	ND	0.035									
Tetrachloroethylene	ND	0.035									
Tetrahydrofuran	ND	0.35									
Toluene	ND	0.035									
1,2,4-Trichlorobenzene	ND	0.035									
1,1,1-Trichloroethane	ND	0.035									
1,1,2-Trichloroethane	ND	0.035									
Trichloroethylene	ND	0.035									
Trichlorofluoromethane (Freon 11)	ND	0.14									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14									
1,2,4-Trimethylbenzene	ND	0.035									
1,3,5-Trimethylbenzene	ND	0.035									
Vinyl Acetate	ND	0.70									
Vinyl Chloride	ND	0.035									
m&p-Xylene	ND	0.070									
o-Xylene	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*8.01*				*8.00*		*100*	*70-130*			
LCS (B333308-BS1)					Prepared & Analyzed: 03/03/23						
Acetone	5.28				5.00		106	70-130			
Benzene	4.81				5.00		96.1	70-130			
Benzyl chloride	5.24				5.00		105	70-130			
Bromodichloromethane	4.73				5.00		94.6	70-130			
Bromoform	4.54				5.00		90.8	70-130			
Bromomethane	5.09				5.00		102	70-130			
1,3-Butadiene	4.78				5.00		95.6	70-130			
2-Butanone (MEK)	4.63				5.00		92.7	70-130			
Carbon Disulfide	4.61				5.00		92.2	70-130			
Carbon Tetrachloride	4.56				5.00		91.2	70-130			
Chlorobenzene	4.47				5.00		89.3	70-130			
Chloroethane	5.43				5.00		109	70-130			
Chloroform	4.58				5.00		91.5	70-130			
Chloromethane	4.58				5.00		91.7	70-130			
Cyclohexane	4.87				5.00		97.5	70-130			
Dibromochloromethane	4.62				5.00		92.4	70-130			
1,2-Dibromoethane (EDB)	4.49				5.00		89.8	70-130			
1,2-Dichlorobenzene	4.68				5.00		93.6	70-130			
1,3-Dichlorobenzene	4.80				5.00		96.1	70-130			
1,4-Dichlorobenzene	4.80				5.00		96.0	70-130			
Dichlorodifluoromethane (Freon 12)	4.71				5.00		94.2	70-130			
1,1-Dichloroethane	4.75				5.00		95.1	70-130			
1,2-Dichloroethane	4.78				5.00		95.7	70-130			
1,1-Dichloroethylene	4.79				5.00		95.8	70-130			
cis-1,2-Dichloroethylene	4.54				5.00		90.8	70-130			
trans-1,2-Dichloroethylene	4.53				5.00		90.7	70-130			
1,2-Dichloropropane	4.98				5.00		99.7	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B333308 - TO-15 Prep											
LCS (B333308-BS1)					Prepared & Analyzed: 03/03/23						
cis-1,3-Dichloropropene	4.74				5.00		94.8	70-130			
trans-1,3-Dichloropropene	4.83				5.00		96.7	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.70				5.00		94.0	70-130			
1,4-Dioxane	4.88				5.00		97.5	70-130			
Ethanol	4.63				5.00		92.7	70-130			
Ethyl Acetate	4.81				5.00		96.2	70-130			
Ethylbenzene	4.71				5.00		94.1	70-130			
4-Ethyltoluene	4.96				5.00		99.3	70-130			
Heptane	5.00				5.00		100	70-130			
Hexachlorobutadiene	4.13				5.00		82.5	70-130			
Hexane	4.93				5.00		98.7	70-130			
2-Hexanone (MBK)	4.87				5.00		97.4	70-130			
Isopropanol	4.45				5.00		89.0	70-130			
Methyl tert-Butyl Ether (MTBE)	4.47				5.00		89.4	70-130			
Methylene Chloride	4.12				5.00		82.4	70-130			
4-Methyl-2-pentanone (MIBK)	4.89				5.00		97.7	70-130			
Naphthalene	4.70				5.00		94.0	70-130			
Propene	4.47				5.00		89.4	70-130			
Styrene	4.84				5.00		96.8	70-130			
1,1,2,2-Tetrachloroethane	4.76				5.00		95.1	70-130			
Tetrachloroethylene	4.43				5.00		88.6	70-130			
Tetrahydrofuran	4.80				5.00		96.1	70-130			
Toluene	4.63				5.00		92.6	70-130			
1,2,4-Trichlorobenzene	4.15				5.00		83.0	70-130			
1,1,1-Trichloroethane	4.40				5.00		88.0	70-130			
1,1,2-Trichloroethane	4.60				5.00		92.0	70-130			
Trichloroethylene	4.66				5.00		93.2	70-130			
Trichlorofluoromethane (Freon 11)	5.33				5.00		107	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.32				5.00		86.4	70-130			
1,2,4-Trimethylbenzene	4.89				5.00		97.7	70-130			
1,3,5-Trimethylbenzene	4.90				5.00		98.1	70-130			
Vinyl Acetate	3.94				5.00		78.8	70-130			
Vinyl Chloride	5.12				5.00		102	70-130			
m&p-Xylene	9.73				10.0		97.3	70-130			
o-Xylene	4.94				5.00		98.9	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.48*				*8.00*		*106*	*70-130*			

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Note: Blank Subtraction is not performed unless otherwise noted

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
RL-11	Elevated reporting limit due to high concentration of target compounds.

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ANALYST

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S076501-ICV1)			Lab File ID: G22A256016.D			Analyzed: 09/13/22 22:00			
Bromochloromethane (1)	1141026	8.307	1141026	8.307	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2751702	10.081	2751702	10.081	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2471195	14.446	2471195	14.446	100	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S084077-CCV1)			Lab File ID: G23A060004.D			Analyzed: 03/01/23 12:06			
Bromochloromethane (1)	1110116	8.301	1110116	8.301	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2599005	10.075	2599005	10.075	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2390985	14.44	2390985	14.44	100	60 - 140	0.0000	+/-0.50	
LCS (B333183-BS1)			Lab File ID: G23A060005.D			Analyzed: 03/01/23 12:46			
Bromochloromethane (1)	1103831	8.301	1110116	8.301	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2546343	10.075	2599005	10.075	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2353277	14.44	2390985	14.44	98	60 - 140	0.0000	+/-0.50	
Blank (B333183-BLK1)			Lab File ID: G23A060010.D			Analyzed: 03/01/23 16:15			
Bromochloromethane (1)	1136414	8.307	1110116	8.301	102	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2685437	10.075	2599005	10.075	103	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2482406	14.44	2390985	14.44	104	60 - 140	0.0000	+/-0.50	
Effluent Duplicate 21723 (23B2429-03)			Lab File ID: G23A060023.D			Analyzed: 03/02/23 01:10			
Bromochloromethane (1)	1185227	8.301	1110116	8.301	107	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2782165	10.075	2599005	10.075	107	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2621842	14.44	2390985	14.44	110	60 - 140	0.0000	+/-0.50	
Effluent 21723 (23B2429-02)			Lab File ID: G23A060024.D			Analyzed: 03/02/23 01:52			
Bromochloromethane (1)	1234378	8.301	1110116	8.301	111	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2989828	10.075	2599005	10.075	115	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2797618	14.44	2390985	14.44	117	60 - 140	0.0000	+/-0.50	
Effluent 21723 (23B2429-02RE1)			Lab File ID: G23A060025.D			Analyzed: 03/02/23 02:32			
Bromochloromethane (1)	1212651	8.307	1110116	8.301	109	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2998801	10.075	2599005	10.075	115	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2777967	14.44	2390985	14.44	116	60 - 140	0.0000	+/-0.50	
Influent 21723 (23B2429-01)			Lab File ID: G23A060026.D			Analyzed: 03/02/23 03:11			
Bromochloromethane (1)	1161099	8.307	1110116	8.301	105	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2775864	10.075	2599005	10.075	107	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2580276	14.44	2390985	14.44	108	60 - 140	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Influent 21723 (23B2429-01RE1)			Lab File ID: G23A060027.D			Analyzed: 03/02/23 03:52			
Bromochloromethane (1)	1254264	8.301	1110116	8.301	113	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3051410	10.075	2599005	10.075	117	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2814932	14.44	2390985	14.44	118	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S084142-CCV1)			Lab File ID: G23A062004.D			Analyzed: 03/03/23 12:36			
Bromochloromethane (1)	1105307	8.295	1105307	8.295	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2524146	10.069	2524146	10.069	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2335848	14.44	2335848	14.44	100	60 - 140	0.0000	+/-0.50	
LCS (B333308-BS1)			Lab File ID: G23A062005.D			Analyzed: 03/03/23 13:16			
Bromochloromethane (1)	1079360	8.295	1105307	8.295	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2478291	10.075	2524146	10.069	98	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2304594	14.44	2335848	14.44	99	60 - 140	0.0000	+/-0.50	
Blank (B333308-BLK1)			Lab File ID: G23A062008.D			Analyzed: 03/03/23 15:24			
Bromochloromethane (1)	998604	8.3	1105307	8.295	90	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	2167263	10.075	2524146	10.069	86	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2020638	14.44	2335848	14.44	87	60 - 140	0.0000	+/-0.50	
Effluent Duplicate 21723 (23B2429-03RE1)			Lab File ID: G23A062009.D			Analyzed: 03/03/23 16:04			
Bromochloromethane (1)	1032151	8.3	1105307	8.295	93	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	2288069	10.075	2524146	10.069	91	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2195276	14.44	2335848	14.44	94	60 - 140	0.0000	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S084077-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	5.46	1.084004	1.183777		9.2	30
Benzene	A	5.00	4.96	0.9129288	0.9048632		-0.9	30
Benzyl chloride	A	5.00	5.55	1.030942	1.144379		11.0	30
Bromodichloromethane	A	5.00	4.93	0.6953811	0.6858902		-1.4	30
Bromoform	A	5.00	4.93	0.5656468	0.5575356		-1.4	30
Bromomethane	A	5.00	5.32	0.6009459	0.6393235		6.4	30
1,3-Butadiene	A	5.00	5.24	0.5443004	0.5706114		4.8	30
2-Butanone (MEK)	A	5.00	4.78	1.507683	1.439845		-4.5	30
Carbon Disulfide	A	5.00	4.74	2.02748	1.924184		-5.1	30
Carbon Tetrachloride	A	5.00	4.82	0.5479998	0.5282286		-3.6	30
Chlorobenzene	A	5.00	4.76	0.8809329	0.8394043		-4.7	30
Chloroethane	A	5.00	5.46	0.3452967	0.3773919		9.3	30
Chloroform	A	5.00	4.75	1.561184	1.484044		-4.9	30
Chloromethane	A	5.00	4.94	0.6821899	0.6735339		-1.3	30
Cyclohexane	A	5.00	5.03	0.3600845	0.3624624		0.7	30
Dibromochloromethane	A	5.00	4.95	0.6396581	0.6333758		-1.0	30
1,2-Dibromoethane (EDB)	A	5.00	4.80	0.6171207	0.5918665		-4.1	30
1,2-Dichlorobenzene	A	5.00	4.90	0.6937094	0.6800632		-2.0	30
1,3-Dichlorobenzene	A	5.00	5.08	0.7409581	0.7530232		1.6	30
1,4-Dichlorobenzene	A	5.00	5.09	0.7218155	0.7347258		1.8	30
Dichlorodifluoromethane (Freon 12)	A	5.00	4.90	1.62808	1.59613		-2.0	30
1,1-Dichloroethane	A	5.00	4.89	1.342742	1.313793		-2.2	30
1,2-Dichloroethane	A	5.00	5.01	0.9627523	0.9638575		0.1	30
1,1-Dichloroethylene	A	5.00	5.02	1.140142	1.145561		0.5	30
cis-1,2-Dichloroethylene	A	5.00	4.83	0.9670963	0.9342404		-3.4	30
trans-1,2-Dichloroethylene	A	5.00	4.84	1.001825	0.9700593		-3.2	30
1,2-Dichloropropane	A	5.00	5.04	0.3567989	0.3596398		0.8	30
cis-1,3-Dichloropropene	A	5.00	5.06	0.5092852	0.5157241		1.3	30
trans-1,3-Dichloropropene	A	5.00	4.99	0.4570981	0.4562503		-0.2	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.28	1.73998	1.836186		5.5	30
1,4-Dioxane	A	5.00	4.92	0.1857641	0.1827087		-1.6	30
Ethanol	A	5.00	4.62	0.2343264	0.2167096		-7.5	30
Ethyl Acetate	A	5.00	5.30	0.2308163	0.2448422		6.1	30
Ethylbenzene	A	5.00	5.01	1.455024	1.45884		0.3	30
4-Ethyltoluene	A	5.00	5.25	1.413771	1.484176		5.0	30
Heptane	A	5.00	5.19	0.2850308	0.2961065		3.9	30
Hexachlorobutadiene	A	5.00	4.60	0.4677459	0.4302682		-8.0	30
Hexane	A	5.00	5.22	0.8985394	0.8817298		4.5	30

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EPA TO-15

S084077-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	5.05	0.7712864	0.7786983		1.0	30
Isopropanol	A	5.00	5.27	1.338902	1.412115		5.5	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.79	1.834723	1.758215		-4.2	30
Methylene Chloride	A	5.00	4.34	0.9597215	0.8329421		-13.2	30
4-Methyl-2-pentanone (MIBK)	A	5.00	5.06	0.7726854	0.7813753		1.1	30
Naphthalene	A	5.00	4.93	1.092246	1.07738		-1.4	30
Propene	A	5.00	4.82	0.5941328	0.5726738		-3.6	30
Styrene	A	5.00	5.18	0.7890752	0.8172746		3.6	30
1,1,2,2-Tetrachloroethane	A	5.00	4.93	0.9851261	0.9719951		-1.3	30
Tetrachloroethylene	A	5.00	4.70	0.457194	0.4300661		-5.9	30
Tetrahydrofuran	A	5.00	4.78	0.2957092	0.2829124		-4.3	30
Toluene	A	5.00	4.89	1.15399	1.128075		-2.2	30
1,2,4-Trichlorobenzene	A	5.00	4.50	0.4973623	0.447353		-10.1	30
1,1,1-Trichloroethane	A	5.00	4.81	0.5975698	0.5749129		-3.8	30
1,1,2-Trichloroethane	A	5.00	4.75	0.4162703	0.3957693		-4.9	30
Trichloroethylene	A	5.00	4.85	0.3947958	0.3832291		-2.9	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.51	1.463327	1.61137		10.1	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.60	1.432547	1.318171		-8.0	30
1,2,4-Trimethylbenzene	A	5.00	5.24	1.156019	1.212082		4.8	30
1,3,5-Trimethylbenzene	A	5.00	5.26	1.190388	1.251871		5.2	30
Vinyl Acetate	A	5.00	4.03	1.986739	1.602883		-19.3	30
Vinyl Chloride	A	5.00	5.43	0.7142115	0.7757042		8.6	30
m&p-Xylene	A	10.0	10.3	1.129066	1.16262		3.0	30
o-Xylene	A	5.00	5.16	1.138955	1.175063		3.2	30

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

* Values outside of QC limits

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CONTINUING CALIBRATION CHECK

EPA TO-15

S084142-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	5.32	1.084004	1.153049		6.4	30
Benzene	A	5.00	4.85	0.9129288	0.8860565		-2.9	30
Benzyl chloride	A	5.00	5.34	1.030942	1.101765		6.9	30
Bromodichloromethane	A	5.00	4.81	0.6953811	0.6688253		-3.8	30
Bromoform	A	5.00	4.66	0.5656468	0.5276946		-6.7	30
Bromomethane	A	5.00	5.24	0.6009459	0.6298674		4.8	30
1,3-Butadiene	A	5.00	5.10	0.5443004	0.5552644		2.0	30
2-Butanone (MEK)	A	5.00	4.49	1.507683	1.352952		-10.3	30
Carbon Disulfide	A	5.00	4.53	2.02748	1.836028		-9.4	30
Carbon Tetrachloride	A	5.00	4.66	0.5479998	0.5108117		-6.8	30
Chlorobenzene	A	5.00	4.61	0.8809329	0.8129693		-7.7	30
Chloroethane	A	5.00	5.44	0.3452967	0.3760012		8.9	30
Chloroform	A	5.00	4.55	1.561184	1.419548		-9.1	30
Chloromethane	A	5.00	4.79	0.6821899	0.6536551		-4.2	30
Cyclohexane	A	5.00	4.90	0.3600845	0.3528943		-2.0	30
Dibromochloromethane	A	5.00	4.72	0.6396581	0.6038229		-5.6	30
1,2-Dibromoethane (EDB)	A	5.00	4.64	0.6171207	0.5721256		-7.3	30
1,2-Dichlorobenzene	A	5.00	4.76	0.6937094	0.660941		-4.7	30
1,3-Dichlorobenzene	A	5.00	4.91	0.7409581	0.7269637		-1.9	30
1,4-Dichlorobenzene	A	5.00	4.90	0.7218155	0.7071851		-2.0	30
Dichlorodifluoromethane (Freon 12)	A	5.00	4.63	1.62808	1.507622		-7.4	30
1,1-Dichloroethane	A	5.00	4.68	1.342742	1.256492		-6.4	30
1,2-Dichloroethane	A	5.00	4.75	0.9627523	0.9145622		-5.0	30
1,1-Dichloroethylene	A	5.00	4.73	1.140142	1.079296		-5.3	30
cis-1,2-Dichloroethylene	A	5.00	4.58	0.9670963	0.8866416		-8.3	30
trans-1,2-Dichloroethylene	A	5.00	4.61	1.001825	0.9232461		-7.8	30
1,2-Dichloropropane	A	5.00	4.95	0.3567989	0.3529843		-1.1	30
cis-1,3-Dichloropropene	A	5.00	4.89	0.5092852	0.4981569		-2.2	30
trans-1,3-Dichloropropene	A	5.00	4.82	0.4570981	0.4402991		-3.7	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.11	1.73998	1.777862		2.2	30
1,4-Dioxane	A	5.00	4.71	0.1857641	0.1750986		-5.7	30
Ethanol	A	5.00	4.50	0.2343264	0.2106854		-10.1	30
Ethyl Acetate	A	5.00	5.05	0.2308163	0.2332311		1.0	30
Ethylbenzene	A	5.00	4.83	1.455024	1.405634		-3.4	30
4-Ethyltoluene	A	5.00	5.04	1.413771	1.425536		0.8	30
Heptane	A	5.00	5.06	0.2850308	0.2883725		1.2	30
Hexachlorobutadiene	A	5.00	4.52	0.4677459	0.422757		-9.6	30
Hexane	A	5.00	4.99	0.8985394	0.841747		-0.2	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S084142-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	4.91	0.7712864	0.7569534		-1.9	30
Isopropanol	A	5.00	5.16	1.338902	1.381841		3.2	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.50	1.834723	1.650818		-10.0	30
Methylene Chloride	A	5.00	4.11	0.9597215	0.7892178		-17.8	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.96	0.7726854	0.7663741		-0.8	30
Naphthalene	A	5.00	4.73	1.092246	1.033832		-5.3	30
Propene	A	5.00	4.54	0.5941328	0.5396785		-9.2	30
Styrene	A	5.00	4.96	0.7890752	0.7828729		-0.8	30
1,1,2,2-Tetrachloroethane	A	5.00	4.84	0.9851261	0.9544087		-3.1	30
Tetrachloroethylene	A	5.00	4.50	0.457194	0.4118227		-9.9	30
Tetrahydrofuran	A	5.00	4.52	0.2957092	0.2673574		-9.6	30
Toluene	A	5.00	4.68	1.15399	1.08047		-6.4	30
1,2,4-Trichlorobenzene	A	5.00	4.34	0.4973623	0.432024		-13.1	30
1,1,1-Trichloroethane	A	5.00	4.67	0.5975698	0.5585934		-6.5	30
1,1,2-Trichloroethane	A	5.00	4.62	0.4162703	0.3845408		-7.6	30
Trichloroethylene	A	5.00	4.73	0.3947958	0.3732057		-5.5	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.44	1.463327	1.592038		8.8	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.36	1.432547	1.24955		-12.8	30
1,2,4-Trimethylbenzene	A	5.00	5.06	1.156019	1.170208		1.2	30
1,3,5-Trimethylbenzene	A	5.00	5.10	1.190388	1.213807		2.0	30
Vinyl Acetate	A	5.00	3.82	1.986739	1.51891		-23.5	30
Vinyl Chloride	A	5.00	5.23	0.7142115	0.7464887		4.5	30
m&p-Xylene	A	10.0	10.0	1.129066	1.129287		0.02	30
o-Xylene	A	5.00	5.06	1.138955	1.151806		1.1	30

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

* Values outside of QC limits

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Acetone	AIHA,NY,ME,NH
Benzene	AIHA,FL,NJ,NY,ME,NH,VA
Benzyl chloride	AIHA,FL,NJ,NY,ME,NH,VA
Bromodichloromethane	AIHA,NJ,NY,ME,NH,VA
Bromoform	AIHA,NJ,NY,ME,NH,VA
Bromomethane	AIHA,FL,NJ,NY,ME,NH
1,3-Butadiene	AIHA,NJ,NY,ME,NH,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,ME,NH,VA
Carbon Disulfide	AIHA,NJ,NY,ME,NH,VA
Carbon Tetrachloride	AIHA,FL,NJ,NY,ME,NH,VA
Chlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Chloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Chloroform	AIHA,FL,NJ,NY,ME,NH,VA
Chloromethane	AIHA,FL,NJ,NY,ME,NH,VA
Cyclohexane	AIHA,NJ,NY,ME,NH,VA
Dibromochloromethane	AIHA,NY,ME,NH
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME,NH
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	AIHA,NJ,NY,ME,NH
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME,NH
1,1-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,ME,NH,VA
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	AIHA,NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA,NJ
Heptane	AIHA,NJ,NY,ME,NH,VA
Hexachlorobutadiene	AIHA,NJ,NY,ME,NH,VA
Hexane	AIHA,FL,NJ,NY,ME,NH,VA
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,ME,NH,VA
Methylene Chloride	AIHA,FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Tetrachloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Tetrahydrofuran	AIHA
Toluene	AIHA,FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	AIHA,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Trichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	AIHA,NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	AIHA,NJ,NY,ME,NH
1,3,5-Trimethylbenzene	AIHA,NJ,NY,ME,NH
Vinyl Acetate	AIHA,FL,NJ,NY,ME,NH,VA
Vinyl Chloride	AIHA,FL,NJ,NY,ME,NH,VA
m&p-Xylene	AIHA,FL,NJ,NY,ME,NH,VA
o-Xylene	AIHA,FL,NJ,NY,ME,NH,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023

con-test ANALYTICAL LABORATORY

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Doc #378 Rev 1_03242017

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

23B2429

Company Name: NYS DEC DER
Address: 625 Broadway Albany NY 12233
Phone: (518) 402 9813
Project Name: Stanley Textile
Project Location: 935 E. Main St. Rochester NY
Project Number: 8728660 Call out ID #
Project Manager: Jasmine Stafansky
Con-Test Quote Name/Number:
Invoice Recipient: Jasmine.Stafansky@doc.NY.Gov
Sampled By: Ryan Glass

Requested Turnaround Time
7-Day ☒ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED

Lab Use: Con-Test Work Order#	Client Use: Client Sample ID / Description	Collection Data: Beginning Date/Time	Collection Data: Ending Date/Time	Duration: Total Minutes Sampled	Flow Rate (m³/min, L/min)	Matrix Code	Volume (Liters, m³)	TO 14/15 Analytical Labs				" Hg Initial Pressure	" Hg Final Pressure	" Hg Lab Receipt Pressure	Summa Can ID	Flow Controller ID
01	Influent 21723	2/17/23 8:55	2/17/23 9:37	42 min		SG		X				-29.5	-4.0		2272	4131
02	Effluent 21723	2/17/23 9:00	2/17/23 9:32	32 min		SG		X				-29.3	-1.2		2367	4253
03	Effluent Duplicate 21723	2/17/23 9:00	2/17/23 9:32	32 min		SG		X				-28.4	-3.3		2612	4135

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments: Email Results to client and cc danw@nwcontracting.com

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 2/17/23	
Received by: (signature) 13:17	Date/Time: 2-21-23	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

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NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

FedEx® Tracking

DELIVERED

Tuesday

2/21/2023 at 1:14 pm

Signed for by: HHENRIQUEZ

Obtain Proof of delivery

How was your delivery?

DELIVERY STATUS

Delivered

TRACKING ID

771117214815

FROM
ALDEN, NY US

PACKAGE RECEIVED BY FEDEX
FARMINGTON, NY
2/17/2023 11:43 AM

IN TRANSIT
WINDSOR, CT
2/21/2023 7:30 AM

OUT FOR DELIVERY
WINDSOR, CT
2/21/2023 7:44 AM

DELIVERED
East Longmeadow, MA US

Delivered
2/21/2023 at 1:14 PM

View travel history

Want updates on this shipment? Enter your email and we will do the rest!

YOUR EMAIL

SUBMIT

MORE OPTIONS

Manage Delivery

Shipment facts

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F:413-525-6405
www.pacelabs.com

Log In Back-Sheet

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

Pace PEOPLE ADVANCING SCIEN

Client NY DEC - DER

Project Staulis Textile

MCP/RCP Required

Deliverable Package Requirement

Location 935 E. Main St Rochester NY

PWSID# (When Applicable)

Arrival Method FedEX 771172148 15

Received By / Date / Time 2-21-23 CMH 1317

Back-Sheet By / Date / Time TPH 2-22-23 1230

Temperature Method #

Temp ≤ 6° C ☐ Actual Temperature

Rush Samples: Yes / No Notify

Short Hold: Yes / No Notify

	True	Fals
Received on Ice	☐	☒
Received in Cooler	☐	☒
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Individually Certified Cans	☐	☒
Trip Blanks	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒

Project ☒ IDs ☒ Collection Date/Time ☒

Notes regarding Samples/COC outside of SOP:

Container	#	Size	Preservative	Holding Time	Accessories			
Summa Cans	3	3L	3	30min	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/ TO-11					Tedlar			

Cans #					Regs #				
2272					4131				
2367					4253				
2612					4134				

Unused Media					Pufs/TO-11's				

Air Sampling Media Certificate of Analysis

Date Analyzed: 11/21/2022 **Batch #:** 22CC0996

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2367

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 3/6/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 1/12/2023 **Batch #:** 23CC0021

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2612

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 3/6/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 1/12/2023 **Batch #:** 23CC022

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2272

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 3/6/23

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

March 31, 2023

Robert Strang
NYDEC_NW Contracting - Alden, NY
3553 Crittenden Road
Alden, NY 14004

Project Location: 935 E. Main St, Rochester, NY
Client Job Number:
Project Number: 828660
Laboratory Work Order Number: 23C2051

Enclosed are results of analyses for samples as received by the laboratory on March 16, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kyle A. Murray
Project Manager

QA Officer
Katherine Allen

Laboratory Manager
Daren Damboragian

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

NYDEC_NW Contracting - Alden, NY
3553 Crittenden Road
Alden, NY 14004
ATTN: Robert Strang

REPORT DATE: 3/31/2023

PURCHASE ORDER NUMBER: 142737

PROJECT NUMBER: 828660

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23C2051

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

PROJECT LOCATION: 935 E. Main St, Rochester, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SVE 1 3/13/23	23C2051-01	Soil Gas		EPA TO-15	
SVE 2 3/13/23	23C2051-02	Soil Gas		EPA TO-15	
SVE 3 3/13/23	23C2051-03	Soil Gas		EPA TO-15	
SVE 4 3/13/23	23C2051-04	Soil Gas		EPA TO-15	
SVE 5 3/13/23	23C2051-05	Soil Gas		EPA TO-15	
SVE 6 3/13/23	23C2051-06	Soil Gas		EPA TO-15	
SVE 7 3/13/23	23C2051-07	Soil Gas		EPA TO-15	
SVE 8 3/13/23	23C2051-08	Soil Gas		EPA TO-15	
SVE 9 3/13/23	23C2051-09	Soil Gas		EPA TO-15	
SVE 10 3/13/23	23C2051-10	Soil Gas		EPA TO-15	
SVE 11 3/13/23	23C2051-11	Soil Gas		EPA TO-15	
SVE 12 3/13/23	23C2051-12	Soil Gas		EPA TO-15	
SVE 13 3/13/23	23C2051-13	Soil Gas		EPA TO-15	
SVE 14 3/13/23	23C2051-14	Soil Gas		EPA TO-15	
SVE Duplicate 14 3/13/23	23C2051-15	Soil Gas		EPA TO-15	
SVE 15 3/13/23	23C2051-16	Soil Gas		EPA TO-15	
SVE 16 3/13/23	23C2051-17	Soil Gas		EPA TO-15	
SVE 17 3/13/23	23C2051-18	Soil Gas		EPA TO-15	
SVE 18 3/13/23	23C2051-19	Soil Gas		EPA TO-15	
Influent 3/13/23	23C2051-20	Soil Gas		EPA TO-15	
Effluent 3/13/23	23C2051-21	Soil Gas		EPA TO-15	
Effluent Duplicate 3/13/23	23C2051-22	Soil Gas		EPA TO-15	

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CASE NARRATIVE SUMMARY

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

EPA TO-15

Qualifications:

L-03 Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene, Hexachlorobutadiene, Naphthalene

23C2051-01[SVE 1 3/13/23], 23C2051-02[SVE 2 3/13/23], 23C2051-03[SVE 3 3/13/23], 23C2051-04[SVE 4 3/13/23], 23C2051-06[SVE 6 3/13/23], 23C2051-07[SVE 7 3/13/23], 23C2051-10[SVE 10 3/13/23], 23C2051-12[SVE 12 3/13/23], 23C2051-13[SVE 13 3/13/23], 23C2051-14[SVE 14 3/13/23], 23C2051-15[SVE Duplicate 14 3/13/23], B335568-BLK1, B335568-BS1, B335568-DUP1, 23C2051-05[SVE 5 3/13/23], 23C2051-08[SVE 8 3/13/23], 23C2051-09[SVE 9 3/13/23], 23C2051- 11[SVE 11 3/13/23], 23C2051-16[SVE 15 3/13/23], 23C2051-17[SVE 16 3/13/23], 23C2051-18[SVE 17 3/13/23], 23C2051-19[SVE 18 3/13/23], 23C2051-20[Influent 3/13/23], 23C2051-21[Effluent 3/13/23], 23C2051-22[Effluent Duplicate 3/13/23], B335795-BLK1, B335795-BS1, B335823-BLK1, B335823-BS1

RL-11 Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23C2051-02[SVE 2 3/13/23], 23C2051-05[SVE 5 3/13/23], 23C2051-06[SVE 6 3/13/23], 23C2051-07[SVE 7 3/13/23], 23C2051-08[SVE 8 3/13/23], 23C2051-09[SVE 9 3/13/23], 23C2051-10[SVE 10 3/13/23], 23C2051-11[SVE 11 3/13/23], 23C2051-12[SVE 12 3/13/23], 23C2051-13[SVE 13 3/13/23], 23C2051-14[SVE 14 3/13/23], 23C2051-16[SVE 15 3/13/23], 23C2051-17[SVE 16 3/13/23], 23C2051-18[SVE 17 3/13/23], 23C2051-19[SVE 18 3/13/23], 23C2051-20[Influent 3/13/23], 23C2051-21[Effluent 3/13/23], 23C2051-22[Effluent Duplicate 3/13/23]

V-05 Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Hexachlorobutadiene, Naphthalene

23C2051-01[SVE 1 3/13/23], 23C2051-02[SVE 2 3/13/23], 23C2051-03[SVE 3 3/13/23], 23C2051-04[SVE 4 3/13/23], 23C2051-05[SVE 5 3/13/23], 23C2051-06[SVE 6 3/13/23], 23C2051-07[SVE 7 3/13/23], 23C2051-08[SVE 8 3/13/23], 23C2051-09[SVE 9 3/13/23], 23C2051-10[SVE 10 3/13/23], 23C2051- 11[SVE 11 3/13/23], 23C2051-12[SVE 12 3/13/23], 23C2051-13[SVE 13 3/13/23], 23C2051-14[SVE 14 3/13/23], 23C2051-15[SVE Duplicate 14 3/13/23], 23C2051-16[SVE 15 3/13/23], 23C2051-17[SVE 16 3/13/23], 23C2051-18[SVE 17 3/13/23], 23C2051-19[SVE 18 3/13/23], 23C2051-20[Influent 3/13/23], 23C2051-21[Effluent 3/13/23], 23C2051-22[Effluent Duplicate 3/13/23], B335568-BLK1, B335568-BS1, B335568-DUP1, B335795-BLK1, B335795-BS1, B335823-BLK1, B335823-BS1, S085184-CCV1, S085299-CCV1, S085326-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Meghan E. Kelley
Reporting Specialist

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 1 3/13/23
Sample ID: 23C2051-01
Sample Matrix: Soil Gas
Sampled: 3/13/2023 11:42

Sample Description/Location:
Sub Description/Location:
Canister ID: 2586
Canister Size: 3 liter
Flow Controller ID: 4125
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	6.3	4.0	2.4		15	9.5	5.7	2	3/28/23 21:49	CMR
Benzene	0.35	0.10	0.076		1.1	0.32	0.24	2	3/28/23 21:49	CMR
Benzyl chloride	ND	0.10	0.088		ND	0.52	0.46	2	3/28/23 21:49	CMR
Bromodichloromethane	ND	0.10	0.070		ND	0.67	0.47	2	3/28/23 21:49	CMR
Bromoform	ND	0.10	0.068		ND	1.0	0.70	2	3/28/23 21:49	CMR
Bromomethane	ND	0.10	0.067		ND	0.39	0.26	2	3/28/23 21:49	CMR
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	3/28/23 21:49	CMR
2-Butanone (MEK)	1.4	4.0	1.1	J	4.0	12	3.1	2	3/28/23 21:49	CMR
Carbon Disulfide	ND	1.0	0.092		ND	3.1	0.29	2	3/28/23 21:49	CMR
Carbon Tetrachloride	ND	0.10	0.080		ND	0.63	0.50	2	3/28/23 21:49	CMR
Chlorobenzene	ND	0.10	0.066		ND	0.46	0.31	2	3/28/23 21:49	CMR
Chloroethane	ND	0.10	0.089		ND	0.26	0.23	2	3/28/23 21:49	CMR
Chloroform	ND	0.10	0.095		ND	0.49	0.46	2	3/28/23 21:49	CMR
Chloromethane	0.34	0.20	0.079		0.70	0.41	0.16	2	3/28/23 21:49	CMR
Cyclohexane	0.11	0.10	0.060		0.39	0.34	0.21	2	3/28/23 21:49	CMR
Dibromochloromethane	ND	0.10	0.066		ND	0.85	0.56	2	3/28/23 21:49	CMR
1,2-Dibromoethane (EDB)	ND	0.10	0.060		ND	0.77	0.46	2	3/28/23 21:49	CMR
1,2-Dichlorobenzene	ND	0.10	0.057		ND	0.60	0.35	2	3/28/23 21:49	CMR
1,3-Dichlorobenzene	ND	0.10	0.055		ND	0.60	0.33	2	3/28/23 21:49	CMR
1,4-Dichlorobenzene	ND	0.10	0.065		ND	0.60	0.39	2	3/28/23 21:49	CMR
Dichlorodifluoromethane (Freon 12)	0.90	0.10	0.098		4.5	0.49	0.48	2	3/28/23 21:49	CMR
1,1-Dichloroethane	ND	0.10	0.087		ND	0.40	0.35	2	3/28/23 21:49	CMR
1,2-Dichloroethane	ND	0.10	0.091		ND	0.40	0.37	2	3/28/23 21:49	CMR
1,1-Dichloroethylene	ND	0.10	0.076		ND	0.40	0.30	2	3/28/23 21:49	CMR
cis-1,2-Dichloroethylene	1.2	0.10	0.073		4.9	0.40	0.29	2	3/28/23 21:49	CMR
trans-1,2-Dichloroethylene	ND	0.10	0.079		ND	0.40	0.31	2	3/28/23 21:49	CMR
1,2-Dichloropropane	ND	0.10	0.054		ND	0.46	0.25	2	3/28/23 21:49	CMR
cis-1,3-Dichloropropene	ND	0.10	0.052		ND	0.45	0.24	2	3/28/23 21:49	CMR
trans-1,3-Dichloropropene	ND	0.10	0.051		ND	0.45	0.23	2	3/28/23 21:49	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.098		ND	0.70	0.69	2	3/28/23 21:49	CMR
1,4-Dioxane	ND	1.0	0.083		ND	3.6	0.30	2	3/28/23 21:49	CMR
Ethanol	4.9	4.0	1.8		9.3	7.5	3.3	2	3/28/23 21:49	CMR
Ethyl Acetate	ND	1.0	0.51		ND	3.6	1.8	2	3/28/23 21:49	CMR
Ethylbenzene	0.32	0.10	0.058		1.4	0.43	0.25	2	3/28/23 21:49	CMR
4-Ethyltoluene	0.20	0.10	0.061		0.97	0.49	0.30	2	3/28/23 21:49	CMR
Heptane	0.24	0.10	0.064		0.98	0.41	0.26	2	3/28/23 21:49	CMR
Hexachlorobutadiene	ND	0.10	0.082	V-05, L-03	ND	1.1	0.88	2	3/28/23 21:49	CMR
Hexane	ND	4.0	0.52		ND	14	1.8	2	3/28/23 21:49	CMR
2-Hexanone (MBK)	ND	0.10	0.050		ND	0.41	0.20	2	3/28/23 21:49	CMR
Isopropanol	ND	4.0	0.69		ND	9.8	1.7	2	3/28/23 21:49	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.077		ND	0.36	0.28	2	3/28/23 21:49	CMR
Methylene Chloride	ND	1.0	0.46		ND	3.5	1.6	2	3/28/23 21:49	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	3/28/23 21:49	CMR
Naphthalene	ND	0.10	0.075	V-05, L-03	ND	0.52	0.40	2	3/28/23 21:49	CMR
Propene	ND	4.0	0.88		ND	6.9	1.5	2	3/28/23 21:49	CMR
Styrene	ND	0.10	0.053		ND	0.43	0.22	2	3/28/23 21:49	CMR
1,1,2,2-Tetrachloroethane	ND	0.10	0.054		ND	0.69	0.37	2	3/28/23 21:49	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 1 3/13/23
Sample ID: 23C2051-01
Sample Matrix: Soil Gas
Sampled: 3/13/2023 11:42

Sample Description/Location:
Sub Description/Location:
Canister ID: 2586
Canister Size: 3 liter
Flow Controller ID: 4125
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	7.5	0.10	0.076		51	0.68	0.52	2	3/28/23 21:49	CMR
Tetrahydrofuran	3.2	1.0	0.16		9.5	2.9	0.48	2	3/28/23 21:49	CMR
Toluene	1.6	0.10	0.057		6.0	0.38	0.22	2	3/28/23 21:49	CMR
1,2,4-Trichlorobenzene	ND	0.10	0.093	L-03	ND	0.74	0.69	2	3/28/23 21:49	CMR
1,1,1-Trichloroethane	ND	0.10	0.079		ND	0.55	0.43	2	3/28/23 21:49	CMR
1,1,2-Trichloroethane	ND	0.10	0.070		ND	0.55	0.38	2	3/28/23 21:49	CMR
Trichloroethylene	0.14	0.10	0.067		0.75	0.54	0.36	2	3/28/23 21:49	CMR
Trichlorofluoromethane (Freon 11)	0.21	0.40	0.12	J	1.2	2.2	0.66	2	3/28/23 21:49	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40	0.11		ND	3.1	0.85	2	3/28/23 21:49	CMR
1,2,4-Trimethylbenzene	1.6	0.10	0.044		7.8	0.49	0.22	2	3/28/23 21:49	CMR
1,3,5-Trimethylbenzene	0.59	0.10	0.053		2.9	0.49	0.26	2	3/28/23 21:49	CMR
Vinyl Acetate	ND	2.0	0.54		ND	7.0	1.9	2	3/28/23 21:49	CMR
Vinyl Chloride	0.29	0.10	0.090		0.74	0.26	0.23	2	3/28/23 21:49	CMR
m&p-Xylene	1.3	0.20	0.11		5.5	0.87	0.49	2	3/28/23 21:49	CMR
o-Xylene	0.45	0.10	0.051		2.0	0.43	0.22	2	3/28/23 21:49	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	107	70-130	3/28/23 21:49

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

ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 2 3/13/23
Sample ID: 23C2051-02
Sample Matrix: Soil Gas
Sampled: 3/13/2023 11:45

Sample Description/Location:
Sub Description/Location:
Canister ID: 2360
Canister Size: 3 liter
Flow Controller ID: 4242
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	60	36		ND	140	86	30	3/29/23 2:18	CMR
Benzene	ND	1.5	1.1		ND	4.8	3.6	30	3/29/23 2:18	CMR
Benzyl chloride	ND	1.5	1.3		ND	7.8	6.8	30	3/29/23 2:18	CMR
Bromodichloromethane	ND	1.5	1.0		ND	10	7.0	30	3/29/23 2:18	CMR
Bromoform	ND	1.5	1.0		ND	16	11	30	3/29/23 2:18	CMR
Bromomethane	ND	1.5	1.0		ND	5.8	3.9	30	3/29/23 2:18	CMR
1,3-Butadiene	ND	1.5	1.3		ND	3.3	2.8	30	3/29/23 2:18	CMR
2-Butanone (MEK)	ND	60	16		ND	180	47	30	3/29/23 2:18	CMR
Carbon Disulfide	ND	15	1.4		ND	47	4.3	30	3/29/23 2:18	CMR
Carbon Tetrachloride	ND	1.5	1.2		ND	9.4	7.5	30	3/29/23 2:18	CMR
Chlorobenzene	ND	1.5	1.0		ND	6.9	4.6	30	3/29/23 2:18	CMR
Chloroethane	ND	1.5	1.3		ND	4.0	3.5	30	3/29/23 2:18	CMR
Chloroform	ND	1.5	1.4		ND	7.3	7.0	30	3/29/23 2:18	CMR
Chloromethane	1.3	3.0	1.2	J	2.6	6.2	2.5	30	3/29/23 2:18	CMR
Cyclohexane	ND	1.5	0.91		ND	5.2	3.1	30	3/29/23 2:18	CMR
Dibromochloromethane	ND	1.5	0.99		ND	13	8.5	30	3/29/23 2:18	CMR
1,2-Dibromoethane (EDB)	ND	1.5	0.91		ND	12	7.0	30	3/29/23 2:18	CMR
1,2-Dichlorobenzene	ND	1.5	0.86		ND	9.0	5.2	30	3/29/23 2:18	CMR
1,3-Dichlorobenzene	ND	1.5	0.83		ND	9.0	5.0	30	3/29/23 2:18	CMR
1,4-Dichlorobenzene	ND	1.5	0.98		ND	9.0	5.9	30	3/29/23 2:18	CMR
Dichlorodifluoromethane (Freon 12)	ND	1.5	1.5		ND	7.4	7.2	30	3/29/23 2:18	CMR
1,1-Dichloroethane	ND	1.5	1.3		ND	6.1	5.3	30	3/29/23 2:18	CMR
1,2-Dichloroethane	ND	1.5	1.4		ND	6.1	5.5	30	3/29/23 2:18	CMR
1,1-Dichloroethylene	ND	1.5	1.1		ND	5.9	4.5	30	3/29/23 2:18	CMR
cis-1,2-Dichloroethylene	7.5	1.5	1.1		30	5.9	4.3	30	3/29/23 2:18	CMR
trans-1,2-Dichloroethylene	ND	1.5	1.2		ND	5.9	4.7	30	3/29/23 2:18	CMR
1,2-Dichloropropane	ND	1.5	0.81		ND	6.9	3.8	30	3/29/23 2:18	CMR
cis-1,3-Dichloropropene	ND	1.5	0.78		ND	6.8	3.5	30	3/29/23 2:18	CMR
trans-1,3-Dichloropropene	ND	1.5	0.77		ND	6.8	3.5	30	3/29/23 2:18	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.5	1.5		ND	10	10	30	3/29/23 2:18	CMR
1,4-Dioxane	ND	15	1.2		ND	54	4.5	30	3/29/23 2:18	CMR
Ethanol	ND	60	26		ND	110	50	30	3/29/23 2:18	CMR
Ethyl Acetate	ND	15	7.6		ND	54	27	30	3/29/23 2:18	CMR
Ethylbenzene	ND	1.5	0.88		ND	6.5	3.8	30	3/29/23 2:18	CMR
4-Ethyltoluene	37	1.5	0.92		180	7.4	4.5	30	3/29/23 2:18	CMR
Heptane	ND	1.5	0.96		ND	6.1	3.9	30	3/29/23 2:18	CMR
Hexachlorobutadiene	ND	1.5	1.2	L-03, V-05	ND	16	13	30	3/29/23 2:18	CMR
Hexane	ND	60	7.8		ND	210	28	30	3/29/23 2:18	CMR
2-Hexanone (MBK)	ND	1.5	0.75		ND	6.1	3.1	30	3/29/23 2:18	CMR
Isopropanol	ND	60	10		ND	150	25	30	3/29/23 2:18	CMR
Methyl tert-Butyl Ether (MTBE)	ND	1.5	1.2		ND	5.4	4.2	30	3/29/23 2:18	CMR
Methylene Chloride	ND	15	7.0		ND	52	24	30	3/29/23 2:18	CMR
4-Methyl-2-pentanone (MIBK)	ND	1.5	0.80		ND	6.1	3.3	30	3/29/23 2:18	CMR
Naphthalene	ND	1.5	1.1	L-03, V-05	ND	7.9	5.9	30	3/29/23 2:18	CMR
Propene	ND	60	13		ND	100	23	30	3/29/23 2:18	CMR
Styrene	ND	1.5	0.79		ND	6.4	3.4	30	3/29/23 2:18	CMR
1,1,2,2-Tetrachloroethane	ND	1.5	0.81		ND	10	5.6	30	3/29/23 2:18	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 2 3/13/23
Sample ID: 23C2051-02
Sample Matrix: Soil Gas
Sampled: 3/13/2023 11:45

Sample Description/Location:
Sub Description/Location:
Canister ID: 2360
Canister Size: 3 liter
Flow Controller ID: 4242
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	110	1.5	1.1		760	10	7.8	30	3/29/23 2:18	CMR
Tetrahydrofuran	4.2	15	2.5	J	12	44	7.3	30	3/29/23 2:18	CMR
Toluene	2.2	1.5	0.86		8.4	5.7	3.2	30	3/29/23 2:18	CMR
1,2,4-Trichlorobenzene	ND	1.5	1.4	L-03	ND	11	10	30	3/29/23 2:18	CMR
1,1,1-Trichloroethane	ND	1.5	1.2		ND	8.2	6.4	30	3/29/23 2:18	CMR
1,1,2-Trichloroethane	ND	1.5	1.1		ND	8.2	5.8	30	3/29/23 2:18	CMR
Trichloroethylene	3.5	1.5	1.0		19	8.1	5.4	30	3/29/23 2:18	CMR
Trichlorofluoromethane (Freon 11)	ND	6.0	1.8		ND	34	10.0	30	3/29/23 2:18	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	6.0	1.7		ND	46	13	30	3/29/23 2:18	CMR
1,2,4-Trimethylbenzene	330	1.5	0.66		1600	7.4	3.3	30	3/29/23 2:18	CMR
1,3,5-Trimethylbenzene	230	1.5	0.79		1100	7.4	3.9	30	3/29/23 2:18	CMR
Vinyl Acetate	ND	30	8.1		ND	110	28	30	3/29/23 2:18	CMR
Vinyl Chloride	ND	1.5	1.4		ND	3.8	3.5	30	3/29/23 2:18	CMR
m&p-Xylene	7.1	3.0	1.7		31	13	7.3	30	3/29/23 2:18	CMR
o-Xylene	9.0	1.5	0.77		39	6.5	3.3	30	3/29/23 2:18	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	105	70-130	3/29/23 2:18

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 3 3/13/23
Sample ID: 23C2051-03
Sample Matrix: Soil Gas
Sampled: 3/13/2023 11:47

Sample Description/Location:
Sub Description/Location:
Canister ID: 2426
Canister Size: 3 liter
Flow Controller ID: 4108
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	5.5	4.0	2.4		13	9.5	5.7	2	3/28/23 22:14	CMR
Benzene	0.35	0.10	0.076		1.1	0.32	0.24	2	3/28/23 22:14	CMR
Benzyl chloride	ND	0.10	0.088		ND	0.52	0.46	2	3/28/23 22:14	CMR
Bromodichloromethane	ND	0.10	0.070		ND	0.67	0.47	2	3/28/23 22:14	CMR
Bromoform	ND	0.10	0.068		ND	1.0	0.70	2	3/28/23 22:14	CMR
Bromomethane	ND	0.10	0.067		ND	0.39	0.26	2	3/28/23 22:14	CMR
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	3/28/23 22:14	CMR
2-Butanone (MEK)	1.6	4.0	1.1	J	4.6	12	3.1	2	3/28/23 22:14	CMR
Carbon Disulfide	ND	1.0	0.092		ND	3.1	0.29	2	3/28/23 22:14	CMR
Carbon Tetrachloride	ND	0.10	0.080		ND	0.63	0.50	2	3/28/23 22:14	CMR
Chlorobenzene	ND	0.10	0.066		ND	0.46	0.31	2	3/28/23 22:14	CMR
Chloroethane	ND	0.10	0.089		ND	0.26	0.23	2	3/28/23 22:14	CMR
Chloroform	ND	0.10	0.095		ND	0.49	0.46	2	3/28/23 22:14	CMR
Chloromethane	0.68	0.20	0.079		1.4	0.41	0.16	2	3/28/23 22:14	CMR
Cyclohexane	0.062	0.10	0.060	J	0.21	0.34	0.21	2	3/28/23 22:14	CMR
Dibromochloromethane	ND	0.10	0.066		ND	0.85	0.56	2	3/28/23 22:14	CMR
1,2-Dibromoethane (EDB)	ND	0.10	0.060		ND	0.77	0.46	2	3/28/23 22:14	CMR
1,2-Dichlorobenzene	ND	0.10	0.057		ND	0.60	0.35	2	3/28/23 22:14	CMR
1,3-Dichlorobenzene	ND	0.10	0.055		ND	0.60	0.33	2	3/28/23 22:14	CMR
1,4-Dichlorobenzene	ND	0.10	0.065		ND	0.60	0.39	2	3/28/23 22:14	CMR
Dichlorodifluoromethane (Freon 12)	0.45	0.10	0.098		2.2	0.49	0.48	2	3/28/23 22:14	CMR
1,1-Dichloroethane	ND	0.10	0.087		ND	0.40	0.35	2	3/28/23 22:14	CMR
1,2-Dichloroethane	ND	0.10	0.091		ND	0.40	0.37	2	3/28/23 22:14	CMR
1,1-Dichloroethylene	ND	0.10	0.076		ND	0.40	0.30	2	3/28/23 22:14	CMR
cis-1,2-Dichloroethylene	ND	0.10	0.073		ND	0.40	0.29	2	3/28/23 22:14	CMR
trans-1,2-Dichloroethylene	ND	0.10	0.079		ND	0.40	0.31	2	3/28/23 22:14	CMR
1,2-Dichloropropane	ND	0.10	0.054		ND	0.46	0.25	2	3/28/23 22:14	CMR
cis-1,3-Dichloropropene	ND	0.10	0.052		ND	0.45	0.24	2	3/28/23 22:14	CMR
trans-1,3-Dichloropropene	ND	0.10	0.051		ND	0.45	0.23	2	3/28/23 22:14	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.098		ND	0.70	0.69	2	3/28/23 22:14	CMR
1,4-Dioxane	ND	1.0	0.083		ND	3.6	0.30	2	3/28/23 22:14	CMR
Ethanol	11	4.0	1.8		21	7.5	3.3	2	3/28/23 22:14	CMR
Ethyl Acetate	ND	1.0	0.51		ND	3.6	1.8	2	3/28/23 22:14	CMR
Ethylbenzene	0.30	0.10	0.058		1.3	0.43	0.25	2	3/28/23 22:14	CMR
4-Ethyltoluene	0.10	0.10	0.061		0.51	0.49	0.30	2	3/28/23 22:14	CMR
Heptane	0.12	0.10	0.064		0.48	0.41	0.26	2	3/28/23 22:14	CMR
Hexachlorobutadiene	ND	0.10	0.082	L-03, V-05	ND	1.1	0.88	2	3/28/23 22:14	CMR
Hexane	ND	4.0	0.52		ND	14	1.8	2	3/28/23 22:14	CMR
2-Hexanone (MBK)	ND	0.10	0.050		ND	0.41	0.20	2	3/28/23 22:14	CMR
Isopropanol	ND	4.0	0.69		ND	9.8	1.7	2	3/28/23 22:14	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.077		ND	0.36	0.28	2	3/28/23 22:14	CMR
Methylene Chloride	ND	1.0	0.46		ND	3.5	1.6	2	3/28/23 22:14	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	3/28/23 22:14	CMR
Naphthalene	ND	0.10	0.075	L-03, V-05	ND	0.52	0.40	2	3/28/23 22:14	CMR
Propene	ND	4.0	0.88		ND	6.9	1.5	2	3/28/23 22:14	CMR
Styrene	ND	0.10	0.053		ND	0.43	0.22	2	3/28/23 22:14	CMR
1,1,2,2-Tetrachloroethane	ND	0.10	0.054		ND	0.69	0.37	2	3/28/23 22:14	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 3 3/13/23
Sample ID: 23C2051-03
Sample Matrix: Soil Gas
Sampled: 3/13/2023 11:47

Sample Description/Location:
Sub Description/Location:
Canister ID: 2426
Canister Size: 3 liter
Flow Controller ID: 4108
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	1.2	0.10	0.076		8.1	0.68	0.52	2	3/28/23 22:14	CMR
Tetrahydrofuran	4.9	1.0	0.16		14	2.9	0.48	2	3/28/23 22:14	CMR
Toluene	1.1	0.10	0.057		4.3	0.38	0.22	2	3/28/23 22:14	CMR
1,2,4-Trichlorobenzene	ND	0.10	0.093	L-03	ND	0.74	0.69	2	3/28/23 22:14	CMR
1,1,1-Trichloroethane	ND	0.10	0.079		ND	0.55	0.43	2	3/28/23 22:14	CMR
1,1,2-Trichloroethane	ND	0.10	0.070		ND	0.55	0.38	2	3/28/23 22:14	CMR
Trichloroethylene	ND	0.10	0.067		ND	0.54	0.36	2	3/28/23 22:14	CMR
Trichlorofluoromethane (Freon 11)	0.20	0.40	0.12	J	1.1	2.2	0.66	2	3/28/23 22:14	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40	0.11		ND	3.1	0.85	2	3/28/23 22:14	CMR
1,2,4-Trimethylbenzene	0.66	0.10	0.044		3.3	0.49	0.22	2	3/28/23 22:14	CMR
1,3,5-Trimethylbenzene	0.33	0.10	0.053		1.6	0.49	0.26	2	3/28/23 22:14	CMR
Vinyl Acetate	ND	2.0	0.54		ND	7.0	1.9	2	3/28/23 22:14	CMR
Vinyl Chloride	ND	0.10	0.090		ND	0.26	0.23	2	3/28/23 22:14	CMR
m&p-Xylene	0.92	0.20	0.11		4.0	0.87	0.49	2	3/28/23 22:14	CMR
o-Xylene	0.40	0.10	0.051		1.7	0.43	0.22	2	3/28/23 22:14	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	106	70-130	3/28/23 22:14

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 4 3/13/23
Sample ID: 23C2051-04
Sample Matrix: Soil Gas
Sampled: 3/13/2023 11:48

Sample Description/Location:
Sub Description/Location:
Canister ID: 2732
Canister Size: 3 liter
Flow Controller ID: 4325
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	4.0	2.4		ND	9.5	5.7	2	3/28/23 22:40	CMR
Benzene	0.49	0.10	0.076		1.6	0.32	0.24	2	3/28/23 22:40	CMR
Benzyl chloride	ND	0.10	0.088		ND	0.52	0.46	2	3/28/23 22:40	CMR
Bromodichloromethane	ND	0.10	0.070		ND	0.67	0.47	2	3/28/23 22:40	CMR
Bromoform	ND	0.10	0.068		ND	1.0	0.70	2	3/28/23 22:40	CMR
Bromomethane	ND	0.10	0.067		ND	0.39	0.26	2	3/28/23 22:40	CMR
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	3/28/23 22:40	CMR
2-Butanone (MEK)	ND	4.0	1.1		ND	12	3.1	2	3/28/23 22:40	CMR
Carbon Disulfide	ND	1.0	0.092		ND	3.1	0.29	2	3/28/23 22:40	CMR
Carbon Tetrachloride	ND	0.10	0.080		ND	0.63	0.50	2	3/28/23 22:40	CMR
Chlorobenzene	ND	0.10	0.066		ND	0.46	0.31	2	3/28/23 22:40	CMR
Chloroethane	ND	0.10	0.089		ND	0.26	0.23	2	3/28/23 22:40	CMR
Chloroform	ND	0.10	0.095		ND	0.49	0.46	2	3/28/23 22:40	CMR
Chloromethane	0.62	0.20	0.079		1.3	0.41	0.16	2	3/28/23 22:40	CMR
Cyclohexane	0.10	0.10	0.060		0.35	0.34	0.21	2	3/28/23 22:40	CMR
Dibromochloromethane	ND	0.10	0.066		ND	0.85	0.56	2	3/28/23 22:40	CMR
1,2-Dibromoethane (EDB)	ND	0.10	0.060		ND	0.77	0.46	2	3/28/23 22:40	CMR
1,2-Dichlorobenzene	ND	0.10	0.057		ND	0.60	0.35	2	3/28/23 22:40	CMR
1,3-Dichlorobenzene	ND	0.10	0.055		ND	0.60	0.33	2	3/28/23 22:40	CMR
1,4-Dichlorobenzene	ND	0.10	0.065		ND	0.60	0.39	2	3/28/23 22:40	CMR
Dichlorodifluoromethane (Freon 12)	0.47	0.10	0.098		2.3	0.49	0.48	2	3/28/23 22:40	CMR
1,1-Dichloroethane	ND	0.10	0.087		ND	0.40	0.35	2	3/28/23 22:40	CMR
1,2-Dichloroethane	ND	0.10	0.091		ND	0.40	0.37	2	3/28/23 22:40	CMR
1,1-Dichloroethylene	ND	0.10	0.076		ND	0.40	0.30	2	3/28/23 22:40	CMR
cis-1,2-Dichloroethylene	ND	0.10	0.073		ND	0.40	0.29	2	3/28/23 22:40	CMR
trans-1,2-Dichloroethylene	ND	0.10	0.079		ND	0.40	0.31	2	3/28/23 22:40	CMR
1,2-Dichloropropane	ND	0.10	0.054		ND	0.46	0.25	2	3/28/23 22:40	CMR
cis-1,3-Dichloropropene	ND	0.10	0.052		ND	0.45	0.24	2	3/28/23 22:40	CMR
trans-1,3-Dichloropropene	ND	0.10	0.051		ND	0.45	0.23	2	3/28/23 22:40	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.098		ND	0.70	0.69	2	3/28/23 22:40	CMR
1,4-Dioxane	ND	1.0	0.083		ND	3.6	0.30	2	3/28/23 22:40	CMR
Ethanol	9.9	4.0	1.8		19	7.5	3.3	2	3/28/23 22:40	CMR
Ethyl Acetate	ND	1.0	0.51		ND	3.6	1.8	2	3/28/23 22:40	CMR
Ethylbenzene	0.72	0.10	0.058		3.1	0.43	0.25	2	3/28/23 22:40	CMR
4-Ethyltoluene	0.12	0.10	0.061		0.60	0.49	0.30	2	3/28/23 22:40	CMR
Heptane	0.22	0.10	0.064		0.92	0.41	0.26	2	3/28/23 22:40	CMR
Hexachlorobutadiene	ND	0.10	0.082	L-03, V-05	ND	1.1	0.88	2	3/28/23 22:40	CMR
Hexane	ND	4.0	0.52		ND	14	1.8	2	3/28/23 22:40	CMR
2-Hexanone (MBK)	ND	0.10	0.050		ND	0.41	0.20	2	3/28/23 22:40	CMR
Isopropanol	ND	4.0	0.69		ND	9.8	1.7	2	3/28/23 22:40	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.077		ND	0.36	0.28	2	3/28/23 22:40	CMR
Methylene Chloride	ND	1.0	0.46		ND	3.5	1.6	2	3/28/23 22:40	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	3/28/23 22:40	CMR
Naphthalene	ND	0.10	0.075	L-03, V-05	ND	0.52	0.40	2	3/28/23 22:40	CMR
Propene	ND	4.0	0.88		ND	6.9	1.5	2	3/28/23 22:40	CMR
Styrene	ND	0.10	0.053		ND	0.43	0.22	2	3/28/23 22:40	CMR
1,1,2,2-Tetrachloroethane	ND	0.10	0.054		ND	0.69	0.37	2	3/28/23 22:40	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 4 3/13/23
Sample ID: 23C2051-04
Sample Matrix: Soil Gas
Sampled: 3/13/2023 11:48

Sample Description/Location:
Sub Description/Location:
Canister ID: 2732
Canister Size: 3 liter
Flow Controller ID: 4325
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	ND	0.10	0.076		ND	0.68	0.52	2	3/28/23 22:40	CMR
Tetrahydrofuran	0.17	1.0	0.16	J	0.51	2.9	0.48	2	3/28/23 22:40	CMR
Toluene	2.4	0.10	0.057		9.0	0.38	0.22	2	3/28/23 22:40	CMR
1,2,4-Trichlorobenzene	ND	0.10	0.093	L-03	ND	0.74	0.69	2	3/28/23 22:40	CMR
1,1,1-Trichloroethane	ND	0.10	0.079		ND	0.55	0.43	2	3/28/23 22:40	CMR
1,1,2-Trichloroethane	ND	0.10	0.070		ND	0.55	0.38	2	3/28/23 22:40	CMR
Trichloroethylene	ND	0.10	0.067		ND	0.54	0.36	2	3/28/23 22:40	CMR
Trichlorofluoromethane (Freon 11)	0.22	0.40	0.12	J	1.2	2.2	0.66	2	3/28/23 22:40	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40	0.11		ND	3.1	0.85	2	3/28/23 22:40	CMR
1,2,4-Trimethylbenzene	0.40	0.10	0.044		2.0	0.49	0.22	2	3/28/23 22:40	CMR
1,3,5-Trimethylbenzene	0.15	0.10	0.053		0.74	0.49	0.26	2	3/28/23 22:40	CMR
Vinyl Acetate	ND	2.0	0.54		ND	7.0	1.9	2	3/28/23 22:40	CMR
Vinyl Chloride	ND	0.10	0.090		ND	0.26	0.23	2	3/28/23 22:40	CMR
m&p-Xylene	2.2	0.20	0.11		9.5	0.87	0.49	2	3/28/23 22:40	CMR
o-Xylene	0.86	0.10	0.051		3.8	0.43	0.22	2	3/28/23 22:40	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	106	70-130	3/28/23 22:40

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 5 3/13/23
Sample ID: 23C2051-05
Sample Matrix: Soil Gas
Sampled: 3/13/2023 12:18

Sample Description/Location:
Sub Description/Location:
Canister ID: 2283
Canister Size: 3 liter
Flow Controller ID: 4335
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	1200	720		ND	2900	1700	600	3/30/23 13:41	CMR
Benzene	ND	30	23		ND	96	73	600	3/30/23 13:41	CMR
Benzyl chloride	ND	30	26		ND	160	140	600	3/30/23 13:41	CMR
Bromodichloromethane	ND	30	21		ND	200	140	600	3/30/23 13:41	CMR
Bromoform	ND	30	20		ND	310	210	600	3/30/23 13:41	CMR
Bromomethane	ND	30	20		ND	120	78	600	3/30/23 13:41	CMR
1,3-Butadiene	ND	30	25		ND	66	56	600	3/30/23 13:41	CMR
2-Butanone (MEK)	ND	1200	320		ND	3500	940	600	3/30/23 13:41	CMR
Carbon Disulfide	ND	300	28		ND	930	86	600	3/30/23 13:41	CMR
Carbon Tetrachloride	ND	30	24		ND	190	150	600	3/30/23 13:41	CMR
Chlorobenzene	ND	30	20		ND	140	92	600	3/30/23 13:41	CMR
Chloroethane	ND	30	27		ND	79	70	600	3/30/23 13:41	CMR
Chloroform	ND	30	28		ND	150	140	600	3/30/23 13:41	CMR
Chloromethane	ND	60	24		ND	120	49	600	3/30/23 13:41	CMR
Cyclohexane	ND	30	18		ND	100	62	600	3/30/23 13:41	CMR
Dibromochloromethane	ND	30	20		ND	260	170	600	3/30/23 13:41	CMR
1,2-Dibromoethane (EDB)	ND	30	18		ND	230	140	600	3/30/23 13:41	CMR
1,2-Dichlorobenzene	ND	30	17		ND	180	100	600	3/30/23 13:41	CMR
1,3-Dichlorobenzene	ND	30	17		ND	180	100	600	3/30/23 13:41	CMR
1,4-Dichlorobenzene	ND	30	20		ND	180	120	600	3/30/23 13:41	CMR
Dichlorodifluoromethane (Freon 12)	ND	30	29		ND	150	140	600	3/30/23 13:41	CMR
1,1-Dichloroethane	ND	30	26		ND	120	110	600	3/30/23 13:41	CMR
1,2-Dichloroethane	ND	30	27		ND	120	110	600	3/30/23 13:41	CMR
1,1-Dichloroethylene	ND	30	23		ND	120	91	600	3/30/23 13:41	CMR
cis-1,2-Dichloroethylene	370	30	22		1500	120	87	600	3/30/23 13:41	CMR
trans-1,2-Dichloroethylene	ND	30	24		ND	120	93	600	3/30/23 13:41	CMR
1,2-Dichloropropane	ND	30	16		ND	140	75	600	3/30/23 13:41	CMR
cis-1,3-Dichloropropene	ND	30	16		ND	140	71	600	3/30/23 13:41	CMR
trans-1,3-Dichloropropene	ND	30	15		ND	140	70	600	3/30/23 13:41	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	30	30		ND	210	210	600	3/30/23 13:41	CMR
1,4-Dioxane	ND	300	25		ND	1100	90	600	3/30/23 13:41	CMR
Ethanol	ND	1200	530		ND	2300	1000	600	3/30/23 13:41	CMR
Ethyl Acetate	ND	300	150		ND	1100	550	600	3/30/23 13:41	CMR
Ethylbenzene	ND	30	18		ND	130	76	600	3/30/23 13:41	CMR
4-Ethyltoluene	ND	30	18		ND	150	91	600	3/30/23 13:41	CMR
Heptane	ND	30	19		ND	120	79	600	3/30/23 13:41	CMR
Hexachlorobutadiene	ND	30	25	L-03, V-05	ND	320	260	600	3/30/23 13:41	CMR
Hexane	ND	1200	160		ND	4200	550	600	3/30/23 13:41	CMR
2-Hexanone (MBK)	ND	30	15		ND	120	61	600	3/30/23 13:41	CMR
Isopropanol	ND	1200	210		ND	2900	510	600	3/30/23 13:41	CMR
Methyl tert-Butyl Ether (MTBE)	ND	30	23		ND	110	84	600	3/30/23 13:41	CMR
Methylene Chloride	ND	300	140		ND	1000	480	600	3/30/23 13:41	CMR
4-Methyl-2-pentanone (MIBK)	ND	30	16		ND	120	66	600	3/30/23 13:41	CMR
Naphthalene	ND	30	23	L-03, V-05	ND	160	120	600	3/30/23 13:41	CMR
Propene	ND	1200	260		ND	2100	450	600	3/30/23 13:41	CMR
Styrene	ND	30	16		ND	130	67	600	3/30/23 13:41	CMR
1,1,2,2-Tetrachloroethane	ND	30	16		ND	210	110	600	3/30/23 13:41	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 5 3/13/23
Sample ID: 23C2051-05
Sample Matrix: Soil Gas
Sampled: 3/13/2023 12:18

Sample Description/Location:
Sub Description/Location:
Canister ID: 2283
Canister Size: 3 liter
Flow Controller ID: 4335
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	24000	30	23		160000	200	160	600	3/30/23 13:41	CMR
Tetrahydrofuran	ND	300	49		ND	880	150	600	3/30/23 13:41	CMR
Toluene	ND	30	17		ND	110	65	600	3/30/23 13:41	CMR
1,2,4-Trichlorobenzene	ND	30	28		ND	220	210	600	3/30/23 13:41	CMR
1,1,1-Trichloroethane	ND	30	24		ND	160	130	600	3/30/23 13:41	CMR
1,1,2-Trichloroethane	ND	30	21		ND	160	120	600	3/30/23 13:41	CMR
Trichloroethylene	420	30	20		2200	160	110	600	3/30/23 13:41	CMR
Trichlorofluoromethane (Freon 11)	ND	120	35		ND	670	200	600	3/30/23 13:41	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	120	33		ND	920	260	600	3/30/23 13:41	CMR
1,2,4-Trimethylbenzene	110	30	13		550	150	65	600	3/30/23 13:41	CMR
1,3,5-Trimethylbenzene	88	30	16		430	150	78	600	3/30/23 13:41	CMR
Vinyl Acetate	ND	600	160		ND	2100	570	600	3/30/23 13:41	CMR
Vinyl Chloride	ND	30	27		ND	77	69	600	3/30/23 13:41	CMR
m&p-Xylene	ND	60	34		ND	260	150	600	3/30/23 13:41	CMR
o-Xylene	ND	30	15		ND	130	67	600	3/30/23 13:41	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	103	70-130	3/30/23 13:41

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 6 3/13/23
Sample ID: 23C2051-06
Sample Matrix: Soil Gas
Sampled: 3/13/2023 12:22

Sample Description/Location:
Sub Description/Location:
Canister ID: 2721
Canister Size: 3 liter
Flow Controller ID: 4334
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	20	12		ND	48	29	10	3/28/23 23:55	CMR
Benzene	0.90	0.50	0.38		2.9	1.6	1.2	10	3/28/23 23:55	CMR
Benzyl chloride	ND	0.50	0.44		ND	2.6	2.3	10	3/28/23 23:55	CMR
Bromodichloromethane	ND	0.50	0.35		ND	3.4	2.3	10	3/28/23 23:55	CMR
Bromoform	ND	0.50	0.34		ND	5.2	3.5	10	3/28/23 23:55	CMR
Bromomethane	ND	0.50	0.33		ND	1.9	1.3	10	3/28/23 23:55	CMR
1,3-Butadiene	ND	0.50	0.42		ND	1.1	0.93	10	3/28/23 23:55	CMR
2-Butanone (MEK)	ND	20	5.3		ND	59	16	10	3/28/23 23:55	CMR
Carbon Disulfide	ND	5.0	0.46		ND	16	1.4	10	3/28/23 23:55	CMR
Carbon Tetrachloride	ND	0.50	0.40		ND	3.1	2.5	10	3/28/23 23:55	CMR
Chlorobenzene	ND	0.50	0.33		ND	2.3	1.5	10	3/28/23 23:55	CMR
Chloroethane	ND	0.50	0.44		ND	1.3	1.2	10	3/28/23 23:55	CMR
Chloroform	0.63	0.50	0.48		3.1	2.4	2.3	10	3/28/23 23:55	CMR
Chloromethane	0.76	1.0	0.40	J	1.6	2.1	0.82	10	3/28/23 23:55	CMR
Cyclohexane	0.52	0.50	0.30		1.8	1.7	1.0	10	3/28/23 23:55	CMR
Dibromochloromethane	ND	0.50	0.33		ND	4.3	2.8	10	3/28/23 23:55	CMR
1,2-Dibromoethane (EDB)	ND	0.50	0.30		ND	3.8	2.3	10	3/28/23 23:55	CMR
1,2-Dichlorobenzene	ND	0.50	0.29		ND	3.0	1.7	10	3/28/23 23:55	CMR
1,3-Dichlorobenzene	ND	0.50	0.28		ND	3.0	1.7	10	3/28/23 23:55	CMR
1,4-Dichlorobenzene	ND	0.50	0.33		ND	3.0	2.0	10	3/28/23 23:55	CMR
Dichlorodifluoromethane (Freon 12)	0.50	0.50	0.49		2.5	2.5	2.4	10	3/28/23 23:55	CMR
1,1-Dichloroethane	ND	0.50	0.44		ND	2.0	1.8	10	3/28/23 23:55	CMR
1,2-Dichloroethane	ND	0.50	0.45		ND	2.0	1.8	10	3/28/23 23:55	CMR
1,1-Dichloroethylene	ND	0.50	0.38		ND	2.0	1.5	10	3/28/23 23:55	CMR
cis-1,2-Dichloroethylene	4.2	0.50	0.36		17	2.0	1.4	10	3/28/23 23:55	CMR
trans-1,2-Dichloroethylene	ND	0.50	0.39		ND	2.0	1.6	10	3/28/23 23:55	CMR
1,2-Dichloropropane	ND	0.50	0.27		ND	2.3	1.3	10	3/28/23 23:55	CMR
cis-1,3-Dichloropropene	ND	0.50	0.26		ND	2.3	1.2	10	3/28/23 23:55	CMR
trans-1,3-Dichloropropene	ND	0.50	0.26		ND	2.3	1.2	10	3/28/23 23:55	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.50	0.49		ND	3.5	3.4	10	3/28/23 23:55	CMR
1,4-Dioxane	ND	5.0	0.42		ND	18	1.5	10	3/28/23 23:55	CMR
Ethanol	19	20	8.8	J	35	38	17	10	3/28/23 23:55	CMR
Ethyl Acetate	ND	5.0	2.5		ND	18	9.1	10	3/28/23 23:55	CMR
Ethylbenzene	0.72	0.50	0.29		3.1	2.2	1.3	10	3/28/23 23:55	CMR
4-Ethyltoluene	0.38	0.50	0.31	J	1.9	2.5	1.5	10	3/28/23 23:55	CMR
Heptane	0.86	0.50	0.32		3.5	2.0	1.3	10	3/28/23 23:55	CMR
Hexachlorobutadiene	ND	0.50	0.41	L-03, V-05	ND	5.3	4.4	10	3/28/23 23:55	CMR
Hexane	ND	20	2.6		ND	70	9.2	10	3/28/23 23:55	CMR
2-Hexanone (MBK)	ND	0.50	0.25		ND	2.0	1.0	10	3/28/23 23:55	CMR
Isopropanol	ND	20	3.4		ND	49	8.5	10	3/28/23 23:55	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.39		ND	1.8	1.4	10	3/28/23 23:55	CMR
Methylene Chloride	ND	5.0	2.3		ND	17	8.1	10	3/28/23 23:55	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.50	0.27		ND	2.0	1.1	10	3/28/23 23:55	CMR
Naphthalene	ND	0.50	0.38	L-03, V-05	ND	2.6	2.0	10	3/28/23 23:55	CMR
Propene	ND	20	4.4		ND	34	7.6	10	3/28/23 23:55	CMR
Styrene	ND	0.50	0.26		ND	2.1	1.1	10	3/28/23 23:55	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	0.27		ND	3.4	1.9	10	3/28/23 23:55	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 6 3/13/23
Sample ID: 23C2051-06
Sample Matrix: Soil Gas
Sampled: 3/13/2023 12:22

Sample Description/Location:
Sub Description/Location:
Canister ID: 2721
Canister Size: 3 liter
Flow Controller ID: 4334
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	120	0.50	0.38		840	3.4	2.6	10	3/28/23 23:55	CMR
Tetrahydrofuran	5.4	5.0	0.82		16	15	2.4	10	3/28/23 23:55	CMR
Toluene	3.9	0.50	0.29		15	1.9	1.1	10	3/28/23 23:55	CMR
1,2,4-Trichlorobenzene	ND	0.50	0.46	L-03	ND	3.7	3.4	10	3/28/23 23:55	CMR
1,1,1-Trichloroethane	ND	0.50	0.39		ND	2.7	2.1	10	3/28/23 23:55	CMR
1,1,2-Trichloroethane	ND	0.50	0.35		ND	2.7	1.9	10	3/28/23 23:55	CMR
Trichloroethylene	7.6	0.50	0.34		41	2.7	1.8	10	3/28/23 23:55	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	0.59		ND	11	3.3	10	3/28/23 23:55	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.56		ND	15	4.3	10	3/28/23 23:55	CMR
1,2,4-Trimethylbenzene	2.3	0.50	0.22		11	2.5	1.1	10	3/28/23 23:55	CMR
1,3,5-Trimethylbenzene	1.8	0.50	0.26		8.8	2.5	1.3	10	3/28/23 23:55	CMR
Vinyl Acetate	ND	10	2.7		ND	35	9.5	10	3/28/23 23:55	CMR
Vinyl Chloride	ND	0.50	0.45		ND	1.3	1.2	10	3/28/23 23:55	CMR
m&p-Xylene	2.3	1.0	0.56		9.8	4.3	2.4	10	3/28/23 23:55	CMR
o-Xylene	1.0	0.50	0.26		4.4	2.2	1.1	10	3/28/23 23:55	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	105	70-130	3/28/23 23:55

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 7 3/13/23
Sample ID: 23C2051-07
Sample Matrix: Soil Gas
Sampled: 3/13/2023 12:23

Sample Description/Location:
Sub Description/Location:
Canister ID: 2613
Canister Size: 3 liter
Flow Controller ID: 4132
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	60	36		ND	140	86	30	3/29/23 0:44	CMR
Benzene	1.3	1.5	1.1	J	4.2	4.8	3.6	30	3/29/23 0:44	CMR
Benzyl chloride	ND	1.5	1.3		ND	7.8	6.8	30	3/29/23 0:44	CMR
Bromodichloromethane	ND	1.5	1.0		ND	10	7.0	30	3/29/23 0:44	CMR
Bromoform	ND	1.5	1.0		ND	16	11	30	3/29/23 0:44	CMR
Bromomethane	ND	1.5	1.0		ND	5.8	3.9	30	3/29/23 0:44	CMR
1,3-Butadiene	ND	1.5	1.3		ND	3.3	2.8	30	3/29/23 0:44	CMR
2-Butanone (MEK)	ND	60	16		ND	180	47	30	3/29/23 0:44	CMR
Carbon Disulfide	ND	15	1.4		ND	47	4.3	30	3/29/23 0:44	CMR
Carbon Tetrachloride	ND	1.5	1.2		ND	9.4	7.5	30	3/29/23 0:44	CMR
Chlorobenzene	ND	1.5	1.0		ND	6.9	4.6	30	3/29/23 0:44	CMR
Chloroethane	ND	1.5	1.3		ND	4.0	3.5	30	3/29/23 0:44	CMR
Chloroform	ND	1.5	1.4		ND	7.3	7.0	30	3/29/23 0:44	CMR
Chloromethane	ND	3.0	1.2		ND	6.2	2.5	30	3/29/23 0:44	CMR
Cyclohexane	1.5	1.5	0.91	J	5.1	5.2	3.1	30	3/29/23 0:44	CMR
Dibromochloromethane	ND	1.5	0.99		ND	13	8.5	30	3/29/23 0:44	CMR
1,2-Dibromoethane (EDB)	ND	1.5	0.91		ND	12	7.0	30	3/29/23 0:44	CMR
1,2-Dichlorobenzene	ND	1.5	0.86		ND	9.0	5.2	30	3/29/23 0:44	CMR
1,3-Dichlorobenzene	ND	1.5	0.83		ND	9.0	5.0	30	3/29/23 0:44	CMR
1,4-Dichlorobenzene	ND	1.5	0.98		ND	9.0	5.9	30	3/29/23 0:44	CMR
Dichlorodifluoromethane (Freon 12)	ND	1.5	1.5		ND	7.4	7.2	30	3/29/23 0:44	CMR
1,1-Dichloroethane	ND	1.5	1.3		ND	6.1	5.3	30	3/29/23 0:44	CMR
1,2-Dichloroethane	ND	1.5	1.4		ND	6.1	5.5	30	3/29/23 0:44	CMR
1,1-Dichloroethylene	ND	1.5	1.1		ND	5.9	4.5	30	3/29/23 0:44	CMR
cis-1,2-Dichloroethylene	3.0	1.5	1.1		12	5.9	4.3	30	3/29/23 0:44	CMR
trans-1,2-Dichloroethylene	ND	1.5	1.2		ND	5.9	4.7	30	3/29/23 0:44	CMR
1,2-Dichloropropane	ND	1.5	0.81		ND	6.9	3.8	30	3/29/23 0:44	CMR
cis-1,3-Dichloropropene	ND	1.5	0.78		ND	6.8	3.5	30	3/29/23 0:44	CMR
trans-1,3-Dichloropropene	ND	1.5	0.77		ND	6.8	3.5	30	3/29/23 0:44	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.5	1.5		ND	10	10	30	3/29/23 0:44	CMR
1,4-Dioxane	ND	15	1.2		ND	54	4.5	30	3/29/23 0:44	CMR
Ethanol	27	60	26	J	52	110	50	30	3/29/23 0:44	CMR
Ethyl Acetate	ND	15	7.6		ND	54	27	30	3/29/23 0:44	CMR
Ethylbenzene	0.96	1.5	0.88	J	4.2	6.5	3.8	30	3/29/23 0:44	CMR
4-Ethyltoluene	ND	1.5	0.92		ND	7.4	4.5	30	3/29/23 0:44	CMR
Heptane	1.0	1.5	0.96	J	4.2	6.1	3.9	30	3/29/23 0:44	CMR
Hexachlorobutadiene	ND	1.5	1.2	L-03, V-05	ND	16	13	30	3/29/23 0:44	CMR
Hexane	ND	60	7.8		ND	210	28	30	3/29/23 0:44	CMR
2-Hexanone (MBK)	ND	1.5	0.75		ND	6.1	3.1	30	3/29/23 0:44	CMR
Isopropanol	ND	60	10		ND	150	25	30	3/29/23 0:44	CMR
Methyl tert-Butyl Ether (MTBE)	ND	1.5	1.2		ND	5.4	4.2	30	3/29/23 0:44	CMR
Methylene Chloride	ND	15	7.0		ND	52	24	30	3/29/23 0:44	CMR
4-Methyl-2-pentanone (MIBK)	ND	1.5	0.80		ND	6.1	3.3	30	3/29/23 0:44	CMR
Naphthalene	ND	1.5	1.1	L-03, V-05	ND	7.9	5.9	30	3/29/23 0:44	CMR
Propene	ND	60	13		ND	100	23	30	3/29/23 0:44	CMR
Styrene	ND	1.5	0.79		ND	6.4	3.4	30	3/29/23 0:44	CMR
1,1,2,2-Tetrachloroethane	ND	1.5	0.81		ND	10	5.6	30	3/29/23 0:44	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 7 3/13/23
Sample ID: 23C2051-07
Sample Matrix: Soil Gas
Sampled: 3/13/2023 12:23

Sample Description/Location:
Sub Description/Location:
Canister ID: 2613
Canister Size: 3 liter
Flow Controller ID: 4132
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	450	1.5	1.1		3100	10	7.8	30	3/29/23 0:44	CMR
Tetrahydrofuran	3.5	15	2.5	J	10	44	7.3	30	3/29/23 0:44	CMR
Toluene	4.7	1.5	0.86		18	5.7	3.2	30	3/29/23 0:44	CMR
1,2,4-Trichlorobenzene	ND	1.5	1.4	L-03	ND	11	10	30	3/29/23 0:44	CMR
1,1,1-Trichloroethane	ND	1.5	1.2		ND	8.2	6.4	30	3/29/23 0:44	CMR
1,1,2-Trichloroethane	ND	1.5	1.1		ND	8.2	5.8	30	3/29/23 0:44	CMR
Trichloroethylene	2.5	1.5	1.0		13	8.1	5.4	30	3/29/23 0:44	CMR
Trichlorofluoromethane (Freon 11)	ND	6.0	1.8		ND	34	10.0	30	3/29/23 0:44	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	6.0	1.7		ND	46	13	30	3/29/23 0:44	CMR
1,2,4-Trimethylbenzene	2.4	1.5	0.66		12	7.4	3.3	30	3/29/23 0:44	CMR
1,3,5-Trimethylbenzene	4.2	1.5	0.79		20	7.4	3.9	30	3/29/23 0:44	CMR
Vinyl Acetate	ND	30	8.1		ND	110	28	30	3/29/23 0:44	CMR
Vinyl Chloride	ND	1.5	1.4		ND	3.8	3.5	30	3/29/23 0:44	CMR
m&p-Xylene	2.6	3.0	1.7	J	11	13	7.3	30	3/29/23 0:44	CMR
o-Xylene	1.3	1.5	0.77	J	5.6	6.5	3.3	30	3/29/23 0:44	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	105	70-130	3/29/23 0:44

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 8 3/13/23
Sample ID: 23C2051-08
Sample Matrix: Soil Gas
Sampled: 3/13/2023 12:24

Sample Description/Location:
Sub Description/Location:
Canister ID: 2436
Canister Size: 3 liter
Flow Controller ID: 4141
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	600	360		ND	1400	860	300	3/30/23 13:16	CMR
Benzene	ND	15	11		ND	48	36	300	3/30/23 13:16	CMR
Benzyl chloride	ND	15	13		ND	78	68	300	3/30/23 13:16	CMR
Bromodichloromethane	ND	15	10		ND	100	70	300	3/30/23 13:16	CMR
Bromoform	ND	15	10		ND	160	110	300	3/30/23 13:16	CMR
Bromomethane	ND	15	10		ND	58	39	300	3/30/23 13:16	CMR
1,3-Butadiene	ND	15	13		ND	33	28	300	3/30/23 13:16	CMR
2-Butanone (MEK)	ND	600	160		ND	1800	470	300	3/30/23 13:16	CMR
Carbon Disulfide	ND	150	14		ND	470	43	300	3/30/23 13:16	CMR
Carbon Tetrachloride	ND	15	12		ND	94	75	300	3/30/23 13:16	CMR
Chlorobenzene	ND	15	10		ND	69	46	300	3/30/23 13:16	CMR
Chloroethane	ND	15	13		ND	40	35	300	3/30/23 13:16	CMR
Chloroform	ND	15	14		ND	73	70	300	3/30/23 13:16	CMR
Chloromethane	ND	30	12		ND	62	25	300	3/30/23 13:16	CMR
Cyclohexane	27	15	9.1		94	52	31	300	3/30/23 13:16	CMR
Dibromochloromethane	ND	15	9.9		ND	130	85	300	3/30/23 13:16	CMR
1,2-Dibromoethane (EDB)	ND	15	9.1		ND	120	70	300	3/30/23 13:16	CMR
1,2-Dichlorobenzene	ND	15	8.6		ND	90	52	300	3/30/23 13:16	CMR
1,3-Dichlorobenzene	ND	15	8.3		ND	90	50	300	3/30/23 13:16	CMR
1,4-Dichlorobenzene	ND	15	9.8		ND	90	59	300	3/30/23 13:16	CMR
Dichlorodifluoromethane (Freon 12)	ND	15	15		ND	74	72	300	3/30/23 13:16	CMR
1,1-Dichloroethane	ND	15	13		ND	61	53	300	3/30/23 13:16	CMR
1,2-Dichloroethane	ND	15	14		ND	61	55	300	3/30/23 13:16	CMR
1,1-Dichloroethylene	ND	15	11		ND	59	45	300	3/30/23 13:16	CMR
cis-1,2-Dichloroethylene	450	15	11		1800	59	43	300	3/30/23 13:16	CMR
trans-1,2-Dichloroethylene	ND	15	12		ND	59	47	300	3/30/23 13:16	CMR
1,2-Dichloropropane	ND	15	8.1		ND	69	38	300	3/30/23 13:16	CMR
cis-1,3-Dichloropropene	ND	15	7.8		ND	68	35	300	3/30/23 13:16	CMR
trans-1,3-Dichloropropene	ND	15	7.7		ND	68	35	300	3/30/23 13:16	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	15	15		ND	100	100	300	3/30/23 13:16	CMR
1,4-Dioxane	ND	150	12		ND	540	45	300	3/30/23 13:16	CMR
Ethanol	ND	600	260		ND	1100	500	300	3/30/23 13:16	CMR
Ethyl Acetate	ND	150	76		ND	540	270	300	3/30/23 13:16	CMR
Ethylbenzene	ND	15	8.8		ND	65	38	300	3/30/23 13:16	CMR
4-Ethyltoluene	ND	15	9.2		ND	74	45	300	3/30/23 13:16	CMR
Heptane	ND	15	9.6		ND	61	39	300	3/30/23 13:16	CMR
Hexachlorobutadiene	ND	15	12	L-03, V-05	ND	160	130	300	3/30/23 13:16	CMR
Hexane	ND	600	78		ND	2100	280	300	3/30/23 13:16	CMR
2-Hexanone (MBK)	ND	15	7.5		ND	61	31	300	3/30/23 13:16	CMR
Isopropanol	ND	600	100		ND	1500	250	300	3/30/23 13:16	CMR
Methyl tert-Butyl Ether (MTBE)	ND	15	12		ND	54	42	300	3/30/23 13:16	CMR
Methylene Chloride	ND	150	70		ND	520	240	300	3/30/23 13:16	CMR
4-Methyl-2-pentanone (MIBK)	ND	15	8.0		ND	61	33	300	3/30/23 13:16	CMR
Naphthalene	ND	15	11	L-03, V-05	ND	79	59	300	3/30/23 13:16	CMR
Propene	ND	600	130		ND	1000	230	300	3/30/23 13:16	CMR
Styrene	ND	15	7.9		ND	64	34	300	3/30/23 13:16	CMR
1,1,2,2-Tetrachloroethane	ND	15	8.1		ND	100	56	300	3/30/23 13:16	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 8 3/13/23
Sample ID: 23C2051-08
Sample Matrix: Soil Gas
Sampled: 3/13/2023 12:24

Sample Description/Location:
Sub Description/Location:
Canister ID: 2436
Canister Size: 3 liter
Flow Controller ID: 4141
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	3300	15	11		22000	100	78	300	3/30/23 13:16	CMR
Tetrahydrofuran	28	150	25	J	81	440	73	300	3/30/23 13:16	CMR
Toluene	ND	15	8.6		ND	57	32	300	3/30/23 13:16	CMR
1,2,4-Trichlorobenzene	ND	15	14		ND	110	100	300	3/30/23 13:16	CMR
1,1,1-Trichloroethane	ND	15	12		ND	82	64	300	3/30/23 13:16	CMR
1,1,2-Trichloroethane	ND	15	11		ND	82	58	300	3/30/23 13:16	CMR
Trichloroethylene	130	15	10		690	81	54	300	3/30/23 13:16	CMR
Trichlorofluoromethane (Freon 11)	ND	60	18		ND	340	100	300	3/30/23 13:16	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	60	17		ND	460	130	300	3/30/23 13:16	CMR
1,2,4-Trimethylbenzene	ND	15	6.6		ND	74	33	300	3/30/23 13:16	CMR
1,3,5-Trimethylbenzene	ND	15	7.9		ND	74	39	300	3/30/23 13:16	CMR
Vinyl Acetate	ND	300	81		ND	1100	280	300	3/30/23 13:16	CMR
Vinyl Chloride	16	15	14		41	38	35	300	3/30/23 13:16	CMR
m&p-Xylene	ND	30	17		ND	130	73	300	3/30/23 13:16	CMR
o-Xylene	ND	15	7.7		ND	65	33	300	3/30/23 13:16	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	105	70-130	3/30/23 13:16

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 9 3/13/23
Sample ID: 23C2051-09
Sample Matrix: Soil Gas
Sampled: 3/13/2023 12:58

Sample Description/Location:
Sub Description/Location:
Canister ID: 2381
Canister Size: 3 liter
Flow Controller ID: 4134
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -18
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	600	360		ND	1400	860	300	3/30/23 12:23	CMR
Benzene	ND	15	11		ND	48	36	300	3/30/23 12:23	CMR
Benzyl chloride	ND	15	13		ND	78	68	300	3/30/23 12:23	CMR
Bromodichloromethane	ND	15	10		ND	100	70	300	3/30/23 12:23	CMR
Bromoform	ND	15	10		ND	160	110	300	3/30/23 12:23	CMR
Bromomethane	ND	15	10		ND	58	39	300	3/30/23 12:23	CMR
1,3-Butadiene	ND	15	13		ND	33	28	300	3/30/23 12:23	CMR
2-Butanone (MEK)	ND	600	160		ND	1800	470	300	3/30/23 12:23	CMR
Carbon Disulfide	ND	150	14		ND	470	43	300	3/30/23 12:23	CMR
Carbon Tetrachloride	ND	15	12		ND	94	75	300	3/30/23 12:23	CMR
Chlorobenzene	ND	15	10		ND	69	46	300	3/30/23 12:23	CMR
Chloroethane	ND	15	13		ND	40	35	300	3/30/23 12:23	CMR
Chloroform	ND	15	14		ND	73	70	300	3/30/23 12:23	CMR
Chloromethane	ND	30	12		ND	62	25	300	3/30/23 12:23	CMR
Cyclohexane	ND	15	9.1		ND	52	31	300	3/30/23 12:23	CMR
Dibromochloromethane	ND	15	9.9		ND	130	85	300	3/30/23 12:23	CMR
1,2-Dibromoethane (EDB)	ND	15	9.1		ND	120	70	300	3/30/23 12:23	CMR
1,2-Dichlorobenzene	ND	15	8.6		ND	90	52	300	3/30/23 12:23	CMR
1,3-Dichlorobenzene	ND	15	8.3		ND	90	50	300	3/30/23 12:23	CMR
1,4-Dichlorobenzene	ND	15	9.8		ND	90	59	300	3/30/23 12:23	CMR
Dichlorodifluoromethane (Freon 12)	ND	15	15		ND	74	72	300	3/30/23 12:23	CMR
1,1-Dichloroethane	ND	15	13		ND	61	53	300	3/30/23 12:23	CMR
1,2-Dichloroethane	ND	15	14		ND	61	55	300	3/30/23 12:23	CMR
1,1-Dichloroethylene	ND	15	11		ND	59	45	300	3/30/23 12:23	CMR
cis-1,2-Dichloroethylene	42	15	11		170	59	43	300	3/30/23 12:23	CMR
trans-1,2-Dichloroethylene	ND	15	12		ND	59	47	300	3/30/23 12:23	CMR
1,2-Dichloropropane	ND	15	8.1		ND	69	38	300	3/30/23 12:23	CMR
cis-1,3-Dichloropropene	ND	15	7.8		ND	68	35	300	3/30/23 12:23	CMR
trans-1,3-Dichloropropene	ND	15	7.7		ND	68	35	300	3/30/23 12:23	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	15	15		ND	100	100	300	3/30/23 12:23	CMR
1,4-Dioxane	ND	150	12		ND	540	45	300	3/30/23 12:23	CMR
Ethanol	ND	600	260		ND	1100	500	300	3/30/23 12:23	CMR
Ethyl Acetate	ND	150	76		ND	540	270	300	3/30/23 12:23	CMR
Ethylbenzene	ND	15	8.8		ND	65	38	300	3/30/23 12:23	CMR
4-Ethyltoluene	ND	15	9.2		ND	74	45	300	3/30/23 12:23	CMR
Heptane	ND	15	9.6		ND	61	39	300	3/30/23 12:23	CMR
Hexachlorobutadiene	ND	15	12	L-03, V-05	ND	160	130	300	3/30/23 12:23	CMR
Hexane	ND	600	78		ND	2100	280	300	3/30/23 12:23	CMR
2-Hexanone (MBK)	ND	15	7.5		ND	61	31	300	3/30/23 12:23	CMR
Isopropanol	ND	600	100		ND	1500	250	300	3/30/23 12:23	CMR
Methyl tert-Butyl Ether (MTBE)	ND	15	12		ND	54	42	300	3/30/23 12:23	CMR
Methylene Chloride	ND	150	70		ND	520	240	300	3/30/23 12:23	CMR
4-Methyl-2-pentanone (MIBK)	ND	15	8.0		ND	61	33	300	3/30/23 12:23	CMR
Naphthalene	ND	15	11	L-03, V-05	ND	79	59	300	3/30/23 12:23	CMR
Propene	ND	600	130		ND	1000	230	300	3/30/23 12:23	CMR
Styrene	ND	15	7.9		ND	64	34	300	3/30/23 12:23	CMR
1,1,2,2-Tetrachloroethane	ND	15	8.1		ND	100	56	300	3/30/23 12:23	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 9 3/13/23
Sample ID: 23C2051-09
Sample Matrix: Soil Gas
Sampled: 3/13/2023 12:58

Sample Description/Location:
Sub Description/Location:
Canister ID: 2381
Canister Size: 3 liter
Flow Controller ID: 4134
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -18
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	2500	15	11		17000	100	78	300	3/30/23 12:23	CMR
Tetrahydrofuran	ND	150	25		ND	440	73	300	3/30/23 12:23	CMR
Toluene	26	15	8.6		98	57	32	300	3/30/23 12:23	CMR
1,2,4-Trichlorobenzene	ND	15	14		ND	110	100	300	3/30/23 12:23	CMR
1,1,1-Trichloroethane	ND	15	12		ND	82	64	300	3/30/23 12:23	CMR
1,1,2-Trichloroethane	ND	15	11		ND	82	58	300	3/30/23 12:23	CMR
Trichloroethylene	24	15	10		130	81	54	300	3/30/23 12:23	CMR
Trichlorofluoromethane (Freon 11)	ND	60	18		ND	340	100	300	3/30/23 12:23	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	60	17		ND	460	130	300	3/30/23 12:23	CMR
1,2,4-Trimethylbenzene	29	15	6.6		140	74	33	300	3/30/23 12:23	CMR
1,3,5-Trimethylbenzene	23	15	7.9		110	74	39	300	3/30/23 12:23	CMR
Vinyl Acetate	ND	300	81		ND	1100	280	300	3/30/23 12:23	CMR
Vinyl Chloride	ND	15	14		ND	38	35	300	3/30/23 12:23	CMR
m&p-Xylene	ND	30	17		ND	130	73	300	3/30/23 12:23	CMR
o-Xylene	ND	15	7.7		ND	65	33	300	3/30/23 12:23	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	105	70-130	3/30/23 12:23

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 10 3/13/23
Sample ID: 23C2051-10
Sample Matrix: Soil Gas
Sampled: 3/13/2023 13:06

Sample Description/Location:
Sub Description/Location:
Canister ID: 2438
Canister Size: 3 liter
Flow Controller ID: 4253
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	60	36		ND	140	86	30	3/29/23 1:07	CMR
Benzene	ND	1.5	1.1		ND	4.8	3.6	30	3/29/23 1:07	CMR
Benzyl chloride	ND	1.5	1.3		ND	7.8	6.8	30	3/29/23 1:07	CMR
Bromodichloromethane	ND	1.5	1.0		ND	10	7.0	30	3/29/23 1:07	CMR
Bromoform	ND	1.5	1.0		ND	16	11	30	3/29/23 1:07	CMR
Bromomethane	ND	1.5	1.0		ND	5.8	3.9	30	3/29/23 1:07	CMR
1,3-Butadiene	ND	1.5	1.3		ND	3.3	2.8	30	3/29/23 1:07	CMR
2-Butanone (MEK)	ND	60	16		ND	180	47	30	3/29/23 1:07	CMR
Carbon Disulfide	ND	15	1.4		ND	47	4.3	30	3/29/23 1:07	CMR
Carbon Tetrachloride	ND	1.5	1.2		ND	9.4	7.5	30	3/29/23 1:07	CMR
Chlorobenzene	ND	1.5	1.0		ND	6.9	4.6	30	3/29/23 1:07	CMR
Chloroethane	ND	1.5	1.3		ND	4.0	3.5	30	3/29/23 1:07	CMR
Chloroform	ND	1.5	1.4		ND	7.3	7.0	30	3/29/23 1:07	CMR
Chloromethane	ND	3.0	1.2		ND	6.2	2.5	30	3/29/23 1:07	CMR
Cyclohexane	ND	1.5	0.91		ND	5.2	3.1	30	3/29/23 1:07	CMR
Dibromochloromethane	ND	1.5	0.99		ND	13	8.5	30	3/29/23 1:07	CMR
1,2-Dibromoethane (EDB)	ND	1.5	0.91		ND	12	7.0	30	3/29/23 1:07	CMR
1,2-Dichlorobenzene	ND	1.5	0.86		ND	9.0	5.2	30	3/29/23 1:07	CMR
1,3-Dichlorobenzene	ND	1.5	0.83		ND	9.0	5.0	30	3/29/23 1:07	CMR
1,4-Dichlorobenzene	ND	1.5	0.98		ND	9.0	5.9	30	3/29/23 1:07	CMR
Dichlorodifluoromethane (Freon 12)	ND	1.5	1.5		ND	7.4	7.2	30	3/29/23 1:07	CMR
1,1-Dichloroethane	ND	1.5	1.3		ND	6.1	5.3	30	3/29/23 1:07	CMR
1,2-Dichloroethane	ND	1.5	1.4		ND	6.1	5.5	30	3/29/23 1:07	CMR
1,1-Dichloroethylene	ND	1.5	1.1		ND	5.9	4.5	30	3/29/23 1:07	CMR
cis-1,2-Dichloroethylene	690	1.5	1.1		2700	5.9	4.3	30	3/29/23 1:07	CMR
trans-1,2-Dichloroethylene	8.2	1.5	1.2		32	5.9	4.7	30	3/29/23 1:07	CMR
1,2-Dichloropropane	ND	1.5	0.81		ND	6.9	3.8	30	3/29/23 1:07	CMR
cis-1,3-Dichloropropene	ND	1.5	0.78		ND	6.8	3.5	30	3/29/23 1:07	CMR
trans-1,3-Dichloropropene	ND	1.5	0.77		ND	6.8	3.5	30	3/29/23 1:07	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.5	1.5		ND	10	10	30	3/29/23 1:07	CMR
1,4-Dioxane	ND	15	1.2		ND	54	4.5	30	3/29/23 1:07	CMR
Ethanol	ND	60	26		ND	110	50	30	3/29/23 1:07	CMR
Ethyl Acetate	ND	15	7.6		ND	54	27	30	3/29/23 1:07	CMR
Ethylbenzene	ND	1.5	0.88		ND	6.5	3.8	30	3/29/23 1:07	CMR
4-Ethyltoluene	ND	1.5	0.92		ND	7.4	4.5	30	3/29/23 1:07	CMR
Heptane	ND	1.5	0.96		ND	6.1	3.9	30	3/29/23 1:07	CMR
Hexachlorobutadiene	ND	1.5	1.2	L-03, V-05	ND	16	13	30	3/29/23 1:07	CMR
Hexane	ND	60	7.8		ND	210	28	30	3/29/23 1:07	CMR
2-Hexanone (MBK)	ND	1.5	0.75		ND	6.1	3.1	30	3/29/23 1:07	CMR
Isopropanol	ND	60	10		ND	150	25	30	3/29/23 1:07	CMR
Methyl tert-Butyl Ether (MTBE)	ND	1.5	1.2		ND	5.4	4.2	30	3/29/23 1:07	CMR
Methylene Chloride	ND	15	7.0		ND	52	24	30	3/29/23 1:07	CMR
4-Methyl-2-pentanone (MIBK)	ND	1.5	0.80		ND	6.1	3.3	30	3/29/23 1:07	CMR
Naphthalene	ND	1.5	1.1	L-03, V-05	ND	7.9	5.9	30	3/29/23 1:07	CMR
Propene	ND	60	13		ND	100	23	30	3/29/23 1:07	CMR
Styrene	ND	1.5	0.79		ND	6.4	3.4	30	3/29/23 1:07	CMR
1,1,2,2-Tetrachloroethane	ND	1.5	0.81		ND	10	5.6	30	3/29/23 1:07	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 10 3/13/23
Sample ID: 23C2051-10
Sample Matrix: Soil Gas
Sampled: 3/13/2023 13:06

Sample Description/Location:
Sub Description/Location:
Canister ID: 2438
Canister Size: 3 liter
Flow Controller ID: 4253
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	1100	1.5	1.1		7400	10	7.8	30	3/29/23 1:07	CMR
Tetrahydrofuran	6.4	15	2.5	J	19	44	7.3	30	3/29/23 1:07	CMR
Toluene	4.2	1.5	0.86		16	5.7	3.2	30	3/29/23 1:07	CMR
1,2,4-Trichlorobenzene	ND	1.5	1.4	L-03	ND	11	10	30	3/29/23 1:07	CMR
1,1,1-Trichloroethane	ND	1.5	1.2		ND	8.2	6.4	30	3/29/23 1:07	CMR
1,1,2-Trichloroethane	ND	1.5	1.1		ND	8.2	5.8	30	3/29/23 1:07	CMR
Trichloroethylene	16	1.5	1.0		88	8.1	5.4	30	3/29/23 1:07	CMR
Trichlorofluoromethane (Freon 11)	ND	6.0	1.8		ND	34	10.0	30	3/29/23 1:07	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	6.0	1.7		ND	46	13	30	3/29/23 1:07	CMR
1,2,4-Trimethylbenzene	1.4	1.5	0.66	J	6.9	7.4	3.3	30	3/29/23 1:07	CMR
1,3,5-Trimethylbenzene	2.2	1.5	0.79		11	7.4	3.9	30	3/29/23 1:07	CMR
Vinyl Acetate	ND	30	8.1		ND	110	28	30	3/29/23 1:07	CMR
Vinyl Chloride	28	1.5	1.4		72	3.8	3.5	30	3/29/23 1:07	CMR
m&p-Xylene	2.2	3.0	1.7	J	9.6	13	7.3	30	3/29/23 1:07	CMR
o-Xylene	1.1	1.5	0.77	J	4.9	6.5	3.3	30	3/29/23 1:07	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	102	70-130	3/29/23 1:07

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 11 3/13/23
Sample ID: 23C2051-11
Sample Matrix: Soil Gas
Sampled: 3/13/2023 13:08

Sample Description/Location:
Sub Description/Location:
Canister ID: 2402
Canister Size: 3 liter
Flow Controller ID: 4337
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	600	360		ND	1400	860	300	3/30/23 12:50	CMR
Benzene	ND	15	11		ND	48	36	300	3/30/23 12:50	CMR
Benzyl chloride	ND	15	13		ND	78	68	300	3/30/23 12:50	CMR
Bromodichloromethane	ND	15	10		ND	100	70	300	3/30/23 12:50	CMR
Bromoform	ND	15	10		ND	160	110	300	3/30/23 12:50	CMR
Bromomethane	ND	15	10		ND	58	39	300	3/30/23 12:50	CMR
1,3-Butadiene	ND	15	13		ND	33	28	300	3/30/23 12:50	CMR
2-Butanone (MEK)	ND	600	160		ND	1800	470	300	3/30/23 12:50	CMR
Carbon Disulfide	ND	150	14		ND	470	43	300	3/30/23 12:50	CMR
Carbon Tetrachloride	ND	15	12		ND	94	75	300	3/30/23 12:50	CMR
Chlorobenzene	ND	15	10		ND	69	46	300	3/30/23 12:50	CMR
Chloroethane	ND	15	13		ND	40	35	300	3/30/23 12:50	CMR
Chloroform	ND	15	14		ND	73	70	300	3/30/23 12:50	CMR
Chloromethane	58	30	12		120	62	25	300	3/30/23 12:50	CMR
Cyclohexane	ND	15	9.1		ND	52	31	300	3/30/23 12:50	CMR
Dibromochloromethane	ND	15	9.9		ND	130	85	300	3/30/23 12:50	CMR
1,2-Dibromoethane (EDB)	ND	15	9.1		ND	120	70	300	3/30/23 12:50	CMR
1,2-Dichlorobenzene	ND	15	8.6		ND	90	52	300	3/30/23 12:50	CMR
1,3-Dichlorobenzene	ND	15	8.3		ND	90	50	300	3/30/23 12:50	CMR
1,4-Dichlorobenzene	ND	15	9.8		ND	90	59	300	3/30/23 12:50	CMR
Dichlorodifluoromethane (Freon 12)	20	15	15		98	74	72	300	3/30/23 12:50	CMR
1,1-Dichloroethane	ND	15	13		ND	61	53	300	3/30/23 12:50	CMR
1,2-Dichloroethane	ND	15	14		ND	61	55	300	3/30/23 12:50	CMR
1,1-Dichloroethylene	ND	15	11		ND	59	45	300	3/30/23 12:50	CMR
cis-1,2-Dichloroethylene	200	15	11		790	59	43	300	3/30/23 12:50	CMR
trans-1,2-Dichloroethylene	ND	15	12		ND	59	47	300	3/30/23 12:50	CMR
1,2-Dichloropropane	ND	15	8.1		ND	69	38	300	3/30/23 12:50	CMR
cis-1,3-Dichloropropene	ND	15	7.8		ND	68	35	300	3/30/23 12:50	CMR
trans-1,3-Dichloropropene	ND	15	7.7		ND	68	35	300	3/30/23 12:50	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	15	15		ND	100	100	300	3/30/23 12:50	CMR
1,4-Dioxane	ND	150	12		ND	540	45	300	3/30/23 12:50	CMR
Ethanol	680	600	260		1300	1100	500	300	3/30/23 12:50	CMR
Ethyl Acetate	ND	150	76		ND	540	270	300	3/30/23 12:50	CMR
Ethylbenzene	ND	15	8.8		ND	65	38	300	3/30/23 12:50	CMR
4-Ethyltoluene	ND	15	9.2		ND	74	45	300	3/30/23 12:50	CMR
Heptane	ND	15	9.6		ND	61	39	300	3/30/23 12:50	CMR
Hexachlorobutadiene	ND	15	12	L-03, V-05	ND	160	130	300	3/30/23 12:50	CMR
Hexane	ND	600	78		ND	2100	280	300	3/30/23 12:50	CMR
2-Hexanone (MBK)	ND	15	7.5		ND	61	31	300	3/30/23 12:50	CMR
Isopropanol	ND	600	100		ND	1500	250	300	3/30/23 12:50	CMR
Methyl tert-Butyl Ether (MTBE)	ND	15	12		ND	54	42	300	3/30/23 12:50	CMR
Methylene Chloride	110	150	70	J	380	520	240	300	3/30/23 12:50	CMR
4-Methyl-2-pentanone (MIBK)	ND	15	8.0		ND	61	33	300	3/30/23 12:50	CMR
Naphthalene	ND	15	11	L-03, V-05	ND	79	59	300	3/30/23 12:50	CMR
Propene	ND	600	130		ND	1000	230	300	3/30/23 12:50	CMR
Styrene	ND	15	7.9		ND	64	34	300	3/30/23 12:50	CMR
1,1,2,2-Tetrachloroethane	ND	15	8.1		ND	100	56	300	3/30/23 12:50	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 11 3/13/23
Sample ID: 23C2051-11
Sample Matrix: Soil Gas
Sampled: 3/13/2023 13:08

Sample Description/Location:
Sub Description/Location:
Canister ID: 2402
Canister Size: 3 liter
Flow Controller ID: 4337
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	5200	15	11		35000	100	78	300	3/30/23 12:50	CMR
Tetrahydrofuran	ND	150	25		ND	440	73	300	3/30/23 12:50	CMR
Toluene	ND	15	8.6		ND	57	32	300	3/30/23 12:50	CMR
1,2,4-Trichlorobenzene	ND	15	14		ND	110	100	300	3/30/23 12:50	CMR
1,1,1-Trichloroethane	ND	15	12		ND	82	64	300	3/30/23 12:50	CMR
1,1,2-Trichloroethane	ND	15	11		ND	82	58	300	3/30/23 12:50	CMR
Trichloroethylene	130	15	10		720	81	54	300	3/30/23 12:50	CMR
Trichlorofluoromethane (Freon 11)	ND	60	18		ND	340	100	300	3/30/23 12:50	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	60	17		ND	460	130	300	3/30/23 12:50	CMR
1,2,4-Trimethylbenzene	ND	15	6.6		ND	74	33	300	3/30/23 12:50	CMR
1,3,5-Trimethylbenzene	ND	15	7.9		ND	74	39	300	3/30/23 12:50	CMR
Vinyl Acetate	ND	300	81		ND	1100	280	300	3/30/23 12:50	CMR
Vinyl Chloride	ND	15	14		ND	38	35	300	3/30/23 12:50	CMR
m&p-Xylene	ND	30	17		ND	130	73	300	3/30/23 12:50	CMR
o-Xylene	ND	15	7.7		ND	65	33	300	3/30/23 12:50	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	103	70-130	3/30/23 12:50

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 12 3/13/23
Sample ID: 23C2051-12
Sample Matrix: Soil Gas
Sampled: 3/13/2023 13:10

Sample Description/Location:
Sub Description/Location:
Canister ID: 2361
Canister Size: 3 liter
Flow Controller ID: 4321
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	8.0	4.8		ND	19	11	4	3/28/23 23:30	CMR
Benzene	1.2	0.20	0.15		3.8	0.64	0.48	4	3/28/23 23:30	CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	3/28/23 23:30	CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	3/28/23 23:30	CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	3/28/23 23:30	CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	3/28/23 23:30	CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	3/28/23 23:30	CMR
2-Butanone (MEK)	2.5	8.0	2.1	J	7.4	24	6.3	4	3/28/23 23:30	CMR
Carbon Disulfide	ND	2.0	0.18		ND	6.2	0.58	4	3/28/23 23:30	CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	3/28/23 23:30	CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	3/28/23 23:30	CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	3/28/23 23:30	CMR
Chloroform	ND	0.20	0.19		ND	0.98	0.93	4	3/28/23 23:30	CMR
Chloromethane	0.65	0.40	0.16		1.3	0.83	0.33	4	3/28/23 23:30	CMR
Cyclohexane	0.70	0.20	0.12		2.4	0.69	0.42	4	3/28/23 23:30	CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	3/28/23 23:30	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	3/28/23 23:30	CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	3/28/23 23:30	CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	3/28/23 23:30	CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	3/28/23 23:30	CMR
Dichlorodifluoromethane (Freon 12)	0.46	0.20	0.20		2.3	0.99	0.97	4	3/28/23 23:30	CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	3/28/23 23:30	CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	3/28/23 23:30	CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	3/28/23 23:30	CMR
cis-1,2-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.58	4	3/28/23 23:30	CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	3/28/23 23:30	CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	3/28/23 23:30	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	3/28/23 23:30	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	3/28/23 23:30	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	3/28/23 23:30	CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	3/28/23 23:30	CMR
Ethanol	21	8.0	3.5		40	15	6.6	4	3/28/23 23:30	CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	3/28/23 23:30	CMR
Ethylbenzene	0.94	0.20	0.12		4.1	0.87	0.51	4	3/28/23 23:30	CMR
4-Ethyltoluene	0.30	0.20	0.12		1.5	0.98	0.60	4	3/28/23 23:30	CMR
Heptane	0.97	0.20	0.13		4.0	0.82	0.52	4	3/28/23 23:30	CMR
Hexachlorobutadiene	ND	0.20	0.16	L-03, V-05	ND	2.1	1.8	4	3/28/23 23:30	CMR
Hexane	2.5	8.0	1.0	J	8.9	28	3.7	4	3/28/23 23:30	CMR
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	3/28/23 23:30	CMR
Isopropanol	ND	8.0	1.4		ND	20	3.4	4	3/28/23 23:30	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	3/28/23 23:30	CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	3/28/23 23:30	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	3/28/23 23:30	CMR
Naphthalene	ND	0.20	0.15	L-03, V-05	ND	1.0	0.79	4	3/28/23 23:30	CMR
Propene	ND	8.0	1.8		ND	14	3.0	4	3/28/23 23:30	CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	3/28/23 23:30	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	3/28/23 23:30	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 12 3/13/23
Sample ID: 23C2051-12
Sample Matrix: Soil Gas
Sampled: 3/13/2023 13:10

Sample Description/Location:
Sub Description/Location:
Canister ID: 2361
Canister Size: 3 liter
Flow Controller ID: 4321
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

Analyte	ppbv Results	ppbv RL	ppbv MDL	Flag/Qual	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Dilution	Date/Time Analyzed	Analyst
Tetrachloroethylene	86	0.20	0.15		590	1.4	1.0	4	3/28/23 23:30	CMR
Tetrahydrofuran	12	2.0	0.33		37	5.9	0.97	4	3/28/23 23:30	CMR
Toluene	4.7	0.20	0.11		18	0.75	0.43	4	3/28/23 23:30	CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19	L-03	ND	1.5	1.4	4	3/28/23 23:30	CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	3/28/23 23:30	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	3/28/23 23:30	CMR
Trichloroethylene	0.25	0.20	0.13		1.3	1.1	0.72	4	3/28/23 23:30	CMR
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	3/28/23 23:30	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	3/28/23 23:30	CMR
1,2,4-Trimethylbenzene	1.4	0.20	0.088		6.7	0.98	0.43	4	3/28/23 23:30	CMR
1,3,5-Trimethylbenzene	1.7	0.20	0.11		8.5	0.98	0.52	4	3/28/23 23:30	CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	3/28/23 23:30	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	3/28/23 23:30	CMR
m&p-Xylene	2.8	0.40	0.22		12	1.7	0.97	4	3/28/23 23:30	CMR
o-Xylene	1.0	0.20	0.10		4.5	0.87	0.44	4	3/28/23 23:30	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	105	70-130	3/28/23 23:30

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 13 3/13/23
Sample ID: 23C2051-13
Sample Matrix: Soil Gas
Sampled: 3/13/2023 13:44

Sample Description/Location:
Sub Description/Location:
Canister ID: 2718
Canister Size: 3 liter
Flow Controller ID: 4122
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	60	36		ND	140	86	30	3/29/23 1:31	CMR
Benzene	ND	1.5	1.1		ND	4.8	3.6	30	3/29/23 1:31	CMR
Benzyl chloride	ND	1.5	1.3		ND	7.8	6.8	30	3/29/23 1:31	CMR
Bromodichloromethane	ND	1.5	1.0		ND	10	7.0	30	3/29/23 1:31	CMR
Bromoform	ND	1.5	1.0		ND	16	11	30	3/29/23 1:31	CMR
Bromomethane	ND	1.5	1.0		ND	5.8	3.9	30	3/29/23 1:31	CMR
1,3-Butadiene	ND	1.5	1.3		ND	3.3	2.8	30	3/29/23 1:31	CMR
2-Butanone (MEK)	ND	60	16		ND	180	47	30	3/29/23 1:31	CMR
Carbon Disulfide	ND	15	1.4		ND	47	4.3	30	3/29/23 1:31	CMR
Carbon Tetrachloride	ND	1.5	1.2		ND	9.4	7.5	30	3/29/23 1:31	CMR
Chlorobenzene	ND	1.5	1.0		ND	6.9	4.6	30	3/29/23 1:31	CMR
Chloroethane	ND	1.5	1.3		ND	4.0	3.5	30	3/29/23 1:31	CMR
Chloroform	ND	1.5	1.4		ND	7.3	7.0	30	3/29/23 1:31	CMR
Chloromethane	ND	3.0	1.2		ND	6.2	2.5	30	3/29/23 1:31	CMR
Cyclohexane	3.9	1.5	0.91		13	5.2	3.1	30	3/29/23 1:31	CMR
Dibromochloromethane	ND	1.5	0.99		ND	13	8.5	30	3/29/23 1:31	CMR
1,2-Dibromoethane (EDB)	ND	1.5	0.91		ND	12	7.0	30	3/29/23 1:31	CMR
1,2-Dichlorobenzene	ND	1.5	0.86		ND	9.0	5.2	30	3/29/23 1:31	CMR
1,3-Dichlorobenzene	ND	1.5	0.83		ND	9.0	5.0	30	3/29/23 1:31	CMR
1,4-Dichlorobenzene	ND	1.5	0.98		ND	9.0	5.9	30	3/29/23 1:31	CMR
Dichlorodifluoromethane (Freon 12)	ND	1.5	1.5		ND	7.4	7.2	30	3/29/23 1:31	CMR
1,1-Dichloroethane	ND	1.5	1.3		ND	6.1	5.3	30	3/29/23 1:31	CMR
1,2-Dichloroethane	ND	1.5	1.4		ND	6.1	5.5	30	3/29/23 1:31	CMR
1,1-Dichloroethylene	ND	1.5	1.1		ND	5.9	4.5	30	3/29/23 1:31	CMR
cis-1,2-Dichloroethylene	18	1.5	1.1		72	5.9	4.3	30	3/29/23 1:31	CMR
trans-1,2-Dichloroethylene	ND	1.5	1.2		ND	5.9	4.7	30	3/29/23 1:31	CMR
1,2-Dichloropropane	ND	1.5	0.81		ND	6.9	3.8	30	3/29/23 1:31	CMR
cis-1,3-Dichloropropene	ND	1.5	0.78		ND	6.8	3.5	30	3/29/23 1:31	CMR
trans-1,3-Dichloropropene	ND	1.5	0.77		ND	6.8	3.5	30	3/29/23 1:31	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.5	1.5		ND	10	10	30	3/29/23 1:31	CMR
1,4-Dioxane	ND	15	1.2		ND	54	4.5	30	3/29/23 1:31	CMR
Ethanol	ND	60	26		ND	110	50	30	3/29/23 1:31	CMR
Ethyl Acetate	ND	15	7.6		ND	54	27	30	3/29/23 1:31	CMR
Ethylbenzene	ND	1.5	0.88		ND	6.5	3.8	30	3/29/23 1:31	CMR
4-Ethyltoluene	4.4	1.5	0.92		22	7.4	4.5	30	3/29/23 1:31	CMR
Heptane	1.1	1.5	0.96	J	4.5	6.1	3.9	30	3/29/23 1:31	CMR
Hexachlorobutadiene	ND	1.5	1.2	L-03, V-05	ND	16	13	30	3/29/23 1:31	CMR
Hexane	ND	60	7.8		ND	210	28	30	3/29/23 1:31	CMR
2-Hexanone (MBK)	ND	1.5	0.75		ND	6.1	3.1	30	3/29/23 1:31	CMR
Isopropanol	ND	60	10		ND	150	25	30	3/29/23 1:31	CMR
Methyl tert-Butyl Ether (MTBE)	ND	1.5	1.2		ND	5.4	4.2	30	3/29/23 1:31	CMR
Methylene Chloride	ND	15	7.0		ND	52	24	30	3/29/23 1:31	CMR
4-Methyl-2-pentanone (MIBK)	ND	1.5	0.80		ND	6.1	3.3	30	3/29/23 1:31	CMR
Naphthalene	ND	1.5	1.1	L-03, V-05	ND	7.9	5.9	30	3/29/23 1:31	CMR
Propene	ND	60	13		ND	100	23	30	3/29/23 1:31	CMR
Styrene	ND	1.5	0.79		ND	6.4	3.4	30	3/29/23 1:31	CMR
1,1,2,2-Tetrachloroethane	ND	1.5	0.81		ND	10	5.6	30	3/29/23 1:31	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 13 3/13/23
Sample ID: 23C2051-13
Sample Matrix: Soil Gas
Sampled: 3/13/2023 13:44

Sample Description/Location:
Sub Description/Location:
Canister ID: 2718
Canister Size: 3 liter
Flow Controller ID: 4122
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	1300	1.5	1.1		9000	10	7.8	30	3/29/23 1:31	CMR
Tetrahydrofuran	65	15	2.5		190	44	7.3	30	3/29/23 1:31	CMR
Toluene	2.3	1.5	0.86		8.7	5.7	3.2	30	3/29/23 1:31	CMR
1,2,4-Trichlorobenzene	ND	1.5	1.4	L-03	ND	11	10	30	3/29/23 1:31	CMR
1,1,1-Trichloroethane	ND	1.5	1.2		ND	8.2	6.4	30	3/29/23 1:31	CMR
1,1,2-Trichloroethane	ND	1.5	1.1		ND	8.2	5.8	30	3/29/23 1:31	CMR
Trichloroethylene	17	1.5	1.0		93	8.1	5.4	30	3/29/23 1:31	CMR
Trichlorofluoromethane (Freon 11)	ND	6.0	1.8		ND	34	10.0	30	3/29/23 1:31	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	6.0	1.7		ND	46	13	30	3/29/23 1:31	CMR
1,2,4-Trimethylbenzene	51	1.5	0.66		250	7.4	3.3	30	3/29/23 1:31	CMR
1,3,5-Trimethylbenzene	32	1.5	0.79		160	7.4	3.9	30	3/29/23 1:31	CMR
Vinyl Acetate	ND	30	8.1		ND	110	28	30	3/29/23 1:31	CMR
Vinyl Chloride	ND	1.5	1.4		ND	3.8	3.5	30	3/29/23 1:31	CMR
m&p-Xylene	1.7	3.0	1.7	J	7.6	13	7.3	30	3/29/23 1:31	CMR
o-Xylene	1.5	1.5	0.77	J	6.4	6.5	3.3	30	3/29/23 1:31	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	106	70-130	3/29/23 1:31

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 14 3/13/23
Sample ID: 23C2051-14
Sample Matrix: Soil Gas
Sampled: 3/13/2023 13:51

Sample Description/Location:
Sub Description/Location:
Canister ID: 2393
Canister Size: 3 liter
Flow Controller ID: 4346
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	60	36		ND	140	86	30	3/29/23 1:55	CMR
Benzene	ND	1.5	1.1		ND	4.8	3.6	30	3/29/23 1:55	CMR
Benzyl chloride	ND	1.5	1.3		ND	7.8	6.8	30	3/29/23 1:55	CMR
Bromodichloromethane	ND	1.5	1.0		ND	10	7.0	30	3/29/23 1:55	CMR
Bromoform	ND	1.5	1.0		ND	16	11	30	3/29/23 1:55	CMR
Bromomethane	ND	1.5	1.0		ND	5.8	3.9	30	3/29/23 1:55	CMR
1,3-Butadiene	ND	1.5	1.3		ND	3.3	2.8	30	3/29/23 1:55	CMR
2-Butanone (MEK)	ND	60	16		ND	180	47	30	3/29/23 1:55	CMR
Carbon Disulfide	ND	15	1.4		ND	47	4.3	30	3/29/23 1:55	CMR
Carbon Tetrachloride	ND	1.5	1.2		ND	9.4	7.5	30	3/29/23 1:55	CMR
Chlorobenzene	ND	1.5	1.0		ND	6.9	4.6	30	3/29/23 1:55	CMR
Chloroethane	ND	1.5	1.3		ND	4.0	3.5	30	3/29/23 1:55	CMR
Chloroform	ND	1.5	1.4		ND	7.3	7.0	30	3/29/23 1:55	CMR
Chloromethane	ND	3.0	1.2		ND	6.2	2.5	30	3/29/23 1:55	CMR
Cyclohexane	ND	1.5	0.91		ND	5.2	3.1	30	3/29/23 1:55	CMR
Dibromochloromethane	ND	1.5	0.99		ND	13	8.5	30	3/29/23 1:55	CMR
1,2-Dibromoethane (EDB)	ND	1.5	0.91		ND	12	7.0	30	3/29/23 1:55	CMR
1,2-Dichlorobenzene	ND	1.5	0.86		ND	9.0	5.2	30	3/29/23 1:55	CMR
1,3-Dichlorobenzene	ND	1.5	0.83		ND	9.0	5.0	30	3/29/23 1:55	CMR
1,4-Dichlorobenzene	ND	1.5	0.98		ND	9.0	5.9	30	3/29/23 1:55	CMR
Dichlorodifluoromethane (Freon 12)	ND	1.5	1.5		ND	7.4	7.2	30	3/29/23 1:55	CMR
1,1-Dichloroethane	ND	1.5	1.3		ND	6.1	5.3	30	3/29/23 1:55	CMR
1,2-Dichloroethane	ND	1.5	1.4		ND	6.1	5.5	30	3/29/23 1:55	CMR
1,1-Dichloroethylene	ND	1.5	1.1		ND	5.9	4.5	30	3/29/23 1:55	CMR
cis-1,2-Dichloroethylene	42	1.5	1.1		170	5.9	4.3	30	3/29/23 1:55	CMR
trans-1,2-Dichloroethylene	ND	1.5	1.2		ND	5.9	4.7	30	3/29/23 1:55	CMR
1,2-Dichloropropane	ND	1.5	0.81		ND	6.9	3.8	30	3/29/23 1:55	CMR
cis-1,3-Dichloropropene	ND	1.5	0.78		ND	6.8	3.5	30	3/29/23 1:55	CMR
trans-1,3-Dichloropropene	ND	1.5	0.77		ND	6.8	3.5	30	3/29/23 1:55	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.5	1.5		ND	10	10	30	3/29/23 1:55	CMR
1,4-Dioxane	ND	15	1.2		ND	54	4.5	30	3/29/23 1:55	CMR
Ethanol	ND	60	26		ND	110	50	30	3/29/23 1:55	CMR
Ethyl Acetate	ND	15	7.6		ND	54	27	30	3/29/23 1:55	CMR
Ethylbenzene	ND	1.5	0.88		ND	6.5	3.8	30	3/29/23 1:55	CMR
4-Ethyltoluene	ND	1.5	0.92		ND	7.4	4.5	30	3/29/23 1:55	CMR
Heptane	ND	1.5	0.96		ND	6.1	3.9	30	3/29/23 1:55	CMR
Hexachlorobutadiene	ND	1.5	1.2	L-03, V-05	ND	16	13	30	3/29/23 1:55	CMR
Hexane	ND	60	7.8		ND	210	28	30	3/29/23 1:55	CMR
2-Hexanone (MBK)	ND	1.5	0.75		ND	6.1	3.1	30	3/29/23 1:55	CMR
Isopropanol	ND	60	10		ND	150	25	30	3/29/23 1:55	CMR
Methyl tert-Butyl Ether (MTBE)	ND	1.5	1.2		ND	5.4	4.2	30	3/29/23 1:55	CMR
Methylene Chloride	ND	15	7.0		ND	52	24	30	3/29/23 1:55	CMR
4-Methyl-2-pentanone (MIBK)	ND	1.5	0.80		ND	6.1	3.3	30	3/29/23 1:55	CMR
Naphthalene	ND	1.5	1.1	L-03, V-05	ND	7.9	5.9	30	3/29/23 1:55	CMR
Propene	ND	60	13		ND	100	23	30	3/29/23 1:55	CMR
Styrene	ND	1.5	0.79		ND	6.4	3.4	30	3/29/23 1:55	CMR
1,1,2,2-Tetrachloroethane	ND	1.5	0.81		ND	10	5.6	30	3/29/23 1:55	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 14 3/13/23
Sample ID: 23C2051-14
Sample Matrix: Soil Gas
Sampled: 3/13/2023 13:51

Sample Description/Location:
Sub Description/Location:
Canister ID: 2393
Canister Size: 3 liter
Flow Controller ID: 4346
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	810	1.5	1.1		5500	10	7.8	30	3/29/23 1:55	CMR
Tetrahydrofuran	ND	15	2.5		ND	44	7.3	30	3/29/23 1:55	CMR
Toluene	1.6	1.5	0.86		6.1	5.7	3.2	30	3/29/23 1:55	CMR
1,2,4-Trichlorobenzene	ND	1.5	1.4	L-03	ND	11	10	30	3/29/23 1:55	CMR
1,1,1-Trichloroethane	ND	1.5	1.2		ND	8.2	6.4	30	3/29/23 1:55	CMR
1,1,2-Trichloroethane	ND	1.5	1.1		ND	8.2	5.8	30	3/29/23 1:55	CMR
Trichloroethylene	10	1.5	1.0		56	8.1	5.4	30	3/29/23 1:55	CMR
Trichlorofluoromethane (Freon 11)	ND	6.0	1.8		ND	34	10.0	30	3/29/23 1:55	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	6.0	1.7		ND	46	13	30	3/29/23 1:55	CMR
1,2,4-Trimethylbenzene	2.2	1.5	0.66		11	7.4	3.3	30	3/29/23 1:55	CMR
1,3,5-Trimethylbenzene	4.7	1.5	0.79		23	7.4	3.9	30	3/29/23 1:55	CMR
Vinyl Acetate	ND	30	8.1		ND	110	28	30	3/29/23 1:55	CMR
Vinyl Chloride	ND	1.5	1.4		ND	3.8	3.5	30	3/29/23 1:55	CMR
m&p-Xylene	ND	3.0	1.7		ND	13	7.3	30	3/29/23 1:55	CMR
o-Xylene	ND	1.5	0.77		ND	6.5	3.3	30	3/29/23 1:55	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	104	70-130	3/29/23 1:55

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE Duplicate 14 3/13/23
Sample ID: 23C2051-15
Sample Matrix: Soil Gas
Sampled: 3/13/2023 13:44

Sample Description/Location:
Sub Description/Location:
Canister ID: 2614
Canister Size: 3 liter
Flow Controller ID: 4261
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	4.0	2.4		ND	9.5	5.7	2	3/28/23 23:06	CMR
Benzene	1.3	0.10	0.076		4.3	0.32	0.24	2	3/28/23 23:06	CMR
Benzyl chloride	ND	0.10	0.088		ND	0.52	0.46	2	3/28/23 23:06	CMR
Bromodichloromethane	ND	0.10	0.070		ND	0.67	0.47	2	3/28/23 23:06	CMR
Bromoform	ND	0.10	0.068		ND	1.0	0.70	2	3/28/23 23:06	CMR
Bromomethane	ND	0.10	0.067		ND	0.39	0.26	2	3/28/23 23:06	CMR
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	3/28/23 23:06	CMR
2-Butanone (MEK)	ND	4.0	1.1		ND	12	3.1	2	3/28/23 23:06	CMR
Carbon Disulfide	ND	1.0	0.092		ND	3.1	0.29	2	3/28/23 23:06	CMR
Carbon Tetrachloride	ND	0.10	0.080		ND	0.63	0.50	2	3/28/23 23:06	CMR
Chlorobenzene	ND	0.10	0.066		ND	0.46	0.31	2	3/28/23 23:06	CMR
Chloroethane	ND	0.10	0.089		ND	0.26	0.23	2	3/28/23 23:06	CMR
Chloroform	ND	0.10	0.095		ND	0.49	0.46	2	3/28/23 23:06	CMR
Chloromethane	0.60	0.20	0.079		1.2	0.41	0.16	2	3/28/23 23:06	CMR
Cyclohexane	0.80	0.10	0.060		2.8	0.34	0.21	2	3/28/23 23:06	CMR
Dibromochloromethane	ND	0.10	0.066		ND	0.85	0.56	2	3/28/23 23:06	CMR
1,2-Dibromoethane (EDB)	ND	0.10	0.060		ND	0.77	0.46	2	3/28/23 23:06	CMR
1,2-Dichlorobenzene	ND	0.10	0.057		ND	0.60	0.35	2	3/28/23 23:06	CMR
1,3-Dichlorobenzene	ND	0.10	0.055		ND	0.60	0.33	2	3/28/23 23:06	CMR
1,4-Dichlorobenzene	ND	0.10	0.065		ND	0.60	0.39	2	3/28/23 23:06	CMR
Dichlorodifluoromethane (Freon 12)	0.44	0.10	0.098		2.2	0.49	0.48	2	3/28/23 23:06	CMR
1,1-Dichloroethane	ND	0.10	0.087		ND	0.40	0.35	2	3/28/23 23:06	CMR
1,2-Dichloroethane	ND	0.10	0.091		ND	0.40	0.37	2	3/28/23 23:06	CMR
1,1-Dichloroethylene	ND	0.10	0.076		ND	0.40	0.30	2	3/28/23 23:06	CMR
cis-1,2-Dichloroethylene	0.37	0.10	0.073		1.5	0.40	0.29	2	3/28/23 23:06	CMR
trans-1,2-Dichloroethylene	ND	0.10	0.079		ND	0.40	0.31	2	3/28/23 23:06	CMR
1,2-Dichloropropane	ND	0.10	0.054		ND	0.46	0.25	2	3/28/23 23:06	CMR
cis-1,3-Dichloropropene	ND	0.10	0.052		ND	0.45	0.24	2	3/28/23 23:06	CMR
trans-1,3-Dichloropropene	ND	0.10	0.051		ND	0.45	0.23	2	3/28/23 23:06	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.098		ND	0.70	0.69	2	3/28/23 23:06	CMR
1,4-Dioxane	ND	1.0	0.083		ND	3.6	0.30	2	3/28/23 23:06	CMR
Ethanol	30	4.0	1.8		57	7.5	3.3	2	3/28/23 23:06	CMR
Ethyl Acetate	ND	1.0	0.51		ND	3.6	1.8	2	3/28/23 23:06	CMR
Ethylbenzene	1.0	0.10	0.058		4.4	0.43	0.25	2	3/28/23 23:06	CMR
4-Ethyltoluene	0.16	0.10	0.061		0.78	0.49	0.30	2	3/28/23 23:06	CMR
Heptane	1.2	0.10	0.064		4.8	0.41	0.26	2	3/28/23 23:06	CMR
Hexachlorobutadiene	ND	0.10	0.082	L-03, V-05	ND	1.1	0.88	2	3/28/23 23:06	CMR
Hexane	3.3	4.0	0.52	J	12	14	1.8	2	3/28/23 23:06	CMR
2-Hexanone (MBK)	ND	0.10	0.050		ND	0.41	0.20	2	3/28/23 23:06	CMR
Isopropanol	5.6	4.0	0.69		14	9.8	1.7	2	3/28/23 23:06	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.077		ND	0.36	0.28	2	3/28/23 23:06	CMR
Methylene Chloride	ND	1.0	0.46		ND	3.5	1.6	2	3/28/23 23:06	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	3/28/23 23:06	CMR
Naphthalene	ND	0.10	0.075	L-03, V-05	ND	0.52	0.40	2	3/28/23 23:06	CMR
Propene	ND	4.0	0.88		ND	6.9	1.5	2	3/28/23 23:06	CMR
Styrene	ND	0.10	0.053		ND	0.43	0.22	2	3/28/23 23:06	CMR
1,1,2,2-Tetrachloroethane	ND	0.10	0.054		ND	0.69	0.37	2	3/28/23 23:06	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE Duplicate 14 3/13/23
Sample ID: 23C2051-15
Sample Matrix: Soil Gas
Sampled: 3/13/2023 13:44

Sample Description/Location:
Sub Description/Location:
Canister ID: 2614
Canister Size: 3 liter
Flow Controller ID: 4261
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.83	0.10	0.076		5.6	0.68	0.52	2	3/28/23 23:06	CMR
Tetrahydrofuran	0.56	1.0	0.16	J	1.6	2.9	0.48	2	3/28/23 23:06	CMR
Toluene	5.6	0.10	0.057		21	0.38	0.22	2	3/28/23 23:06	CMR
1,2,4-Trichlorobenzene	ND	0.10	0.093	L-03	ND	0.74	0.69	2	3/28/23 23:06	CMR
1,1,1-Trichloroethane	ND	0.10	0.079		ND	0.55	0.43	2	3/28/23 23:06	CMR
1,1,2-Trichloroethane	ND	0.10	0.070		ND	0.55	0.38	2	3/28/23 23:06	CMR
Trichloroethylene	ND	0.10	0.067		ND	0.54	0.36	2	3/28/23 23:06	CMR
Trichlorofluoromethane (Freon 11)	0.24	0.40	0.12	J	1.3	2.2	0.66	2	3/28/23 23:06	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40	0.11		ND	3.1	0.85	2	3/28/23 23:06	CMR
1,2,4-Trimethylbenzene	0.78	0.10	0.044		3.8	0.49	0.22	2	3/28/23 23:06	CMR
1,3,5-Trimethylbenzene	0.21	0.10	0.053		1.1	0.49	0.26	2	3/28/23 23:06	CMR
Vinyl Acetate	ND	2.0	0.54		ND	7.0	1.9	2	3/28/23 23:06	CMR
Vinyl Chloride	ND	0.10	0.090		ND	0.26	0.23	2	3/28/23 23:06	CMR
m&p-Xylene	2.9	0.20	0.11		13	0.87	0.49	2	3/28/23 23:06	CMR
o-Xylene	1.1	0.10	0.051		4.6	0.43	0.22	2	3/28/23 23:06	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	107	70-130	3/28/23 23:06

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 15 3/13/23
Sample ID: 23C2051-16
Sample Matrix: Soil Gas
Sampled: 3/13/2023 13:30

Sample Description/Location:
Sub Description/Location:
Canister ID: 2266
Canister Size: 3 liter
Flow Controller ID: 4111
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	60	36		ND	140	86	30	3/30/23 2:53	CMR
Benzene	ND	1.5	1.1		ND	4.8	3.6	30	3/30/23 2:53	CMR
Benzyl chloride	ND	1.5	1.3		ND	7.8	6.8	30	3/30/23 2:53	CMR
Bromodichloromethane	ND	1.5	1.0		ND	10	7.0	30	3/30/23 2:53	CMR
Bromoform	ND	1.5	1.0		ND	16	11	30	3/30/23 2:53	CMR
Bromomethane	ND	1.5	1.0		ND	5.8	3.9	30	3/30/23 2:53	CMR
1,3-Butadiene	ND	1.5	1.3		ND	3.3	2.8	30	3/30/23 2:53	CMR
2-Butanone (MEK)	ND	60	16		ND	180	47	30	3/30/23 2:53	CMR
Carbon Disulfide	ND	15	1.4		ND	47	4.3	30	3/30/23 2:53	CMR
Carbon Tetrachloride	ND	1.5	1.2		ND	9.4	7.5	30	3/30/23 2:53	CMR
Chlorobenzene	ND	1.5	1.0		ND	6.9	4.6	30	3/30/23 2:53	CMR
Chloroethane	ND	1.5	1.3		ND	4.0	3.5	30	3/30/23 2:53	CMR
Chloroform	ND	1.5	1.4		ND	7.3	7.0	30	3/30/23 2:53	CMR
Chloromethane	ND	3.0	1.2		ND	6.2	2.5	30	3/30/23 2:53	CMR
Cyclohexane	ND	1.5	0.91		ND	5.2	3.1	30	3/30/23 2:53	CMR
Dibromochloromethane	ND	1.5	0.99		ND	13	8.5	30	3/30/23 2:53	CMR
1,2-Dibromoethane (EDB)	ND	1.5	0.91		ND	12	7.0	30	3/30/23 2:53	CMR
1,2-Dichlorobenzene	ND	1.5	0.86		ND	9.0	5.2	30	3/30/23 2:53	CMR
1,3-Dichlorobenzene	ND	1.5	0.83		ND	9.0	5.0	30	3/30/23 2:53	CMR
1,4-Dichlorobenzene	ND	1.5	0.98		ND	9.0	5.9	30	3/30/23 2:53	CMR
Dichlorodifluoromethane (Freon 12)	ND	1.5	1.5		ND	7.4	7.2	30	3/30/23 2:53	CMR
1,1-Dichloroethane	ND	1.5	1.3		ND	6.1	5.3	30	3/30/23 2:53	CMR
1,2-Dichloroethane	ND	1.5	1.4		ND	6.1	5.5	30	3/30/23 2:53	CMR
1,1-Dichloroethylene	ND	1.5	1.1		ND	5.9	4.5	30	3/30/23 2:53	CMR
cis-1,2-Dichloroethylene	730	1.5	1.1		2900	5.9	4.3	30	3/30/23 2:53	CMR
trans-1,2-Dichloroethylene	ND	1.5	1.2		ND	5.9	4.7	30	3/30/23 2:53	CMR
1,2-Dichloropropane	ND	1.5	0.81		ND	6.9	3.8	30	3/30/23 2:53	CMR
cis-1,3-Dichloropropene	ND	1.5	0.78		ND	6.8	3.5	30	3/30/23 2:53	CMR
trans-1,3-Dichloropropene	ND	1.5	0.77		ND	6.8	3.5	30	3/30/23 2:53	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.5	1.5		ND	10	10	30	3/30/23 2:53	CMR
1,4-Dioxane	ND	15	1.2		ND	54	4.5	30	3/30/23 2:53	CMR
Ethanol	ND	60	26		ND	110	50	30	3/30/23 2:53	CMR
Ethyl Acetate	ND	15	7.6		ND	54	27	30	3/30/23 2:53	CMR
Ethylbenzene	ND	1.5	0.88		ND	6.5	3.8	30	3/30/23 2:53	CMR
4-Ethyltoluene	ND	1.5	0.92		ND	7.4	4.5	30	3/30/23 2:53	CMR
Heptane	ND	1.5	0.96		ND	6.1	3.9	30	3/30/23 2:53	CMR
Hexachlorobutadiene	ND	1.5	1.2	L-03, V-05	ND	16	13	30	3/30/23 2:53	CMR
Hexane	ND	60	7.8		ND	210	28	30	3/30/23 2:53	CMR
2-Hexanone (MBK)	ND	1.5	0.75		ND	6.1	3.1	30	3/30/23 2:53	CMR
Isopropanol	ND	60	10		ND	150	25	30	3/30/23 2:53	CMR
Methyl tert-Butyl Ether (MTBE)	ND	1.5	1.2		ND	5.4	4.2	30	3/30/23 2:53	CMR
Methylene Chloride	ND	15	7.0		ND	52	24	30	3/30/23 2:53	CMR
4-Methyl-2-pentanone (MIBK)	ND	1.5	0.80		ND	6.1	3.3	30	3/30/23 2:53	CMR
Naphthalene	ND	1.5	1.1	L-03, V-05	ND	7.9	5.9	30	3/30/23 2:53	CMR
Propene	ND	60	13		ND	100	23	30	3/30/23 2:53	CMR
Styrene	ND	1.5	0.79		ND	6.4	3.4	30	3/30/23 2:53	CMR
1,1,2,2-Tetrachloroethane	ND	1.5	0.81		ND	10	5.6	30	3/30/23 2:53	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 15 3/13/23
Sample ID: 23C2051-16
Sample Matrix: Soil Gas
Sampled: 3/13/2023 13:30

Sample Description/Location:
Sub Description/Location:
Canister ID: 2266
Canister Size: 3 liter
Flow Controller ID: 4111
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	310	1.5	1.1		2100	10	7.8	30	3/30/23 2:53	CMR
Tetrahydrofuran	49	15	2.5		150	44	7.3	30	3/30/23 2:53	CMR
Toluene	2.5	1.5	0.86		9.4	5.7	3.2	30	3/30/23 2:53	CMR
1,2,4-Trichlorobenzene	ND	1.5	1.4		ND	11	10	30	3/30/23 2:53	CMR
1,1,1-Trichloroethane	ND	1.5	1.2		ND	8.2	6.4	30	3/30/23 2:53	CMR
1,1,2-Trichloroethane	ND	1.5	1.1		ND	8.2	5.8	30	3/30/23 2:53	CMR
Trichloroethylene	83	1.5	1.0		450	8.1	5.4	30	3/30/23 2:53	CMR
Trichlorofluoromethane (Freon 11)	ND	6.0	1.8		ND	34	10.0	30	3/30/23 2:53	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	6.0	1.7		ND	46	13	30	3/30/23 2:53	CMR
1,2,4-Trimethylbenzene	0.78	1.5	0.66	J	3.8	7.4	3.3	30	3/30/23 2:53	CMR
1,3,5-Trimethylbenzene	1.0	1.5	0.79	J	5.2	7.4	3.9	30	3/30/23 2:53	CMR
Vinyl Acetate	ND	30	8.1		ND	110	28	30	3/30/23 2:53	CMR
Vinyl Chloride	ND	1.5	1.4		ND	3.8	3.5	30	3/30/23 2:53	CMR
m&p-Xylene	ND	3.0	1.7		ND	13	7.3	30	3/30/23 2:53	CMR
o-Xylene	ND	1.5	0.77		ND	6.5	3.3	30	3/30/23 2:53	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	103	70-130	3/30/23 2:53

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 16 3/13/23
Sample ID: 23C2051-17
Sample Matrix: Soil Gas
Sampled: 3/13/2023 14:42

Sample Description/Location:
Sub Description/Location:
Canister ID: 2610
Canister Size: 3 liter
Flow Controller ID: 4139
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	60	36		ND	140	86	30	3/30/23 2:30	CMR
Benzene	ND	1.5	1.1		ND	4.8	3.6	30	3/30/23 2:30	CMR
Benzyl chloride	ND	1.5	1.3		ND	7.8	6.8	30	3/30/23 2:30	CMR
Bromodichloromethane	ND	1.5	1.0		ND	10	7.0	30	3/30/23 2:30	CMR
Bromoform	ND	1.5	1.0		ND	16	11	30	3/30/23 2:30	CMR
Bromomethane	ND	1.5	1.0		ND	5.8	3.9	30	3/30/23 2:30	CMR
1,3-Butadiene	ND	1.5	1.3		ND	3.3	2.8	30	3/30/23 2:30	CMR
2-Butanone (MEK)	ND	60	16		ND	180	47	30	3/30/23 2:30	CMR
Carbon Disulfide	ND	15	1.4		ND	47	4.3	30	3/30/23 2:30	CMR
Carbon Tetrachloride	ND	1.5	1.2		ND	9.4	7.5	30	3/30/23 2:30	CMR
Chlorobenzene	ND	1.5	1.0		ND	6.9	4.6	30	3/30/23 2:30	CMR
Chloroethane	ND	1.5	1.3		ND	4.0	3.5	30	3/30/23 2:30	CMR
Chloroform	ND	1.5	1.4		ND	7.3	7.0	30	3/30/23 2:30	CMR
Chloromethane	ND	3.0	1.2		ND	6.2	2.5	30	3/30/23 2:30	CMR
Cyclohexane	ND	1.5	0.91		ND	5.2	3.1	30	3/30/23 2:30	CMR
Dibromochloromethane	ND	1.5	0.99		ND	13	8.5	30	3/30/23 2:30	CMR
1,2-Dibromoethane (EDB)	ND	1.5	0.91		ND	12	7.0	30	3/30/23 2:30	CMR
1,2-Dichlorobenzene	ND	1.5	0.86		ND	9.0	5.2	30	3/30/23 2:30	CMR
1,3-Dichlorobenzene	ND	1.5	0.83		ND	9.0	5.0	30	3/30/23 2:30	CMR
1,4-Dichlorobenzene	ND	1.5	0.98		ND	9.0	5.9	30	3/30/23 2:30	CMR
Dichlorodifluoromethane (Freon 12)	ND	1.5	1.5		ND	7.4	7.2	30	3/30/23 2:30	CMR
1,1-Dichloroethane	ND	1.5	1.3		ND	6.1	5.3	30	3/30/23 2:30	CMR
1,2-Dichloroethane	ND	1.5	1.4		ND	6.1	5.5	30	3/30/23 2:30	CMR
1,1-Dichloroethylene	ND	1.5	1.1		ND	5.9	4.5	30	3/30/23 2:30	CMR
cis-1,2-Dichloroethylene	12	1.5	1.1		49	5.9	4.3	30	3/30/23 2:30	CMR
trans-1,2-Dichloroethylene	ND	1.5	1.2		ND	5.9	4.7	30	3/30/23 2:30	CMR
1,2-Dichloropropane	ND	1.5	0.81		ND	6.9	3.8	30	3/30/23 2:30	CMR
cis-1,3-Dichloropropene	ND	1.5	0.78		ND	6.8	3.5	30	3/30/23 2:30	CMR
trans-1,3-Dichloropropene	ND	1.5	0.77		ND	6.8	3.5	30	3/30/23 2:30	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.5	1.5		ND	10	10	30	3/30/23 2:30	CMR
1,4-Dioxane	ND	15	1.2		ND	54	4.5	30	3/30/23 2:30	CMR
Ethanol	39	60	26	J	74	110	50	30	3/30/23 2:30	CMR
Ethyl Acetate	9.0	15	7.6	J	32	54	27	30	3/30/23 2:30	CMR
Ethylbenzene	ND	1.5	0.88		ND	6.5	3.8	30	3/30/23 2:30	CMR
4-Ethyltoluene	ND	1.5	0.92		ND	7.4	4.5	30	3/30/23 2:30	CMR
Heptane	ND	1.5	0.96		ND	6.1	3.9	30	3/30/23 2:30	CMR
Hexachlorobutadiene	ND	1.5	1.2	L-03, V-05	ND	16	13	30	3/30/23 2:30	CMR
Hexane	ND	60	7.8		ND	210	28	30	3/30/23 2:30	CMR
2-Hexanone (MBK)	ND	1.5	0.75		ND	6.1	3.1	30	3/30/23 2:30	CMR
Isopropanol	ND	60	10		ND	150	25	30	3/30/23 2:30	CMR
Methyl tert-Butyl Ether (MTBE)	ND	1.5	1.2		ND	5.4	4.2	30	3/30/23 2:30	CMR
Methylene Chloride	ND	15	7.0		ND	52	24	30	3/30/23 2:30	CMR
4-Methyl-2-pentanone (MIBK)	ND	1.5	0.80		ND	6.1	3.3	30	3/30/23 2:30	CMR
Naphthalene	ND	1.5	1.1	L-03, V-05	ND	7.9	5.9	30	3/30/23 2:30	CMR
Propene	ND	60	13		ND	100	23	30	3/30/23 2:30	CMR
Styrene	ND	1.5	0.79		ND	6.4	3.4	30	3/30/23 2:30	CMR
1,1,2,2-Tetrachloroethane	ND	1.5	0.81		ND	10	5.6	30	3/30/23 2:30	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 16 3/13/23
Sample ID: 23C2051-17
Sample Matrix: Soil Gas
Sampled: 3/13/2023 14:42

Sample Description/Location:
Sub Description/Location:
Canister ID: 2610
Canister Size: 3 liter
Flow Controller ID: 4139
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	530	1.5	1.1		3600	10	7.8	30	3/30/23 2:30	CMR
Tetrahydrofuran	2.5	15	2.5	J	7.4	44	7.3	30	3/30/23 2:30	CMR
Toluene	5.2	1.5	0.86		19	5.7	3.2	30	3/30/23 2:30	CMR
1,2,4-Trichlorobenzene	ND	1.5	1.4		ND	11	10	30	3/30/23 2:30	CMR
1,1,1-Trichloroethane	ND	1.5	1.2		ND	8.2	6.4	30	3/30/23 2:30	CMR
1,1,2-Trichloroethane	ND	1.5	1.1		ND	8.2	5.8	30	3/30/23 2:30	CMR
Trichloroethylene	3.4	1.5	1.0		19	8.1	5.4	30	3/30/23 2:30	CMR
Trichlorofluoromethane (Freon 11)	ND	6.0	1.8		ND	34	10.0	30	3/30/23 2:30	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	6.0	1.7		ND	46	13	30	3/30/23 2:30	CMR
1,2,4-Trimethylbenzene	1.2	1.5	0.66	J	5.8	7.4	3.3	30	3/30/23 2:30	CMR
1,3,5-Trimethylbenzene	1.1	1.5	0.79	J	5.5	7.4	3.9	30	3/30/23 2:30	CMR
Vinyl Acetate	ND	30	8.1		ND	110	28	30	3/30/23 2:30	CMR
Vinyl Chloride	ND	1.5	1.4		ND	3.8	3.5	30	3/30/23 2:30	CMR
m&p-Xylene	2.3	3.0	1.7	J	10	13	7.3	30	3/30/23 2:30	CMR
o-Xylene	1.0	1.5	0.77	J	4.4	6.5	3.3	30	3/30/23 2:30	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	102	70-130	3/30/23 2:30

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 17 3/13/23
Sample ID: 23C2051-18
Sample Matrix: Soil Gas
Sampled: 3/13/2023 14:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 2372
Canister Size: 3 liter
Flow Controller ID: 4340
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	20	12		ND	48	29	10	3/30/23 2:06	CMR
Benzene	0.53	0.50	0.38		1.7	1.6	1.2	10	3/30/23 2:06	CMR
Benzyl chloride	ND	0.50	0.44		ND	2.6	2.3	10	3/30/23 2:06	CMR
Bromodichloromethane	ND	0.50	0.35		ND	3.4	2.3	10	3/30/23 2:06	CMR
Bromoform	ND	0.50	0.34		ND	5.2	3.5	10	3/30/23 2:06	CMR
Bromomethane	ND	0.50	0.33		ND	1.9	1.3	10	3/30/23 2:06	CMR
1,3-Butadiene	ND	0.50	0.42		ND	1.1	0.93	10	3/30/23 2:06	CMR
2-Butanone (MEK)	ND	20	5.3		ND	59	16	10	3/30/23 2:06	CMR
Carbon Disulfide	ND	5.0	0.46		ND	16	1.4	10	3/30/23 2:06	CMR
Carbon Tetrachloride	ND	0.50	0.40		ND	3.1	2.5	10	3/30/23 2:06	CMR
Chlorobenzene	ND	0.50	0.33		ND	2.3	1.5	10	3/30/23 2:06	CMR
Chloroethane	ND	0.50	0.44		ND	1.3	1.2	10	3/30/23 2:06	CMR
Chloroform	ND	0.50	0.48		ND	2.4	2.3	10	3/30/23 2:06	CMR
Chloromethane	0.84	1.0	0.40	J	1.7	2.1	0.82	10	3/30/23 2:06	CMR
Cyclohexane	ND	0.50	0.30		ND	1.7	1.0	10	3/30/23 2:06	CMR
Dibromochloromethane	ND	0.50	0.33		ND	4.3	2.8	10	3/30/23 2:06	CMR
1,2-Dibromoethane (EDB)	ND	0.50	0.30		ND	3.8	2.3	10	3/30/23 2:06	CMR
1,2-Dichlorobenzene	ND	0.50	0.29		ND	3.0	1.7	10	3/30/23 2:06	CMR
1,3-Dichlorobenzene	ND	0.50	0.28		ND	3.0	1.7	10	3/30/23 2:06	CMR
1,4-Dichlorobenzene	ND	0.50	0.33		ND	3.0	2.0	10	3/30/23 2:06	CMR
Dichlorodifluoromethane (Freon 12)	0.50	0.50	0.49		2.5	2.5	2.4	10	3/30/23 2:06	CMR
1,1-Dichloroethane	ND	0.50	0.44		ND	2.0	1.8	10	3/30/23 2:06	CMR
1,2-Dichloroethane	ND	0.50	0.45		ND	2.0	1.8	10	3/30/23 2:06	CMR
1,1-Dichloroethylene	ND	0.50	0.38		ND	2.0	1.5	10	3/30/23 2:06	CMR
cis-1,2-Dichloroethylene	1.6	0.50	0.36		6.3	2.0	1.4	10	3/30/23 2:06	CMR
trans-1,2-Dichloroethylene	ND	0.50	0.39		ND	2.0	1.6	10	3/30/23 2:06	CMR
1,2-Dichloropropane	ND	0.50	0.27		ND	2.3	1.3	10	3/30/23 2:06	CMR
cis-1,3-Dichloropropene	ND	0.50	0.26		ND	2.3	1.2	10	3/30/23 2:06	CMR
trans-1,3-Dichloropropene	ND	0.50	0.26		ND	2.3	1.2	10	3/30/23 2:06	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.50	0.49		ND	3.5	3.4	10	3/30/23 2:06	CMR
1,4-Dioxane	ND	5.0	0.42		ND	18	1.5	10	3/30/23 2:06	CMR
Ethanol	15	20	8.8	J	28	38	17	10	3/30/23 2:06	CMR
Ethyl Acetate	ND	5.0	2.5		ND	18	9.1	10	3/30/23 2:06	CMR
Ethylbenzene	0.36	0.50	0.29	J	1.6	2.2	1.3	10	3/30/23 2:06	CMR
4-Ethyltoluene	0.51	0.50	0.31		2.5	2.5	1.5	10	3/30/23 2:06	CMR
Heptane	0.32	0.50	0.32	J	1.3	2.0	1.3	10	3/30/23 2:06	CMR
Hexachlorobutadiene	ND	0.50	0.41	L-03, V-05	ND	5.3	4.4	10	3/30/23 2:06	CMR
Hexane	ND	20	2.6		ND	70	9.2	10	3/30/23 2:06	CMR
2-Hexanone (MBK)	ND	0.50	0.25		ND	2.0	1.0	10	3/30/23 2:06	CMR
Isopropanol	ND	20	3.4		ND	49	8.5	10	3/30/23 2:06	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.39		ND	1.8	1.4	10	3/30/23 2:06	CMR
Methylene Chloride	ND	5.0	2.3		ND	17	8.1	10	3/30/23 2:06	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.50	0.27		ND	2.0	1.1	10	3/30/23 2:06	CMR
Naphthalene	ND	0.50	0.38	L-03, V-05	ND	2.6	2.0	10	3/30/23 2:06	CMR
Propene	ND	20	4.4		ND	34	7.6	10	3/30/23 2:06	CMR
Styrene	ND	0.50	0.26		ND	2.1	1.1	10	3/30/23 2:06	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	0.27		ND	3.4	1.9	10	3/30/23 2:06	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 17 3/13/23
Sample ID: 23C2051-18
Sample Matrix: Soil Gas
Sampled: 3/13/2023 14:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 2372
Canister Size: 3 liter
Flow Controller ID: 4340
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	180	0.50	0.38		1200	3.4	2.6	10	3/30/23 2:06	CMR
Tetrahydrofuran	2.9	5.0	0.82	J	8.5	15	2.4	10	3/30/23 2:06	CMR
Toluene	1.6	0.50	0.29		6.1	1.9	1.1	10	3/30/23 2:06	CMR
1,2,4-Trichlorobenzene	ND	0.50	0.46		ND	3.7	3.4	10	3/30/23 2:06	CMR
1,1,1-Trichloroethane	ND	0.50	0.39		ND	2.7	2.1	10	3/30/23 2:06	CMR
1,1,2-Trichloroethane	ND	0.50	0.35		ND	2.7	1.9	10	3/30/23 2:06	CMR
Trichloroethylene	1.7	0.50	0.34		9.1	2.7	1.8	10	3/30/23 2:06	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	0.59		ND	11	3.3	10	3/30/23 2:06	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.56		ND	15	4.3	10	3/30/23 2:06	CMR
1,2,4-Trimethylbenzene	1.3	0.50	0.22		6.5	2.5	1.1	10	3/30/23 2:06	CMR
1,3,5-Trimethylbenzene	2.4	0.50	0.26		12	2.5	1.3	10	3/30/23 2:06	CMR
Vinyl Acetate	ND	10	2.7		ND	35	9.5	10	3/30/23 2:06	CMR
Vinyl Chloride	ND	0.50	0.45		ND	1.3	1.2	10	3/30/23 2:06	CMR
m&p-Xylene	1.2	1.0	0.56		5.0	4.3	2.4	10	3/30/23 2:06	CMR
o-Xylene	0.50	0.50	0.26		2.2	2.2	1.1	10	3/30/23 2:06	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	106	70-130	3/30/23 2:06

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 18 3/13/23
Sample ID: 23C2051-19
Sample Matrix: Soil Gas
Sampled: 3/13/2023 14:44

Sample Description/Location:
Sub Description/Location:
Canister ID: 2727
Canister Size: 3 liter
Flow Controller ID: 4118
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	12	8.0	4.8		28	19	11	4	3/30/23 0:52	CMR
Benzene	0.59	0.20	0.15		1.9	0.64	0.48	4	3/30/23 0:52	CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	3/30/23 0:52	CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	3/30/23 0:52	CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	3/30/23 0:52	CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	3/30/23 0:52	CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	3/30/23 0:52	CMR
2-Butanone (MEK)	3.4	8.0	2.1	J	10	24	6.3	4	3/30/23 0:52	CMR
Carbon Disulfide	ND	2.0	0.18		ND	6.2	0.58	4	3/30/23 0:52	CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	3/30/23 0:52	CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	3/30/23 0:52	CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	3/30/23 0:52	CMR
Chloroform	4.0	0.20	0.19		19	0.98	0.93	4	3/30/23 0:52	CMR
Chloromethane	0.50	0.40	0.16		1.0	0.83	0.33	4	3/30/23 0:52	CMR
Cyclohexane	0.25	0.20	0.12		0.85	0.69	0.42	4	3/30/23 0:52	CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	3/30/23 0:52	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	3/30/23 0:52	CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	3/30/23 0:52	CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	3/30/23 0:52	CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	3/30/23 0:52	CMR
Dichlorodifluoromethane (Freon 12)	0.49	0.20	0.20		2.4	0.99	0.97	4	3/30/23 0:52	CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	3/30/23 0:52	CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	3/30/23 0:52	CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	3/30/23 0:52	CMR
cis-1,2-Dichloroethylene	16	0.20	0.15		63	0.79	0.58	4	3/30/23 0:52	CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	3/30/23 0:52	CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	3/30/23 0:52	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	3/30/23 0:52	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	3/30/23 0:52	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	3/30/23 0:52	CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	3/30/23 0:52	CMR
Ethanol	13	8.0	3.5		25	15	6.6	4	3/30/23 0:52	CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	3/30/23 0:52	CMR
Ethylbenzene	0.40	0.20	0.12		1.7	0.87	0.51	4	3/30/23 0:52	CMR
4-Ethyltoluene	0.13	0.20	0.12	J	0.63	0.98	0.60	4	3/30/23 0:52	CMR
Heptane	0.39	0.20	0.13		1.6	0.82	0.52	4	3/30/23 0:52	CMR
Hexachlorobutadiene	ND	0.20	0.16	L-03, V-05	ND	2.1	1.8	4	3/30/23 0:52	CMR
Hexane	ND	8.0	1.0		ND	28	3.7	4	3/30/23 0:52	CMR
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	3/30/23 0:52	CMR
Isopropanol	ND	8.0	1.4		ND	20	3.4	4	3/30/23 0:52	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	3/30/23 0:52	CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	3/30/23 0:52	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	3/30/23 0:52	CMR
Naphthalene	ND	0.20	0.15	L-03, V-05	ND	1.0	0.79	4	3/30/23 0:52	CMR
Propene	ND	8.0	1.8		ND	14	3.0	4	3/30/23 0:52	CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	3/30/23 0:52	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	3/30/23 0:52	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: SVE 18 3/13/23
Sample ID: 23C2051-19
Sample Matrix: Soil Gas
Sampled: 3/13/2023 14:44

Sample Description/Location:
Sub Description/Location:
Canister ID: 2727
Canister Size: 3 liter
Flow Controller ID: 4118
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	59	0.20	0.15		400	1.4	1.0	4	3/30/23 0:52	CMR
Tetrahydrofuran	5.1	2.0	0.33		15	5.9	0.97	4	3/30/23 0:52	CMR
Toluene	2.5	0.20	0.11		9.2	0.75	0.43	4	3/30/23 0:52	CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	3/30/23 0:52	CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	3/30/23 0:52	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	3/30/23 0:52	CMR
Trichloroethylene	4.3	0.20	0.13		23	1.1	0.72	4	3/30/23 0:52	CMR
Trichlorofluoromethane (Freon 11)	0.27	0.80	0.24	J	1.5	4.5	1.3	4	3/30/23 0:52	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	3/30/23 0:52	CMR
1,2,4-Trimethylbenzene	0.62	0.20	0.088		3.0	0.98	0.43	4	3/30/23 0:52	CMR
1,3,5-Trimethylbenzene	0.65	0.20	0.11		3.2	0.98	0.52	4	3/30/23 0:52	CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	3/30/23 0:52	CMR
Vinyl Chloride	0.77	0.20	0.18		2.0	0.51	0.46	4	3/30/23 0:52	CMR
m&p-Xylene	1.0	0.40	0.22		4.6	1.7	0.97	4	3/30/23 0:52	CMR
o-Xylene	0.40	0.20	0.10		1.7	0.87	0.44	4	3/30/23 0:52	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	105	70-130	3/30/23 0:52

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: Influent 3/13/23
Sample ID: 23C2051-20
Sample Matrix: Soil Gas
Sampled: 3/13/2023 15:33

Sample Description/Location:
Sub Description/Location:
Canister ID: 2419
Canister Size: 3 liter
Flow Controller ID: 4328
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -23
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	600	360		ND	1400	860	300	3/30/23 11:56	CMR
Benzene	ND	15	11		ND	48	36	300	3/30/23 11:56	CMR
Benzyl chloride	ND	15	13		ND	78	68	300	3/30/23 11:56	CMR
Bromodichloromethane	ND	15	10		ND	100	70	300	3/30/23 11:56	CMR
Bromoform	ND	15	10		ND	160	110	300	3/30/23 11:56	CMR
Bromomethane	ND	15	10		ND	58	39	300	3/30/23 11:56	CMR
1,3-Butadiene	ND	15	13		ND	33	28	300	3/30/23 11:56	CMR
2-Butanone (MEK)	ND	600	160		ND	1800	470	300	3/30/23 11:56	CMR
Carbon Disulfide	ND	150	14		ND	470	43	300	3/30/23 11:56	CMR
Carbon Tetrachloride	ND	15	12		ND	94	75	300	3/30/23 11:56	CMR
Chlorobenzene	ND	15	10		ND	69	46	300	3/30/23 11:56	CMR
Chloroethane	ND	15	13		ND	40	35	300	3/30/23 11:56	CMR
Chloroform	ND	15	14		ND	73	70	300	3/30/23 11:56	CMR
Chloromethane	ND	30	12		ND	62	25	300	3/30/23 11:56	CMR
Cyclohexane	ND	15	9.1		ND	52	31	300	3/30/23 11:56	CMR
Dibromochloromethane	ND	15	9.9		ND	130	85	300	3/30/23 11:56	CMR
1,2-Dibromoethane (EDB)	ND	15	9.1		ND	120	70	300	3/30/23 11:56	CMR
1,2-Dichlorobenzene	ND	15	8.6		ND	90	52	300	3/30/23 11:56	CMR
1,3-Dichlorobenzene	ND	15	8.3		ND	90	50	300	3/30/23 11:56	CMR
1,4-Dichlorobenzene	ND	15	9.8		ND	90	59	300	3/30/23 11:56	CMR
Dichlorodifluoromethane (Freon 12)	ND	15	15		ND	74	72	300	3/30/23 11:56	CMR
1,1-Dichloroethane	ND	15	13		ND	61	53	300	3/30/23 11:56	CMR
1,2-Dichloroethane	ND	15	14		ND	61	55	300	3/30/23 11:56	CMR
1,1-Dichloroethylene	ND	15	11		ND	59	45	300	3/30/23 11:56	CMR
cis-1,2-Dichloroethylene	93	15	11		370	59	43	300	3/30/23 11:56	CMR
trans-1,2-Dichloroethylene	ND	15	12		ND	59	47	300	3/30/23 11:56	CMR
1,2-Dichloropropane	ND	15	8.1		ND	69	38	300	3/30/23 11:56	CMR
cis-1,3-Dichloropropene	ND	15	7.8		ND	68	35	300	3/30/23 11:56	CMR
trans-1,3-Dichloropropene	ND	15	7.7		ND	68	35	300	3/30/23 11:56	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	15	15		ND	100	100	300	3/30/23 11:56	CMR
1,4-Dioxane	ND	150	12		ND	540	45	300	3/30/23 11:56	CMR
Ethanol	ND	600	260		ND	1100	500	300	3/30/23 11:56	CMR
Ethyl Acetate	ND	150	76		ND	540	270	300	3/30/23 11:56	CMR
Ethylbenzene	ND	15	8.8		ND	65	38	300	3/30/23 11:56	CMR
4-Ethyltoluene	ND	15	9.2		ND	74	45	300	3/30/23 11:56	CMR
Heptane	ND	15	9.6		ND	61	39	300	3/30/23 11:56	CMR
Hexachlorobutadiene	ND	15	12	L-03, V-05	ND	160	130	300	3/30/23 11:56	CMR
Hexane	ND	600	78		ND	2100	280	300	3/30/23 11:56	CMR
2-Hexanone (MBK)	ND	15	7.5		ND	61	31	300	3/30/23 11:56	CMR
Isopropanol	ND	600	100		ND	1500	250	300	3/30/23 11:56	CMR
Methyl tert-Butyl Ether (MTBE)	ND	15	12		ND	54	42	300	3/30/23 11:56	CMR
Methylene Chloride	ND	150	70		ND	520	240	300	3/30/23 11:56	CMR
4-Methyl-2-pentanone (MIBK)	ND	15	8.0		ND	61	33	300	3/30/23 11:56	CMR
Naphthalene	ND	15	11	L-03, V-05	ND	79	59	300	3/30/23 11:56	CMR
Propene	ND	600	130		ND	1000	230	300	3/30/23 11:56	CMR
Styrene	ND	15	7.9		ND	64	34	300	3/30/23 11:56	CMR
1,1,2,2-Tetrachloroethane	ND	15	8.1		ND	100	56	300	3/30/23 11:56	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: Influent 3/13/23
Sample ID: 23C2051-20
Sample Matrix: Soil Gas
Sampled: 3/13/2023 15:33

Sample Description/Location:
Sub Description/Location:
Canister ID: 2419
Canister Size: 3 liter
Flow Controller ID: 4328
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -23
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	2900	15	11		20000	100	78	300	3/30/23 11:56	CMR
Tetrahydrofuran	ND	150	25		ND	440	73	300	3/30/23 11:56	CMR
Toluene	22	15	8.6		85	57	32	300	3/30/23 11:56	CMR
1,2,4-Trichlorobenzene	ND	15	14		ND	110	100	300	3/30/23 11:56	CMR
1,1,1-Trichloroethane	ND	15	12		ND	82	64	300	3/30/23 11:56	CMR
1,1,2-Trichloroethane	ND	15	11		ND	82	58	300	3/30/23 11:56	CMR
Trichloroethylene	63	15	10		340	81	54	300	3/30/23 11:56	CMR
Trichlorofluoromethane (Freon 11)	ND	60	18		ND	340	100	300	3/30/23 11:56	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	60	17		ND	460	130	300	3/30/23 11:56	CMR
1,2,4-Trimethylbenzene	17	15	6.6		84	74	33	300	3/30/23 11:56	CMR
1,3,5-Trimethylbenzene	20	15	7.9		96	74	39	300	3/30/23 11:56	CMR
Vinyl Acetate	ND	300	81		ND	1100	280	300	3/30/23 11:56	CMR
Vinyl Chloride	ND	15	14		ND	38	35	300	3/30/23 11:56	CMR
m&p-Xylene	ND	30	17		ND	130	73	300	3/30/23 11:56	CMR
o-Xylene	ND	15	7.7		ND	65	33	300	3/30/23 11:56	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	106	70-130	3/30/23 11:56

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: Effluent 3/13/23
Sample ID: 23C2051-21
Sample Matrix: Soil Gas
Sampled: 3/13/2023 15:31

Sample Description/Location:
Sub Description/Location:
Canister ID: 2418
Canister Size: 3 liter
Flow Controller ID: 4353
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -24
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	20	12		ND	48	29	10	3/30/23 1:41	CMR
Benzene	3.3	0.50	0.38		11	1.6	1.2	10	3/30/23 1:41	CMR
Benzyl chloride	ND	0.50	0.44		ND	2.6	2.3	10	3/30/23 1:41	CMR
Bromodichloromethane	ND	0.50	0.35		ND	3.4	2.3	10	3/30/23 1:41	CMR
Bromoform	ND	0.50	0.34		ND	5.2	3.5	10	3/30/23 1:41	CMR
Bromomethane	ND	0.50	0.33		ND	1.9	1.3	10	3/30/23 1:41	CMR
1,3-Butadiene	ND	0.50	0.42		ND	1.1	0.93	10	3/30/23 1:41	CMR
2-Butanone (MEK)	9.9	20	5.3	J	29	59	16	10	3/30/23 1:41	CMR
Carbon Disulfide	ND	5.0	0.46		ND	16	1.4	10	3/30/23 1:41	CMR
Carbon Tetrachloride	ND	0.50	0.40		ND	3.1	2.5	10	3/30/23 1:41	CMR
Chlorobenzene	ND	0.50	0.33		ND	2.3	1.5	10	3/30/23 1:41	CMR
Chloroethane	ND	0.50	0.44		ND	1.3	1.2	10	3/30/23 1:41	CMR
Chloroform	0.53	0.50	0.48		2.6	2.4	2.3	10	3/30/23 1:41	CMR
Chloromethane	0.79	1.0	0.40	J	1.6	2.1	0.82	10	3/30/23 1:41	CMR
Cyclohexane	2.1	0.50	0.30		7.3	1.7	1.0	10	3/30/23 1:41	CMR
Dibromochloromethane	ND	0.50	0.33		ND	4.3	2.8	10	3/30/23 1:41	CMR
1,2-Dibromoethane (EDB)	ND	0.50	0.30		ND	3.8	2.3	10	3/30/23 1:41	CMR
1,2-Dichlorobenzene	ND	0.50	0.29		ND	3.0	1.7	10	3/30/23 1:41	CMR
1,3-Dichlorobenzene	ND	0.50	0.28		ND	3.0	1.7	10	3/30/23 1:41	CMR
1,4-Dichlorobenzene	ND	0.50	0.33		ND	3.0	2.0	10	3/30/23 1:41	CMR
Dichlorodifluoromethane (Freon 12)	0.53	0.50	0.49		2.6	2.5	2.4	10	3/30/23 1:41	CMR
1,1-Dichloroethane	ND	0.50	0.44		ND	2.0	1.8	10	3/30/23 1:41	CMR
1,2-Dichloroethane	ND	0.50	0.45		ND	2.0	1.8	10	3/30/23 1:41	CMR
1,1-Dichloroethylene	ND	0.50	0.38		ND	2.0	1.5	10	3/30/23 1:41	CMR
cis-1,2-Dichloroethylene	3.0	0.50	0.36		12	2.0	1.4	10	3/30/23 1:41	CMR
trans-1,2-Dichloroethylene	ND	0.50	0.39		ND	2.0	1.6	10	3/30/23 1:41	CMR
1,2-Dichloropropane	ND	0.50	0.27		ND	2.3	1.3	10	3/30/23 1:41	CMR
cis-1,3-Dichloropropene	ND	0.50	0.26		ND	2.3	1.2	10	3/30/23 1:41	CMR
trans-1,3-Dichloropropene	ND	0.50	0.26		ND	2.3	1.2	10	3/30/23 1:41	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.50	0.49		ND	3.5	3.4	10	3/30/23 1:41	CMR
1,4-Dioxane	ND	5.0	0.42		ND	18	1.5	10	3/30/23 1:41	CMR
Ethanol	69	20	8.8		130	38	17	10	3/30/23 1:41	CMR
Ethyl Acetate	9.2	5.0	2.5		33	18	9.1	10	3/30/23 1:41	CMR
Ethylbenzene	2.3	0.50	0.29		9.9	2.2	1.3	10	3/30/23 1:41	CMR
4-Ethyltoluene	0.40	0.50	0.31	J	2.0	2.5	1.5	10	3/30/23 1:41	CMR
Heptane	2.9	0.50	0.32		12	2.0	1.3	10	3/30/23 1:41	CMR
Hexachlorobutadiene	ND	0.50	0.41	L-03, V-05	ND	5.3	4.4	10	3/30/23 1:41	CMR
Hexane	9.4	20	2.6	J	33	70	9.2	10	3/30/23 1:41	CMR
2-Hexanone (MBK)	ND	0.50	0.25		ND	2.0	1.0	10	3/30/23 1:41	CMR
Isopropanol	3.8	20	3.4	J	9.4	49	8.5	10	3/30/23 1:41	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.39		ND	1.8	1.4	10	3/30/23 1:41	CMR
Methylene Chloride	ND	5.0	2.3		ND	17	8.1	10	3/30/23 1:41	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.50	0.27		ND	2.0	1.1	10	3/30/23 1:41	CMR
Naphthalene	ND	0.50	0.38	L-03, V-05	ND	2.6	2.0	10	3/30/23 1:41	CMR
Propene	ND	20	4.4		ND	34	7.6	10	3/30/23 1:41	CMR
Styrene	ND	0.50	0.26		ND	2.1	1.1	10	3/30/23 1:41	CMR
1,1,2,2-Tetrachloroethane	ND	0.50	0.27		ND	3.4	1.9	10	3/30/23 1:41	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: Effluent 3/13/23
Sample ID: 23C2051-21
Sample Matrix: Soil Gas
Sampled: 3/13/2023 15:31

Sample Description/Location:
Sub Description/Location:
Canister ID: 2418
Canister Size: 3 liter
Flow Controller ID: 4353
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -24
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	150	0.50	0.38		990	3.4	2.6	10	3/30/23 1:41	CMR
Tetrahydrofuran	1.4	5.0	0.82	J	4.0	15	2.4	10	3/30/23 1:41	CMR
Toluene	14	0.50	0.29		54	1.9	1.1	10	3/30/23 1:41	CMR
1,2,4-Trichlorobenzene	ND	0.50	0.46		ND	3.7	3.4	10	3/30/23 1:41	CMR
1,1,1-Trichloroethane	ND	0.50	0.39		ND	2.7	2.1	10	3/30/23 1:41	CMR
1,1,2-Trichloroethane	ND	0.50	0.35		ND	2.7	1.9	10	3/30/23 1:41	CMR
Trichloroethylene	1.2	0.50	0.34		6.4	2.7	1.8	10	3/30/23 1:41	CMR
Trichlorofluoromethane (Freon 11)	ND	2.0	0.59		ND	11	3.3	10	3/30/23 1:41	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.56		ND	15	4.3	10	3/30/23 1:41	CMR
1,2,4-Trimethylbenzene	1.6	0.50	0.22		7.9	2.5	1.1	10	3/30/23 1:41	CMR
1,3,5-Trimethylbenzene	1.0	0.50	0.26		5.0	2.5	1.3	10	3/30/23 1:41	CMR
Vinyl Acetate	ND	10	2.7		ND	35	9.5	10	3/30/23 1:41	CMR
Vinyl Chloride	ND	0.50	0.45		ND	1.3	1.2	10	3/30/23 1:41	CMR
m&p-Xylene	6.5	1.0	0.56		28	4.3	2.4	10	3/30/23 1:41	CMR
o-Xylene	2.5	0.50	0.26		11	2.2	1.1	10	3/30/23 1:41	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	105	70-130	3/30/23 1:41

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: Effluent Duplicate 3/13/23
Sample ID: 23C2051-22
Sample Matrix: Soil Gas
Sampled: 3/13/2023 15:34

Sample Description/Location:
Sub Description/Location:
Canister ID: 2414
Canister Size: 3 liter
Flow Controller ID: 4354
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	8.0	4.8		ND	19	11	4	3/30/23 1:16	CMR
Benzene	1.3	0.20	0.15		4.1	0.64	0.48	4	3/30/23 1:16	CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	3/30/23 1:16	CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	3/30/23 1:16	CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	3/30/23 1:16	CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	3/30/23 1:16	CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	3/30/23 1:16	CMR
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	3/30/23 1:16	CMR
Carbon Disulfide	ND	2.0	0.18		ND	6.2	0.58	4	3/30/23 1:16	CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	3/30/23 1:16	CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	3/30/23 1:16	CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	3/30/23 1:16	CMR
Chloroform	ND	0.20	0.19		ND	0.98	0.93	4	3/30/23 1:16	CMR
Chloromethane	0.82	0.40	0.16		1.7	0.83	0.33	4	3/30/23 1:16	CMR
Cyclohexane	0.24	0.20	0.12		0.81	0.69	0.42	4	3/30/23 1:16	CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	3/30/23 1:16	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	3/30/23 1:16	CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	3/30/23 1:16	CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	3/30/23 1:16	CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	3/30/23 1:16	CMR
Dichlorodifluoromethane (Freon 12)	0.49	0.20	0.20		2.4	0.99	0.97	4	3/30/23 1:16	CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	3/30/23 1:16	CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	3/30/23 1:16	CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	3/30/23 1:16	CMR
cis-1,2-Dichloroethylene	0.75	0.20	0.15		3.0	0.79	0.58	4	3/30/23 1:16	CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	3/30/23 1:16	CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	3/30/23 1:16	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	3/30/23 1:16	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	3/30/23 1:16	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	3/30/23 1:16	CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	3/30/23 1:16	CMR
Ethanol	18	8.0	3.5		35	15	6.6	4	3/30/23 1:16	CMR
Ethyl Acetate	1.1	2.0	1.0	J	4.1	7.2	3.6	4	3/30/23 1:16	CMR
Ethylbenzene	0.58	0.20	0.12		2.5	0.87	0.51	4	3/30/23 1:16	CMR
4-Ethyltoluene	0.35	0.20	0.12		1.7	0.98	0.60	4	3/30/23 1:16	CMR
Heptane	0.41	0.20	0.13		1.7	0.82	0.52	4	3/30/23 1:16	CMR
Hexachlorobutadiene	ND	0.20	0.16	L-03, V-05	ND	2.1	1.8	4	3/30/23 1:16	CMR
Hexane	ND	8.0	1.0		ND	28	3.7	4	3/30/23 1:16	CMR
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	3/30/23 1:16	CMR
Isopropanol	1.5	8.0	1.4	J	3.6	20	3.4	4	3/30/23 1:16	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	3/30/23 1:16	CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	3/30/23 1:16	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	3/30/23 1:16	CMR
Naphthalene	ND	0.20	0.15	L-03, V-05	ND	1.0	0.79	4	3/30/23 1:16	CMR
Propene	ND	8.0	1.8		ND	14	3.0	4	3/30/23 1:16	CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	3/30/23 1:16	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	3/30/23 1:16	CMR

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ANALYTICAL RESULTS

Project Location: 935 E. Main St, Rochester, NY
Date Received: 3/16/2023
Field Sample #: Effluent Duplicate 3/13/23
Sample ID: 23C2051-22
Sample Matrix: Soil Gas
Sampled: 3/13/2023 15:34

Sample Description/Location:
Sub Description/Location:
Canister ID: 2414
Canister Size: 3 liter
Flow Controller ID: 4354
Sample Type: 30 min

Work Order: 23C2051
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	78	0.20	0.15		530	1.4	1.0	4	3/30/23 1:16	CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	3/30/23 1:16	CMR
Toluene	2.9	0.20	0.11		11	0.75	0.43	4	3/30/23 1:16	CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	3/30/23 1:16	CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	3/30/23 1:16	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	3/30/23 1:16	CMR
Trichloroethylene	0.75	0.20	0.13		4.0	1.1	0.72	4	3/30/23 1:16	CMR
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	3/30/23 1:16	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	3/30/23 1:16	CMR
1,2,4-Trimethylbenzene	1.2	0.20	0.088		6.0	0.98	0.43	4	3/30/23 1:16	CMR
1,3,5-Trimethylbenzene	1.5	0.20	0.11		7.4	0.98	0.52	4	3/30/23 1:16	CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	3/30/23 1:16	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	3/30/23 1:16	CMR
m&p-Xylene	1.7	0.40	0.22		7.5	1.7	0.97	4	3/30/23 1:16	CMR
o-Xylene	0.68	0.20	0.10		3.0	0.87	0.44	4	3/30/23 1:16	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	106	70-130	3/30/23 1:16

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
23C2051-01 [SVE 1 3/13/23]	B335568	1.5	1	N/A	1000	200	150	03/28/23
23C2051-02 [SVE 2 3/13/23]	B335568	1.5	1	N/A	1000	200	10	03/28/23
23C2051-03 [SVE 3 3/13/23]	B335568	1.5	1	N/A	1000	200	150	03/28/23
23C2051-04 [SVE 4 3/13/23]	B335568	1.5	1	N/A	1000	200	150	03/28/23
23C2051-06 [SVE 6 3/13/23]	B335568	1.5	1	N/A	1000	200	30	03/28/23
23C2051-07 [SVE 7 3/13/23]	B335568	1.5	1	N/A	1000	200	10	03/28/23
23C2051-10 [SVE 10 3/13/23]	B335568	1.5	1	N/A	1000	200	10	03/28/23
23C2051-12 [SVE 12 3/13/23]	B335568	1.5	1	N/A	1000	200	75	03/28/23
23C2051-13 [SVE 13 3/13/23]	B335568	1.5	1	N/A	1000	200	10	03/28/23
23C2051-14 [SVE 14 3/13/23]	B335568	1.5	1	N/A	1000	200	10	03/28/23
23C2051-15 [SVE Duplicate 14 3/13/23]	B335568	1.5	1	N/A	1000	200	150	03/28/23

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
23C2051-16 [SVE 15 3/13/23]	B335795	1.5	1	N/A	1000	200	10	03/29/23
23C2051-17 [SVE 16 3/13/23]	B335795	1.5	1	N/A	1000	200	10	03/29/23
23C2051-18 [SVE 17 3/13/23]	B335795	1.5	1	N/A	1000	200	30	03/29/23
23C2051-19 [SVE 18 3/13/23]	B335795	1.5	1	N/A	1000	200	75	03/29/23
23C2051-21 [Effluent 3/13/23]	B335795	1.5	1	N/A	1000	200	30	03/29/23
23C2051-22 [Effluent Duplicate 3/13/23]	B335795	1.5	1	N/A	1000	200	75	03/29/23

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
23C2051-05 [SVE 5 3/13/23]	B335823	1.5	200	5	1000	200	100	03/30/23
23C2051-08 [SVE 8 3/13/23]	B335823	1.5	200	5	1000	200	200	03/30/23
23C2051-09 [SVE 9 3/13/23]	B335823	1.5	200	5	1000	200	200	03/30/23
23C2051-11 [SVE 11 3/13/23]	B335823	1.5	200	5	1000	200	200	03/30/23
23C2051-20 [Influent 3/13/23]	B335823	1.5	200	5	1000	200	200	03/30/23

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B335568 - TO-15 Prep											
Blank (B335568-BLK1)					Prepared & Analyzed: 03/28/23						
Acetone	ND	0.80									
Benzene	ND	0.020									
Benzyl chloride	ND	0.020									
Bromodichloromethane	ND	0.020									
Bromoform	ND	0.020									
Bromomethane	ND	0.020									
1,3-Butadiene	ND	0.020									
2-Butanone (MEK)	ND	0.80									
Carbon Disulfide	ND	0.20									
Carbon Tetrachloride	ND	0.020									
Chlorobenzene	ND	0.020									
Chloroethane	ND	0.020									
Chloroform	ND	0.020									
Chloromethane	ND	0.040									
Cyclohexane	ND	0.020									
Dibromochloromethane	ND	0.020									
1,2-Dibromoethane (EDB)	ND	0.020									
1,2-Dichlorobenzene	ND	0.020									
1,3-Dichlorobenzene	ND	0.020									
1,4-Dichlorobenzene	ND	0.020									
Dichlorodifluoromethane (Freon 12)	ND	0.020									
1,1-Dichloroethane	ND	0.020									
1,2-Dichloroethane	ND	0.020									
1,1-Dichloroethylene	ND	0.020									
cis-1,2-Dichloroethylene	ND	0.020									
trans-1,2-Dichloroethylene	ND	0.020									
1,2-Dichloropropane	ND	0.020									
cis-1,3-Dichloropropene	ND	0.020									
trans-1,3-Dichloropropene	ND	0.020									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.020									
1,4-Dioxane	ND	0.20									
Ethanol	ND	0.80									
Ethyl Acetate	ND	0.20									
Ethylbenzene	ND	0.020									
4-Ethyltoluene	ND	0.020									
Heptane	ND	0.020									
Hexachlorobutadiene	ND	0.020									L-03, V-05
Hexane	ND	0.80									
2-Hexanone (MBK)	ND	0.020									
Isopropanol	ND	0.80									
Methyl tert-Butyl Ether (MTBE)	ND	0.020									
Methylene Chloride	ND	0.20									
4-Methyl-2-pentanone (MIBK)	ND	0.020									
Naphthalene	ND	0.020									L-03, V-05
Propene	ND	0.80									
Styrene	ND	0.020									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B335568 - TO-15 Prep											
Blank (B335568-BLK1)					Prepared & Analyzed: 03/28/23						
1,1,2,2-Tetrachloroethane	ND	0.020									
Tetrachloroethylene	ND	0.020									
Tetrahydrofuran	ND	0.20									
Toluene	ND	0.020									
1,2,4-Trichlorobenzene	ND	0.020									L-03
1,1,1-Trichloroethane	ND	0.020									
1,1,2-Trichloroethane	ND	0.020									
Trichloroethylene	ND	0.020									
Trichlorofluoromethane (Freon 11)	ND	0.080									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.080									
1,2,4-Trimethylbenzene	ND	0.020									
1,3,5-Trimethylbenzene	ND	0.020									
Vinyl Acetate	ND	0.40									
Vinyl Chloride	ND	0.020									
m&p-Xylene	ND	0.040									
o-Xylene	ND	0.020									
Surrogate: 4-Bromofluorobenzene (1)	*8.33*				*8.00*		*104*	*70-130*			
LCS (B335568-BS1)					Prepared & Analyzed: 03/28/23						
Acetone	5.32				5.00		106	70-130			
Benzene	5.08				5.00		102	70-130			
Benzyl chloride	5.04				5.00		101	70-130			
Bromodichloromethane	5.27				5.00		105	70-130			
Bromoform	5.56				5.00		111	70-130			
Bromomethane	5.19				5.00		104	70-130			
1,3-Butadiene	5.06				5.00		101	70-130			
2-Butanone (MEK)	4.23				5.00		84.7	70-130			
Carbon Disulfide	4.97				5.00		99.4	70-130			
Carbon Tetrachloride	4.66				5.00		93.1	70-130			
Chlorobenzene	4.81				5.00		96.3	70-130			
Chloroethane	5.34				5.00		107	70-130			
Chloroform	4.92				5.00		98.3	70-130			
Chloromethane	5.11				5.00		102	70-130			
Cyclohexane	5.23				5.00		105	70-130			
Dibromochloromethane	5.18				5.00		104	70-130			
1,2-Dibromoethane (EDB)	4.99				5.00		99.8	70-130			
1,2-Dichlorobenzene	4.72				5.00		94.4	70-130			
1,3-Dichlorobenzene	4.94				5.00		98.9	70-130			
1,4-Dichlorobenzene	5.33				5.00		107	70-130			
Dichlorodifluoromethane (Freon 12)	4.98				5.00		99.6	70-130			
1,1-Dichloroethane	5.29				5.00		106	70-130			
1,2-Dichloroethane	4.93				5.00		98.7	70-130			
1,1-Dichloroethylene	4.93				5.00		98.5	70-130			
cis-1,2-Dichloroethylene	4.93				5.00		98.6	70-130			
trans-1,2-Dichloroethylene	5.01				5.00		100	70-130			
1,2-Dichloropropane	5.39				5.00		108	70-130			

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B335568 - TO-15 Prep												
LCS (B335568-BS1)					Prepared & Analyzed: 03/28/23							
cis-1,3-Dichloropropene	5.20				5.00		104		70-130			
trans-1,3-Dichloropropene	5.39				5.00		108		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.90				5.00		98.0		70-130			
1,4-Dioxane	5.22				5.00		104		70-130			
Ethanol	4.69				5.00		93.7		70-130			
Ethyl Acetate	4.44				5.00		88.8		70-130			
Ethylbenzene	4.86				5.00		97.2		70-130			
4-Ethyltoluene	4.95				5.00		98.9		70-130			
Heptane	5.22				5.00		104		70-130			
Hexachlorobutadiene	2.71				5.00		**54.2**	*	70-130			L-03, V-05
Hexane	4.80				5.00		96.0		70-130			
2-Hexanone (MBK)	4.38				5.00		87.5		70-130			
Isopropanol	4.23				5.00		84.6		70-130			
Methyl tert-Butyl Ether (MTBE)	4.70				5.00		94.0		70-130			
Methylene Chloride	4.62				5.00		92.3		70-130			
4-Methyl-2-pentanone (MIBK)	5.24				5.00		105		70-130			
Naphthalene	2.69				5.00		**53.8**	*	70-130			L-03, V-05
Propene	5.09				5.00		102		70-130			
Styrene	4.97				5.00		99.4		70-130			
1,1,2,2-Tetrachloroethane	4.98				5.00		99.6		70-130			
Tetrachloroethylene	5.04				5.00		101		70-130			
Tetrahydrofuran	4.41				5.00		88.1		70-130			
Toluene	4.90				5.00		97.9		70-130			
1,2,4-Trichlorobenzene	3.35				5.00		**66.9**	*	70-130			L-03
1,1,1-Trichloroethane	4.72				5.00		94.4		70-130			
1,1,2-Trichloroethane	5.02				5.00		100		70-130			
Trichloroethylene	4.97				5.00		99.5		70-130			
Trichlorofluoromethane (Freon 11)	4.87				5.00		97.3		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.62				5.00		92.5		70-130			
1,2,4-Trimethylbenzene	4.81				5.00		96.3		70-130			
1,3,5-Trimethylbenzene	4.93				5.00		98.7		70-130			
Vinyl Acetate	4.71				5.00		94.1		70-130			
Vinyl Chloride	5.28				5.00		106		70-130			
m&p-Xylene	9.97				10.0		99.7		70-130			
o-Xylene	4.92				5.00		98.5		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.51*				*8.00*		*106*		*70-130*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B335568 - TO-15 Prep											
Duplicate (B335568-DUP1)			**Source: 23C2051-06**		Prepared: 03/28/23 Analyzed: 03/29/23						
Acetone	ND	20	ND	48		ND				25	
Benzene	0.95	0.50	3.0	1.6		0.90			5.41	25	
Benzyl chloride	ND	0.50	ND	2.6		ND				25	
Bromodichloromethane	ND	0.50	ND	3.4		ND				25	
Bromoform	ND	0.50	ND	5.2		ND				25	
Bromomethane	ND	0.50	ND	1.9		ND				25	
1,3-Butadiene	ND	0.50	ND	1.1		ND				25	
2-Butanone (MEK)	ND	20	ND	59		ND				25	
Carbon Disulfide	ND	5.0	ND	16		ND				25	
Carbon Tetrachloride	ND	0.50	ND	3.1		ND				25	
Chlorobenzene	ND	0.50	ND	2.3		ND				25	
Chloroethane	ND	0.50	ND	1.3		ND				25	
Chloroform	0.67	0.50	3.3	2.4		0.63			6.15	25	
Chloromethane	0.85	1.0	1.8	2.1		0.76			11.2	25	J
Cyclohexane	0.53	0.50	1.8	1.7		0.52			1.90	25	
Dibromochloromethane	ND	0.50	ND	4.3		ND				25	
1,2-Dibromoethane (EDB)	ND	0.50	ND	3.8		ND				25	
1,2-Dichlorobenzene	ND	0.50	ND	3.0		ND				25	
1,3-Dichlorobenzene	ND	0.50	ND	3.0		ND				25	
1,4-Dichlorobenzene	ND	0.50	ND	3.0		ND				25	
Dichlorodifluoromethane (Freon 12)	0.52	0.50	2.6	2.5		0.50			3.92	25	
1,1-Dichloroethane	ND	0.50	ND	2.0		ND				25	
1,2-Dichloroethane	ND	0.50	ND	2.0		ND				25	
1,1-Dichloroethylene	ND	0.50	ND	2.0		ND				25	
cis-1,2-Dichloroethylene	4.3	0.50	17	2.0		4.2			1.88	25	
trans-1,2-Dichloroethylene	ND	0.50	ND	2.0		ND				25	
1,2-Dichloropropane	ND	0.50	ND	2.3		ND				25	
cis-1,3-Dichloropropene	ND	0.50	ND	2.3		ND				25	
trans-1,3-Dichloropropene	ND	0.50	ND	2.3		ND				25	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.50	ND	3.5		ND				25	
1,4-Dioxane	ND	5.0	ND	18		ND				25	
Ethanol	19	20	36	38		19			3.59	25	J
Ethyl Acetate	ND	5.0	ND	18		ND				25	
Ethylbenzene	0.74	0.50	3.2	2.2		0.72			2.74	25	
4-Ethyltoluene	0.37	0.50	1.8	2.5		0.38			2.67	25	J
Heptane	0.81	0.50	3.3	2.0		0.86			5.99	25	
Hexachlorobutadiene	ND	0.50	ND	5.3		ND				25	L-03, V-05
Hexane	ND	20	ND	70		ND				25	
2-Hexanone (MBK)	ND	0.50	ND	2.0		ND				25	
Isopropanol	ND	20	ND	49		ND				25	
Methyl tert-Butyl Ether (MTBE)	ND	0.50	ND	1.8		ND				25	
Methylene Chloride	ND	5.0	ND	17		ND				25	
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND	2.0		ND				25	
Naphthalene	ND	0.50	ND	2.6		ND				25	V-05, L-03
Propene	ND	20	ND	34		ND				25	
Styrene	ND	0.50	ND	2.1		ND				25	

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B335568 - TO-15 Prep											
Duplicate (B335568-DUP1)			**Source: 23C2051-06**		Prepared: 03/28/23 Analyzed: 03/29/23						
1,1,2,2-Tetrachloroethane	ND	0.50	ND	3.4		ND				25	
Tetrachloroethylene	130	0.50	860	3.4		120			1.86	25	
Tetrahydrofuran	5.8	5.0	17	15		5.4			7.08	25	
Toluene	4.1	0.50	15	1.9		3.9			4.51	25	
1,2,4-Trichlorobenzene	ND	0.50	ND	3.7		ND				25	L-03
1,1,1-Trichloroethane	ND	0.50	ND	2.7		ND				25	
1,1,2-Trichloroethane	ND	0.50	ND	2.7		ND				25	
Trichloroethylene	7.6	0.50	41	2.7		7.6			0.527	25	
Trichlorofluoromethane (Freon 11)	ND	2.0	ND	11		ND				25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	ND	15		ND				25	
1,2,4-Trimethylbenzene	2.4	0.50	12	2.5		2.3			1.72	25	
1,3,5-Trimethylbenzene	1.8	0.50	8.8	2.5		1.8			0.00	25	
Vinyl Acetate	ND	10	ND	35		ND				25	
Vinyl Chloride	ND	0.50	ND	1.3		ND				25	
m&p-Xylene	2.3	1.0	9.9	4.3		2.3			1.32	25	
o-Xylene	0.99	0.50	4.3	2.2		1.0			2.99	25	
Surrogate: 4-Bromofluorobenzene (1)	*8.43*				*8.00*		*105*	*70-130*			
Batch B335795 - TO-15 Prep											
Blank (B335795-BLK1)					Prepared & Analyzed: 03/29/23						
Acetone	ND	0.80									
Benzene	ND	0.020									
Benzyl chloride	ND	0.020									
Bromodichloromethane	ND	0.020									
Bromoform	ND	0.020									
Bromomethane	ND	0.020									
1,3-Butadiene	ND	0.020									
2-Butanone (MEK)	ND	0.80									
Carbon Disulfide	ND	0.20									
Carbon Tetrachloride	ND	0.020									
Chlorobenzene	ND	0.020									
Chloroethane	ND	0.020									
Chloroform	ND	0.020									
Chloromethane	ND	0.040									
Cyclohexane	ND	0.020									
Dibromochloromethane	ND	0.020									
1,2-Dibromoethane (EDB)	ND	0.020									
1,2-Dichlorobenzene	ND	0.020									
1,3-Dichlorobenzene	ND	0.020									
1,4-Dichlorobenzene	ND	0.020									
Dichlorodifluoromethane (Freon 12)	ND	0.020									
1,1-Dichloroethane	ND	0.020									
1,2-Dichloroethane	ND	0.020									
1,1-Dichloroethylene	ND	0.020									
cis-1,2-Dichloroethylene	ND	0.020									

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B335795 - TO-15 Prep											
Blank (B335795-BLK1)					Prepared & Analyzed: 03/29/23						
trans-1,2-Dichloroethylene	ND	0.020									
1,2-Dichloropropane	ND	0.020									
cis-1,3-Dichloropropene	ND	0.020									
trans-1,3-Dichloropropene	ND	0.020									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.020									
1,4-Dioxane	ND	0.20									
Ethanol	ND	0.80									
Ethyl Acetate	ND	0.20									
Ethylbenzene	ND	0.020									
4-Ethyltoluene	ND	0.020									
Heptane	ND	0.020									
Hexachlorobutadiene	ND	0.020									L-03, V-05
Hexane	ND	0.80									
2-Hexanone (MBK)	ND	0.020									
Isopropanol	ND	0.80									
Methyl tert-Butyl Ether (MTBE)	ND	0.020									
Methylene Chloride	ND	0.20									
4-Methyl-2-pentanone (MIBK)	ND	0.020									
Naphthalene	ND	0.020									L-03, V-05
Propene	ND	0.80									
Styrene	ND	0.020									
1,1,2,2-Tetrachloroethane	ND	0.020									
Tetrachloroethylene	ND	0.020									
Tetrahydrofuran	ND	0.20									
Toluene	ND	0.020									
1,2,4-Trichlorobenzene	ND	0.020									
1,1,1-Trichloroethane	ND	0.020									
1,1,2-Trichloroethane	ND	0.020									
Trichloroethylene	ND	0.020									
Trichlorofluoromethane (Freon 11)	ND	0.080									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.080									
1,2,4-Trimethylbenzene	ND	0.020									
1,3,5-Trimethylbenzene	ND	0.020									
Vinyl Acetate	ND	0.40									
Vinyl Chloride	ND	0.020									
m&p-Xylene	ND	0.040									
o-Xylene	ND	0.020									
Surrogate: 4-Bromofluorobenzene (1)	*8.39*				*8.00*		*105*	*70-130*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B335795 - TO-15 Prep												
LCS (B335795-BS1)					Prepared & Analyzed: 03/29/23							
Acetone	5.41				5.00		108		70-130			
Benzene	5.51				5.00		110		70-130			
Benzyl chloride	5.52				5.00		110		70-130			
Bromodichloromethane	5.66				5.00		113		70-130			
Bromoform	5.52				5.00		110		70-130			
Bromomethane	5.60				5.00		112		70-130			
1,3-Butadiene	5.43				5.00		109		70-130			
2-Butanone (MEK)	4.52				5.00		90.3		70-130			
Carbon Disulfide	5.44				5.00		109		70-130			
Carbon Tetrachloride	4.40				5.00		88.1		70-130			
Chlorobenzene	5.21				5.00		104		70-130			
Chloroethane	5.76				5.00		115		70-130			
Chloroform	5.37				5.00		107		70-130			
Chloromethane	5.48				5.00		110		70-130			
Cyclohexane	5.71				5.00		114		70-130			
Dibromochloromethane	5.36				5.00		107		70-130			
1,2-Dibromoethane (EDB)	5.37				5.00		107		70-130			
1,2-Dichlorobenzene	5.11				5.00		102		70-130			
1,3-Dichlorobenzene	5.34				5.00		107		70-130			
1,4-Dichlorobenzene	5.70				5.00		114		70-130			
Dichlorodifluoromethane (Freon 12)	5.30				5.00		106		70-130			
1,1-Dichloroethane	5.64				5.00		113		70-130			
1,2-Dichloroethane	5.31				5.00		106		70-130			
1,1-Dichloroethylene	5.44				5.00		109		70-130			
cis-1,2-Dichloroethylene	5.25				5.00		105		70-130			
trans-1,2-Dichloroethylene	5.41				5.00		108		70-130			
1,2-Dichloropropane	5.87				5.00		117		70-130			
cis-1,3-Dichloropropene	5.68				5.00		114		70-130			
trans-1,3-Dichloropropene	5.83				5.00		117		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.31				5.00		106		70-130			
1,4-Dioxane	5.68				5.00		114		70-130			
Ethanol	4.96				5.00		99.3		70-130			
Ethyl Acetate	4.67				5.00		93.4		70-130			
Ethylbenzene	5.24				5.00		105		70-130			
4-Ethyltoluene	5.34				5.00		107		70-130			
Heptane	5.65				5.00		113		70-130			
Hexachlorobutadiene	2.79				5.00		**55.8**	*	70-130			L-03, V-05
Hexane	5.11				5.00		102		70-130			
2-Hexanone (MBK)	4.72				5.00		94.4		70-130			
Isopropanol	4.54				5.00		90.7		70-130			
Methyl tert-Butyl Ether (MTBE)	4.95				5.00		99.1		70-130			
Methylene Chloride	5.03				5.00		101		70-130			
4-Methyl-2-pentanone (MIBK)	5.65				5.00		113		70-130			
Naphthalene	3.15				5.00		**62.9**	*	70-130			L-03, V-05
Propene	5.28				5.00		106		70-130			
Styrene	5.38				5.00		108		70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B335795 - TO-15 Prep											
LCS (B335795-BS1)					Prepared & Analyzed: 03/29/23						
1,1,2,2-Tetrachloroethane	5.28				5.00		106	70-130			
Tetrachloroethylene	5.34				5.00		107	70-130			
Tetrahydrofuran	4.63				5.00		92.7	70-130			
Toluene	5.26				5.00		105	70-130			
1,2,4-Trichlorobenzene	3.54				5.00		70.9	70-130			
1,1,1-Trichloroethane	5.12				5.00		102	70-130			
1,1,2-Trichloroethane	5.41				5.00		108	70-130			
Trichloroethylene	5.54				5.00		111	70-130			
Trichlorofluoromethane (Freon 11)	5.25				5.00		105	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.11				5.00		102	70-130			
1,2,4-Trimethylbenzene	5.20				5.00		104	70-130			
1,3,5-Trimethylbenzene	5.29				5.00		106	70-130			
Vinyl Acetate	4.56				5.00		91.1	70-130			
Vinyl Chloride	5.75				5.00		115	70-130			
m&p-Xylene	10.7				10.0		107	70-130			
o-Xylene	5.35				5.00		107	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.62*				*8.00*		*108*	*70-130*			
Batch B335823 - TO-15 Prep											
Blank (B335823-BLK1)					Prepared & Analyzed: 03/30/23						
Acetone	ND	0.80									
Benzene	ND	0.020									
Benzyl chloride	ND	0.020									
Bromodichloromethane	ND	0.020									
Bromoform	ND	0.020									
Bromomethane	ND	0.020									
1,3-Butadiene	ND	0.020									
2-Butanone (MEK)	ND	0.80									
Carbon Disulfide	ND	0.20									
Carbon Tetrachloride	ND	0.020									
Chlorobenzene	ND	0.020									
Chloroethane	ND	0.020									
Chloroform	ND	0.020									
Chloromethane	ND	0.040									
Cyclohexane	ND	0.020									
Dibromochloromethane	ND	0.020									
1,2-Dibromoethane (EDB)	ND	0.020									
1,2-Dichlorobenzene	ND	0.020									
1,3-Dichlorobenzene	ND	0.020									
1,4-Dichlorobenzene	ND	0.020									
Dichlorodifluoromethane (Freon 12)	ND	0.020									
1,1-Dichloroethane	ND	0.020									
1,2-Dichloroethane	ND	0.020									
1,1-Dichloroethylene	ND	0.020									
cis-1,2-Dichloroethylene	ND	0.020									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B335823 - TO-15 Prep											
Blank (B335823-BLK1)					Prepared & Analyzed: 03/30/23						
trans-1,2-Dichloroethylene	ND	0.020									
1,2-Dichloropropane	ND	0.020									
cis-1,3-Dichloropropene	ND	0.020									
trans-1,3-Dichloropropene	ND	0.020									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.020									
1,4-Dioxane	ND	0.20									
Ethanol	ND	0.80									
Ethyl Acetate	ND	0.20									
Ethylbenzene	ND	0.020									
4-Ethyltoluene	ND	0.020									
Heptane	ND	0.020									
Hexachlorobutadiene	ND	0.020									L-03, V-05
Hexane	ND	0.80									
2-Hexanone (MBK)	ND	0.020									
Isopropanol	ND	0.80									
Methyl tert-Butyl Ether (MTBE)	ND	0.020									
Methylene Chloride	ND	0.20									
4-Methyl-2-pentanone (MIBK)	ND	0.020									
Naphthalene	ND	0.020									L-03, V-05
Propene	ND	0.80									
Styrene	ND	0.020									
1,1,2,2-Tetrachloroethane	ND	0.020									
Tetrachloroethylene	ND	0.020									
Tetrahydrofuran	ND	0.20									
Toluene	ND	0.020									
1,2,4-Trichlorobenzene	ND	0.020									
1,1,1-Trichloroethane	ND	0.020									
1,1,2-Trichloroethane	ND	0.020									
Trichloroethylene	ND	0.020									
Trichlorofluoromethane (Freon 11)	ND	0.080									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.080									
1,2,4-Trimethylbenzene	ND	0.020									
1,3,5-Trimethylbenzene	ND	0.020									
Vinyl Acetate	ND	0.40									
Vinyl Chloride	ND	0.020									
m&p-Xylene	ND	0.040									
o-Xylene	ND	0.020									
Surrogate: 4-Bromofluorobenzene (1)	*8.32*				*8.00*		*104*	*70-130*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B335823 - TO-15 Prep												
LCS (B335823-BS1)					Prepared & Analyzed: 03/30/23							
Acetone	5.77				5.00		115		70-130			
Benzene	5.97				5.00		119		70-130			
Benzyl chloride	5.48				5.00		110		70-130			
Bromodichloromethane	6.09				5.00		122		70-130			
Bromoform	5.86				5.00		117		70-130			
Bromomethane	6.05				5.00		121		70-130			
1,3-Butadiene	5.87				5.00		117		70-130			
2-Butanone (MEK)	4.77				5.00		95.4		70-130			
Carbon Disulfide	5.86				5.00		117		70-130			
Carbon Tetrachloride	4.64				5.00		92.8		70-130			
Chlorobenzene	5.57				5.00		111		70-130			
Chloroethane	6.26				5.00		125		70-130			
Chloroform	5.76				5.00		115		70-130			
Chloromethane	5.87				5.00		117		70-130			
Cyclohexane	6.14				5.00		123		70-130			
Dibromochloromethane	5.76				5.00		115		70-130			
1,2-Dibromoethane (EDB)	5.80				5.00		116		70-130			
1,2-Dichlorobenzene	5.38				5.00		108		70-130			
1,3-Dichlorobenzene	5.78				5.00		116		70-130			
1,4-Dichlorobenzene	6.09				5.00		122		70-130			
Dichlorodifluoromethane (Freon 12)	5.68				5.00		114		70-130			
1,1-Dichloroethane	6.12				5.00		122		70-130			
1,2-Dichloroethane	5.69				5.00		114		70-130			
1,1-Dichloroethylene	5.90				5.00		118		70-130			
cis-1,2-Dichloroethylene	5.65				5.00		113		70-130			
trans-1,2-Dichloroethylene	5.72				5.00		114		70-130			
1,2-Dichloropropane	6.35				5.00		127		70-130			
cis-1,3-Dichloropropene	6.00				5.00		120		70-130			
trans-1,3-Dichloropropene	6.08				5.00		122		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.78				5.00		116		70-130			
1,4-Dioxane	6.12				5.00		122		70-130			
Ethanol	5.56				5.00		111		70-130			
Ethyl Acetate	5.04				5.00		101		70-130			
Ethylbenzene	5.63				5.00		113		70-130			
4-Ethyltoluene	5.68				5.00		114		70-130			
Heptane	6.10				5.00		122		70-130			
Hexachlorobutadiene	2.99				5.00		**59.9**	*	70-130			L-03, V-05
Hexane	5.52				5.00		110		70-130			
2-Hexanone (MBK)	5.02				5.00		100		70-130			
Isopropanol	4.88				5.00		97.5		70-130			
Methyl tert-Butyl Ether (MTBE)	5.21				5.00		104		70-130			
Methylene Chloride	5.46				5.00		109		70-130			
4-Methyl-2-pentanone (MIBK)	6.04				5.00		121		70-130			
Naphthalene	3.22				5.00		**64.5**	*	70-130			L-03, V-05
Propene	5.73				5.00		115		70-130			
Styrene	5.78				5.00		116		70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B335823 - TO-15 Prep											
LCS (B335823-BS1)					Prepared & Analyzed: 03/30/23						
1,1,2,2-Tetrachloroethane	5.73				5.00		115	70-130			
Tetrachloroethylene	5.76				5.00		115	70-130			
Tetrahydrofuran	4.97				5.00		99.4	70-130			
Toluene	5.69				5.00		114	70-130			
1,2,4-Trichlorobenzene	3.75				5.00		75.0	70-130			
1,1,1-Trichloroethane	5.46				5.00		109	70-130			
1,1,2-Trichloroethane	5.86				5.00		117	70-130			
Trichloroethylene	5.94				5.00		119	70-130			
Trichlorofluoromethane (Freon 11)	5.61				5.00		112	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.48				5.00		110	70-130			
1,2,4-Trimethylbenzene	5.53				5.00		111	70-130			
1,3,5-Trimethylbenzene	5.69				5.00		114	70-130			
Vinyl Acetate	4.57				5.00		91.5	70-130			
Vinyl Chloride	6.22				5.00		124	70-130			
m&p-Xylene	11.6				10.0		116	70-130			
o-Xylene	5.75				5.00		115	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.50*				*8.00*		*106*	*70-130*			

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Note: Blank Subtraction is not performed unless otherwise noted

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

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ANALYST

TPH	Thomas P. Hnitecki
STATION	Report Queue Station
RJM	Raymond J. McCarthy
KAM	Kyle A. Murray
CMR	Catherine M. Rouleau
CMH	Christian M. Henriquez

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S082540-ICV1)			Lab File ID: J23A025019.D			Analyzed: 01/26/23 00:04			
Bromochloromethane (1)	341158	2.806	341158	2.806	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1102343	3.428	1102343	3.428	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	959356	5.043	959356	5.043	100	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S085184-CCV1)			Lab File ID: J23A087004.D			Analyzed: 03/28/23 17:31			
Bromochloromethane (1)	330258	2.782	330258	2.782	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	985700	3.415	985700	3.415	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	880097	5.036	880097	5.036	100	60 - 140	0.0000	+/-0.50	
LCS (B335568-BS1)			Lab File ID: J23A087005.D			Analyzed: 03/28/23 17:56			
Bromochloromethane (1)	323140	2.782	330258	2.782	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	976779	3.415	985700	3.415	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	874182	5.036	880097	5.036	99	60 - 140	0.0000	+/-0.50	
Blank (B335568-BLK1)			Lab File ID: J23A087008.D			Analyzed: 03/28/23 19:23			
Bromochloromethane (1)	312789	2.766	330258	2.782	95	60 - 140	-0.0160	+/-0.50	
1,4-Difluorobenzene (1)	926997	3.402	985700	3.415	94	60 - 140	-0.0130	+/-0.50	
Chlorobenzene-d5 (1)	825438	5.032	880097	5.036	94	60 - 140	-0.0040	+/-0.50	
SVE 1 3/13/23 (23C2051-01)			Lab File ID: J23A087013.D			Analyzed: 03/28/23 21:49			
Bromochloromethane (1)	316999	2.769	330258	2.782	96	60 - 140	-0.0130	+/-0.50	
1,4-Difluorobenzene (1)	937569	3.406	985700	3.415	95	60 - 140	-0.0090	+/-0.50	
Chlorobenzene-d5 (1)	841689	5.033	880097	5.036	96	60 - 140	-0.0030	+/-0.50	
SVE 3 3/13/23 (23C2051-03)			Lab File ID: J23A087014.D			Analyzed: 03/28/23 22:14			
Bromochloromethane (1)	321766	2.769	330258	2.782	97	60 - 140	-0.0130	+/-0.50	
1,4-Difluorobenzene (1)	953409	3.406	985700	3.415	97	60 - 140	-0.0090	+/-0.50	
Chlorobenzene-d5 (1)	850998	5.033	880097	5.036	97	60 - 140	-0.0030	+/-0.50	
SVE 4 3/13/23 (23C2051-04)			Lab File ID: J23A087015.D			Analyzed: 03/28/23 22:40			
Bromochloromethane (1)	316459	2.769	330258	2.782	96	60 - 140	-0.0130	+/-0.50	
1,4-Difluorobenzene (1)	937769	3.405	985700	3.415	95	60 - 140	-0.0100	+/-0.50	
Chlorobenzene-d5 (1)	840361	5.032	880097	5.036	95	60 - 140	-0.0040	+/-0.50	
SVE Duplicate 14 3/13/23 (23C2051-15)			Lab File ID: J23A087016.D			Analyzed: 03/28/23 23:06			
Bromochloromethane (1)	325734	2.769	330258	2.782	99	60 - 140	-0.0130	+/-0.50	
1,4-Difluorobenzene (1)	966078	3.405	985700	3.415	98	60 - 140	-0.0100	+/-0.50	
Chlorobenzene-d5 (1)	863113	5.032	880097	5.036	98	60 - 140	-0.0040	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
SVE 12 3/13/23 (23C2051-12)			Lab File ID: J23A087017.D			Analyzed: 03/28/23 23:30			
Bromochloromethane (1)	321332	2.772	330258	2.782	97	60 - 140	-0.0100	+/-0.50	
1,4-Difluorobenzene (1)	955414	3.409	985700	3.415	97	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	864451	5.033	880097	5.036	98	60 - 140	-0.0030	+/-0.50	
SVE 6 3/13/23 (23C2051-06)			Lab File ID: J23A087018.D			Analyzed: 03/28/23 23:55			
Bromochloromethane (1)	313678	2.769	330258	2.782	95	60 - 140	-0.0130	+/-0.50	
1,4-Difluorobenzene (1)	940404	3.406	985700	3.415	95	60 - 140	-0.0090	+/-0.50	
Chlorobenzene-d5 (1)	839041	5.032	880097	5.036	95	60 - 140	-0.0040	+/-0.50	
Duplicate (B335568-DUP1)			Lab File ID: J23A087019.D			Analyzed: 03/29/23 00:20			
Bromochloromethane (1)	312056	2.769	330258	2.782	94	60 - 140	-0.0130	+/-0.50	
1,4-Difluorobenzene (1)	922601	3.406	985700	3.415	94	60 - 140	-0.0090	+/-0.50	
Chlorobenzene-d5 (1)	837504	5.032	880097	5.036	95	60 - 140	-0.0040	+/-0.50	
SVE 7 3/13/23 (23C2051-07)			Lab File ID: J23A087020.D			Analyzed: 03/29/23 00:44			
Bromochloromethane (1)	308878	2.766	330258	2.782	94	60 - 140	-0.0160	+/-0.50	
1,4-Difluorobenzene (1)	917122	3.406	985700	3.415	93	60 - 140	-0.0090	+/-0.50	
Chlorobenzene-d5 (1)	829487	5.033	880097	5.036	94	60 - 140	-0.0030	+/-0.50	
SVE 10 3/13/23 (23C2051-10)			Lab File ID: J23A087021.D			Analyzed: 03/29/23 01:07			
Bromochloromethane (1)	308157	2.766	330258	2.782	93	60 - 140	-0.0160	+/-0.50	
1,4-Difluorobenzene (1)	908625	3.406	985700	3.415	92	60 - 140	-0.0090	+/-0.50	
Chlorobenzene-d5 (1)	827176	5.033	880097	5.036	94	60 - 140	-0.0030	+/-0.50	
SVE 13 3/13/23 (23C2051-13)			Lab File ID: J23A087022.D			Analyzed: 03/29/23 01:31			
Bromochloromethane (1)	308663	2.766	330258	2.782	93	60 - 140	-0.0160	+/-0.50	
1,4-Difluorobenzene (1)	913109	3.405	985700	3.415	93	60 - 140	-0.0100	+/-0.50	
Chlorobenzene-d5 (1)	833946	5.032	880097	5.036	95	60 - 140	-0.0040	+/-0.50	
SVE 14 3/13/23 (23C2051-14)			Lab File ID: J23A087023.D			Analyzed: 03/29/23 01:55			
Bromochloromethane (1)	303979	2.769	330258	2.782	92	60 - 140	-0.0130	+/-0.50	
1,4-Difluorobenzene (1)	895871	3.405	985700	3.415	91	60 - 140	-0.0100	+/-0.50	
Chlorobenzene-d5 (1)	820354	5.032	880097	5.036	93	60 - 140	-0.0040	+/-0.50	
SVE 2 3/13/23 (23C2051-02)			Lab File ID: J23A087024.D			Analyzed: 03/29/23 02:18			
Bromochloromethane (1)	305075	2.766	330258	2.782	92	60 - 140	-0.0160	+/-0.50	
1,4-Difluorobenzene (1)	902848	3.406	985700	3.415	92	60 - 140	-0.0090	+/-0.50	
Chlorobenzene-d5 (1)	808391	5.033	880097	5.036	92	60 - 140	-0.0030	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S085299-CCV1)			Lab File ID: J23A088004.D			Analyzed: 03/29/23 11:51			
Bromochloromethane (1)	295757	2.782	295757	2.782	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	885383	3.415	885383	3.415	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	800585	5.036	800585	5.036	100	60 - 140	0.0000	+/-0.50	
LCS (B335795-BS1)			Lab File ID: J23A088009.D			Analyzed: 03/29/23 14:17			
Bromochloromethane (1)	295107	2.782	295757	2.782	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	878770	3.415	885383	3.415	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	796459	5.036	800585	5.036	99	60 - 140	0.0000	+/-0.50	
Blank (B335795-BLK1)			Lab File ID: J23A088012.D			Analyzed: 03/29/23 15:45			
Bromochloromethane (1)	286723	2.766	295757	2.782	97	60 - 140	-0.0160	+/-0.50	
1,4-Difluorobenzene (1)	838793	3.402	885383	3.415	95	60 - 140	-0.0130	+/-0.50	
Chlorobenzene-d5 (1)	754145	5.029	800585	5.036	94	60 - 140	-0.0070	+/-0.50	
SVE 18 3/13/23 (23C2051-19)			Lab File ID: J23A088028.D			Analyzed: 03/30/23 00:52			
Bromochloromethane (1)	290830	2.772	295757	2.782	98	60 - 140	-0.0100	+/-0.50	
1,4-Difluorobenzene (1)	863416	3.408	885383	3.415	98	60 - 140	-0.0070	+/-0.50	
Chlorobenzene-d5 (1)	783327	5.032	800585	5.036	98	60 - 140	-0.0040	+/-0.50	
Effluent Duplicate 3/13/23 (23C2051-22)			Lab File ID: J23A088029.D			Analyzed: 03/30/23 01:16			
Bromochloromethane (1)	282216	2.766	295757	2.782	95	60 - 140	-0.0160	+/-0.50	
1,4-Difluorobenzene (1)	828434	3.406	885383	3.415	94	60 - 140	-0.0090	+/-0.50	
Chlorobenzene-d5 (1)	753428	5.032	800585	5.036	94	60 - 140	-0.0040	+/-0.50	
Effluent 3/13/23 (23C2051-21)			Lab File ID: J23A088030.D			Analyzed: 03/30/23 01:41			
Bromochloromethane (1)	285820	2.769	295757	2.782	97	60 - 140	-0.0130	+/-0.50	
1,4-Difluorobenzene (1)	838367	3.405	885383	3.415	95	60 - 140	-0.0100	+/-0.50	
Chlorobenzene-d5 (1)	759941	5.032	800585	5.036	95	60 - 140	-0.0040	+/-0.50	
SVE 17 3/13/23 (23C2051-18)			Lab File ID: J23A088031.D			Analyzed: 03/30/23 02:06			
Bromochloromethane (1)	284087	2.766	295757	2.782	96	60 - 140	-0.0160	+/-0.50	
1,4-Difluorobenzene (1)	830807	3.406	885383	3.415	94	60 - 140	-0.0090	+/-0.50	
Chlorobenzene-d5 (1)	754860	5.033	800585	5.036	94	60 - 140	-0.0030	+/-0.50	
SVE 16 3/13/23 (23C2051-17)			Lab File ID: J23A088032.D			Analyzed: 03/30/23 02:30			
Bromochloromethane (1)	277866	2.769	295757	2.782	94	60 - 140	-0.0130	+/-0.50	
1,4-Difluorobenzene (1)	819289	3.405	885383	3.415	93	60 - 140	-0.0100	+/-0.50	
Chlorobenzene-d5 (1)	740091	5.032	800585	5.036	92	60 - 140	-0.0040	+/-0.50	
SVE 15 3/13/23 (23C2051-16)			Lab File ID: J23A088033.D			Analyzed: 03/30/23 02:53			
Bromochloromethane (1)	283117	2.766	295757	2.782	96	60 - 140	-0.0160	+/-0.50	
1,4-Difluorobenzene (1)	831995	3.406	885383	3.415	94	60 - 140	-0.0090	+/-0.50	
Chlorobenzene-d5 (1)	745613	5.033	800585	5.036	93	60 - 140	-0.0030	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S085326-CCV1)			Lab File ID: J23A088044.D			Analyzed: 03/30/23 08:16			
Bromochloromethane (1)	270099	2.782	270099	2.782	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	801478	3.415	801478	3.415	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	714250	5.036	714250	5.036	100	60 - 140	0.0000	+/-0.50	
LCS (B335823-BS1)			Lab File ID: J23A088045.D			Analyzed: 03/30/23 08:40			
Bromochloromethane (1)	268950	2.782	270099	2.782	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	796230	3.415	801478	3.415	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	714575	5.036	714250	5.036	100	60 - 140	0.0000	+/-0.50	
Blank (B335823-BLK1)			Lab File ID: J23A088048.D			Analyzed: 03/30/23 10:08			
Bromochloromethane (1)	266344	2.766	270099	2.782	99	60 - 140	-0.0160	+/-0.50	
1,4-Difluorobenzene (1)	766471	3.402	801478	3.415	96	60 - 140	-0.0130	+/-0.50	
Chlorobenzene-d5 (1)	684116	5.033	714250	5.036	96	60 - 140	-0.0030	+/-0.50	
Influent 3/13/23 (23C2051-20)			Lab File ID: J23A089010.D			Analyzed: 03/30/23 11:56			
Bromochloromethane (1)	308584	2.766	270099	2.782	114	60 - 140	-0.0160	+/-0.50	
1,4-Difluorobenzene (1)	888849	3.406	801478	3.415	111	60 - 140	-0.0090	+/-0.50	
Chlorobenzene-d5 (1)	802336	5.032	714250	5.036	112	60 - 140	-0.0040	+/-0.50	
SVE 9 3/13/23 (23C2051-09)			Lab File ID: J23A089011.D			Analyzed: 03/30/23 12:23			
Bromochloromethane (1)	309720	2.766	270099	2.782	115	60 - 140	-0.0160	+/-0.50	
1,4-Difluorobenzene (1)	894782	3.406	801478	3.415	112	60 - 140	-0.0090	+/-0.50	
Chlorobenzene-d5 (1)	808140	5.032	714250	5.036	113	60 - 140	-0.0040	+/-0.50	
SVE 11 3/13/23 (23C2051-11)			Lab File ID: J23A089012.D			Analyzed: 03/30/23 12:50			
Bromochloromethane (1)	312447	2.769	270099	2.782	116	60 - 140	-0.0130	+/-0.50	
1,4-Difluorobenzene (1)	907452	3.406	801478	3.415	113	60 - 140	-0.0090	+/-0.50	
Chlorobenzene-d5 (1)	841759	5.033	714250	5.036	118	60 - 140	-0.0030	+/-0.50	
SVE 8 3/13/23 (23C2051-08)			Lab File ID: J23A089013.D			Analyzed: 03/30/23 13:16			
Bromochloromethane (1)	310456	2.766	270099	2.782	115	60 - 140	-0.0160	+/-0.50	
1,4-Difluorobenzene (1)	893960	3.405	801478	3.415	112	60 - 140	-0.0100	+/-0.50	
Chlorobenzene-d5 (1)	810939	5.032	714250	5.036	114	60 - 140	-0.0040	+/-0.50	
SVE 5 3/13/23 (23C2051-05)			Lab File ID: J23A089014.D			Analyzed: 03/30/23 13:41			
Bromochloromethane (1)	311662	2.766	270099	2.782	115	60 - 140	-0.0160	+/-0.50	
1,4-Difluorobenzene (1)	894081	3.406	801478	3.415	112	60 - 140	-0.0090	+/-0.50	
Chlorobenzene-d5 (1)	823191	5.032	714250	5.036	115	60 - 140	-0.0040	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S085184-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.66	0.9172061	0.8555396		-6.7	30
Benzene	A	5.00	4.72	0.7387105	0.6974146		-5.6	30
Benzyl chloride	A	5.00	4.87	0.7213395	0.7022335		-2.6	30
Bromodichloromethane	A	5.00	4.94	0.5251533	0.518324		-1.3	30
Bromoform	A	5.00	4.87	0.4277704	0.416405		-2.7	30
Bromomethane	A	5.00	4.71	0.6097815	0.5746295		-5.8	30
1,3-Butadiene	A	5.00	4.88	0.4638914	0.4529986		-2.3	30
2-Butanone (MEK)	A	5.00	3.84	1.412082	1.083085		-23.3	30
Carbon Disulfide	A	5.00	4.37	1.950889	1.704064		-12.7	30
Carbon Tetrachloride	A	5.00	4.57	0.4804808	0.4389652		-8.6	30
Chlorobenzene	A	5.00	4.43	0.7448082	0.6592564		-11.5	30
Chloroethane	A	5.00	4.74	0.3583321	0.3395503		-5.2	30
Chloroform	A	5.00	4.48	1.602387	1.437116		-10.3	30
Chloromethane	A	5.00	4.79	0.498645	0.4778712		-4.2	30
Cyclohexane	A	5.00	4.92	0.3089687	0.3039546		-1.6	30
Dibromochloromethane	A	5.00	4.68	0.5087335	0.4764366		-6.3	30
1,2-Dibromoethane (EDB)	A	5.00	4.59	0.4954263	0.4547335		-8.2	30
1,2-Dichlorobenzene	A	5.00	4.29	0.6000711	0.5151232		-14.2	30
1,3-Dichlorobenzene	A	5.00	4.30	0.6282622	0.540584		-14.0	30
1,4-Dichlorobenzene	A	5.00	4.69	0.5785005	0.5427129		-6.2	30
Dichlorodifluoromethane (Freon 12)	A	5.00	4.57	1.788333	1.635768		-8.5	30
1,1-Dichloroethane	A	5.00	4.79	1.234282	1.181733		-4.3	30
1,2-Dichloroethane	A	5.00	4.42	1.007865	0.8919184		-11.5	30
1,1-Dichloroethylene	A	5.00	4.47	1.125918	1.006762		-10.6	30
cis-1,2-Dichloroethylene	A	5.00	4.48	0.988136	0.8858141		-10.4	30
trans-1,2-Dichloroethylene	A	5.00	4.64	1.018061	0.9436501		-7.3	30
1,2-Dichloropropane	A	5.00	4.94	0.2543605	0.2510752		-1.3	30
cis-1,3-Dichloropropene	A	5.00	4.86	0.3935901	0.3827501		-2.8	30
trans-1,3-Dichloropropene	A	5.00	4.82	0.350459	0.3376865		-3.6	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	4.82	1.768022	1.705421		-3.5	30
1,4-Dioxane	A	5.00	4.70	0.1607629	0.1511941		-6.0	30
Ethanol	A	5.00	4.78	0.1626733	0.1553452		-4.5	30
Ethyl Acetate	A	5.00	4.52	0.2181169	0.1972712		-9.6	30
Ethylbenzene	A	5.00	4.54	1.320541	1.199381		-9.2	30
4-Ethyltoluene	A	5.00	4.56	1.333301	1.217211		-8.7	30
Heptane	A	5.00	4.85	0.2163238	0.2097807		-3.0	30
Hexachlorobutadiene	A	5.00	2.72	0.4316824	0.2345014		-45.7	30 *
Hexane	L	5.00	4.40	0.7010749	0.6224951		-12.1	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S085184-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	4.15	0.5317658	0.4413386		-17.0	30
Isopropanol	A	5.00	4.63	1.0816	1.000997		-7.5	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.34	2.038246	1.769424		-13.2	30
Methylene Chloride	A	5.00	4.22	0.7621343	0.6431142		-15.6	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.94	0.2070279	0.2047617		-1.1	30
Naphthalene	A	5.00	3.15	0.9438203	0.595238		-36.9	30 *
Propene	A	5.00	4.90	0.3658411	0.3585948		-2.0	30
Styrene	A	5.00	4.68	0.7117754	0.6657212		-6.5	30
1,1,2,2-Tetrachloroethane	A	5.00	4.54	0.7493945	0.6806359		-9.2	30
Tetrachloroethylene	A	5.00	4.69	0.3917065	0.3674268		-6.2	30
Tetrahydrofuran	A	5.00	3.82	0.721119	0.5514477		-23.5	30
Toluene	A	5.00	4.51	1.018666	0.9188787		-9.8	30
1,2,4-Trichlorobenzene	A	5.00	3.50	0.3480916	0.2439331		-29.9	30
1,1,1-Trichloroethane	A	5.00	4.54	0.5043155	0.4579828		-9.2	30
1,1,2-Trichloroethane	A	5.00	4.58	0.3354709	0.3072352		-8.4	30
Trichloroethylene	A	5.00	4.62	0.332105	0.306977		-7.6	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.47	1.844271	1.648268		-10.6	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.23	1.418208	1.198636		-15.5	30
1,2,4-Trimethylbenzene	A	5.00	4.48	1.114566	0.9984299		-10.4	30
1,3,5-Trimethylbenzene	A	5.00	4.55	1.126426	1.024351		-9.1	30
Vinyl Acetate	A	5.00	4.17	1.280082	1.068067		-16.6	30
Vinyl Chloride	A	5.00	4.83	0.6431254	0.6215068		-3.4	30
m&p-Xylene	A	10.0	9.12	1.065519	0.9720819		-8.8	30
o-Xylene	A	5.00	4.51	1.040057	0.9376512		-9.8	30

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

* Values outside of QC limits

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CONTINUING CALIBRATION CHECK

EPA TO-15

S085299-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	5.03	0.9172061	0.9223302		0.6	30
Benzene	A	5.00	5.18	0.7387105	0.7654342		3.6	30
Benzyl chloride	A	5.00	5.06	0.7213395	0.7306917		1.3	30
Bromodichloromethane	A	5.00	5.42	0.5251533	0.5693988		8.4	30
Bromoform	A	5.00	5.53	0.4277704	0.4729781		10.6	30
Bromomethane	A	5.00	5.27	0.6097815	0.6431875		5.5	30
1,3-Butadiene	A	5.00	5.33	0.4638914	0.4947683		6.7	30
2-Butanone (MEK)	A	5.00	4.11	1.412082	1.161678		-17.7	30
Carbon Disulfide	A	5.00	4.89	1.950889	1.906836		-2.3	30
Carbon Tetrachloride	A	5.00	5.13	0.4804808	0.4930747		2.6	30
Chlorobenzene	A	5.00	4.91	0.7448082	0.7311913		-1.8	30
Chloroethane	A	5.00	5.38	0.3583321	0.3854408		7.6	30
Chloroform	A	5.00	4.97	1.602387	1.592599		-0.6	30
Chloromethane	A	5.00	5.29	0.498645	0.527552		5.8	30
Cyclohexane	A	5.00	5.32	0.3089687	0.3285774		6.3	30
Dibromochloromethane	A	5.00	5.19	0.5087335	0.5284895		3.9	30
1,2-Dibromoethane (EDB)	A	5.00	4.98	0.4954263	0.493633		-0.4	30
1,2-Dichlorobenzene	A	5.00	4.68	0.6000711	0.5611976		-6.5	30
1,3-Dichlorobenzene	A	5.00	4.85	0.6282622	0.6089587		-3.1	30
1,4-Dichlorobenzene	A	5.00	5.01	0.5785005	0.5796701		0.2	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.03	1.788333	1.799807		0.6	30
1,1-Dichloroethane	A	5.00	5.26	1.234282	1.298455		5.2	30
1,2-Dichloroethane	A	5.00	4.97	1.007865	1.002147		-0.6	30
1,1-Dichloroethylene	A	5.00	5.07	1.125918	1.141781		1.4	30
cis-1,2-Dichloroethylene	A	5.00	4.93	0.988136	0.9743026		-1.4	30
trans-1,2-Dichloroethylene	A	5.00	5.04	1.018061	1.026242		0.8	30
1,2-Dichloropropane	A	5.00	5.41	0.2543605	0.2752761		8.2	30
cis-1,3-Dichloropropene	A	5.00	5.33	0.3935901	0.4193964		6.6	30
trans-1,3-Dichloropropene	A	5.00	5.23	0.350459	0.3665921		4.6	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.40	1.768022	1.909351		8.0	30
1,4-Dioxane	A	5.00	5.08	0.1607629	0.1634673		1.7	30
Ethanol	A	5.00	4.80	0.1626733	0.1563392		-3.9	30
Ethyl Acetate	A	5.00	4.75	0.2181169	0.2070835		-5.1	30
Ethylbenzene	A	5.00	4.94	1.320541	1.303936		-1.3	30
4-Ethyltoluene	A	5.00	5.02	1.333301	1.339047		0.4	30
Heptane	A	5.00	5.36	0.2163238	0.2319177		7.2	30
Hexachlorobutadiene	A	5.00	2.84	0.4316824	0.2454205		-43.1	30 *
Hexane	L	5.00	4.82	0.7010749	0.6818733		-3.7	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S085299-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	4.26	0.5317658	0.452627		-14.9	30
Isopropanol	A	5.00	4.95	1.0816	1.07122		-1.0	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.65	2.038246	1.895356		-7.0	30
Methylene Chloride	A	5.00	4.69	0.7621343	0.7154684		-6.1	30
4-Methyl-2-pentanone (MIBK)	A	5.00	5.20	0.2070279	0.2152415		4.0	30
Naphthalene	A	5.00	2.89	0.9438203	0.5449975		-42.3	30 *
Propene	A	5.00	5.12	0.3658411	0.3744425		2.4	30
Styrene	A	5.00	5.03	0.7117754	0.7155607		0.5	30
1,1,2,2-Tetrachloroethane	A	5.00	5.09	0.7493945	0.763074		1.8	30
Tetrachloroethylene	A	5.00	5.06	0.3917065	0.3960564		1.1	30
Tetrahydrofuran	A	5.00	4.13	0.721119	0.5950507		-17.5	30
Toluene	A	5.00	4.90	1.018666	0.9976245		-2.1	30
1,2,4-Trichlorobenzene	A	5.00	3.55	0.3480916	0.2472892		-29.0	30
1,1,1-Trichloroethane	A	5.00	5.02	0.5043155	0.5063933		0.4	30
1,1,2-Trichloroethane	A	5.00	5.00	0.3354709	0.3354967		0.008	30
Trichloroethylene	A	5.00	5.01	0.332105	0.3328295		0.2	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.96	1.844271	1.828874		-0.8	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.78	1.418208	1.357195		-4.3	30
1,2,4-Trimethylbenzene	A	5.00	4.90	1.114566	1.092601		-2.0	30
1,3,5-Trimethylbenzene	A	5.00	5.06	1.126426	1.138913		1.1	30
Vinyl Acetate	A	5.00	4.33	1.280082	1.109468		-13.3	30
Vinyl Chloride	A	5.00	5.36	0.6431254	0.6888736		7.1	30
m&p-Xylene	A	10.0	10.1	1.065519	1.071235		0.5	30
o-Xylene	A	5.00	5.01	1.040057	1.042304		0.2	30

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

* Values outside of QC limits

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CONTINUING CALIBRATION CHECK

EPA TO-15

S085326-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	5.60	0.9172061	1.027736		12.1	30
Benzene	A	5.00	5.82	0.7387105	0.8594741		16.3	30
Benzyl chloride	A	5.00	5.36	0.7213395	0.7740259		7.3	30
Bromodichloromethane	A	5.00	6.08	0.5251533	0.6386381		21.6	30
Bromoform	A	5.00	6.23	0.4277704	0.5326449		24.5	30
Bromomethane	A	5.00	5.83	0.6097815	0.7112592		16.6	30
1,3-Butadiene	A	5.00	5.97	0.4638914	0.5536163		19.3	30
2-Butanone (MEK)	A	5.00	4.52	1.412082	1.27571		-9.7	30
Carbon Disulfide	A	5.00	5.49	1.950889	2.142154		9.8	30
Carbon Tetrachloride	A	5.00	5.69	0.4804808	0.5464504		13.7	30
Chlorobenzene	A	5.00	5.50	0.7448082	0.819359		10.0	30
Chloroethane	A	5.00	5.97	0.3583321	0.4280327		19.5	30
Chloroform	A	5.00	5.51	1.602387	1.766096		10.2	30
Chloromethane	A	5.00	6.12	0.498645	0.6100578		22.3	30
Cyclohexane	A	5.00	6.02	0.3089687	0.3720966		20.4	30
Dibromochloromethane	A	5.00	5.90	0.5087335	0.6004127		18.0	30
1,2-Dibromoethane (EDB)	A	5.00	5.70	0.4954263	0.5652699		14.1	30
1,2-Dichlorobenzene	A	5.00	5.17	0.6000711	0.6201235		3.3	30
1,3-Dichlorobenzene	A	5.00	5.35	0.6282622	0.6717872		6.9	30
1,4-Dichlorobenzene	A	5.00	5.84	0.5785005	0.6757567		16.8	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.55	1.788333	1.984926		11.0	30
1,1-Dichloroethane	A	5.00	5.83	1.234282	1.439348		16.6	30
1,2-Dichloroethane	A	5.00	5.45	1.007865	1.098513		9.0	30
1,1-Dichloroethylene	A	5.00	5.69	1.125918	1.281148		13.8	30
cis-1,2-Dichloroethylene	A	5.00	5.45	0.988136	1.077193		9.0	30
trans-1,2-Dichloroethylene	A	5.00	5.60	1.018061	1.139209		11.9	30
1,2-Dichloropropane	A	5.00	6.11	0.2543605	0.3110414		22.3	30
cis-1,3-Dichloropropene	A	5.00	5.96	0.3935901	0.4688538		19.1	30
trans-1,3-Dichloropropene	A	5.00	5.77	0.350459	0.4041334		15.3	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	6.03	1.768022	2.130863		20.5	30
1,4-Dioxane	A	5.00	5.63	0.1607629	0.1808938		12.5	30
Ethanol	A	5.00	5.51	0.1626733	0.1793061		10.2	30
Ethyl Acetate	A	5.00	5.36	0.2181169	0.2338757		7.2	30
Ethylbenzene	A	5.00	5.59	1.320541	1.476135		11.8	30
4-Ethyltoluene	A	5.00	5.60	1.333301	1.493319		12.0	30
Heptane	A	5.00	6.03	0.2163238	0.2608461		20.6	30
Hexachlorobutadiene	A	5.00	3.17	0.4316824	0.2738694		-36.6	30 *
Hexane	L	5.00	5.34	0.7010749	0.7564574		6.9	30

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

CONTINUING CALIBRATION CHECK

EPA TO-15

S085326-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	4.82	0.5317658	0.5130909		-3.5	30
Isopropanol	A	5.00	5.55	1.0816	1.201011		11.0	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	5.05	2.038246	2.058771		1.0	30
Methylene Chloride	A	5.00	5.30	0.7621343	0.8079941		6.0	30
4-Methyl-2-pentanone (MIBK)	A	5.00	5.77	0.2070279	0.2390504		15.5	30
Naphthalene	A	5.00	3.24	0.9438203	0.6122719		-35.1	30 *
Propene	A	5.00	5.71	0.3658411	0.4174943		14.1	30
Styrene	A	5.00	5.73	0.7117754	0.8154814		14.6	30
1,1,2,2-Tetrachloroethane	A	5.00	5.76	0.7493945	0.8625798		15.1	30
Tetrachloroethylene	A	5.00	5.68	0.3917065	0.4446488		13.5	30
Tetrahydrofuran	A	5.00	4.67	0.721119	0.6737559		-6.6	30
Toluene	A	5.00	5.57	1.018666	1.134807		11.4	30
1,2,4-Trichlorobenzene	A	5.00	3.93	0.3480916	0.27339		-21.5	30
1,1,1-Trichloroethane	A	5.00	5.53	0.5043155	0.5573443		10.5	30
1,1,2-Trichloroethane	A	5.00	5.64	0.3354709	0.3783056		12.8	30
Trichloroethylene	A	5.00	5.62	0.332105	0.3730907		12.3	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.53	1.844271	2.03972		10.6	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.32	1.418208	1.507548		6.3	30
1,2,4-Trimethylbenzene	A	5.00	5.54	1.114566	1.233717		10.7	30
1,3,5-Trimethylbenzene	A	5.00	5.65	1.126426	1.273224		13.0	30
Vinyl Acetate	A	5.00	4.50	1.280082	1.152069		-10.0	30
Vinyl Chloride	A	5.00	6.09	0.6431254	0.7835408		21.8	30
m&p-Xylene	A	10.0	11.4	1.065519	1.219607		14.5	30
o-Xylene	A	5.00	5.68	1.040057	1.181888		13.6	30

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

* Values outside of QC limits

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Acetone	AIHA,NY,ME,NH
Benzene	AIHA,FL,NJ,NY,ME,NH,VA
Benzyl chloride	AIHA,FL,NJ,NY,ME,NH,VA
Bromodichloromethane	AIHA,NJ,NY,ME,NH,VA
Bromoform	AIHA,NJ,NY,ME,NH,VA
Bromomethane	AIHA,FL,NJ,NY,ME,NH
1,3-Butadiene	AIHA,NJ,NY,ME,NH,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,ME,NH,VA
Carbon Disulfide	AIHA,NJ,NY,ME,NH,VA
Carbon Tetrachloride	AIHA,FL,NJ,NY,ME,NH,VA
Chlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Chloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Chloroform	AIHA,FL,NJ,NY,ME,NH,VA
Chloromethane	AIHA,FL,NJ,NY,ME,NH,VA
Cyclohexane	AIHA,NJ,NY,ME,NH,VA
Dibromochloromethane	AIHA,NY,ME,NH
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME,NH
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	AIHA,NJ,NY,ME,NH
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME,NH
1,1-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,ME,NH,VA
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	AIHA,NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA
Heptane	AIHA,NJ,NY,ME,NH,VA
Hexachlorobutadiene	AIHA,NJ,NY,ME,NH,VA
Hexane	AIHA,FL,NJ,NY,ME,NH,VA
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,ME,NH,VA
Methylene Chloride	AIHA,FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,ME,NH,VA

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Tetrachloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Tetrahydrofuran	AIHA
Toluene	AIHA,FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	AIHA,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Trichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	AIHA,NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	AIHA,NJ,NY,ME,NH
1,3,5-Trimethylbenzene	AIHA,NJ,NY,ME,NH
Vinyl Acetate	AIHA,FL,NJ,NY,ME,NH,VA
Vinyl Chloride	AIHA,FL,NJ,NY,ME,NH,VA
m&p-Xylene	AIHA,FL,NJ,NY,ME,NH,VA
o-Xylene	AIHA,FL,NJ,NY,ME,NH,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

23C2051

CHAIN OF CUSTODY RECORD (AIR)

Requested Turnaround Time
7-Day ☒ 10-Day ☐
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

Company Name: NYS DEC DER
Address: 625 Broadway Albany NY 12233
Phone: (518) 402 9813
Project Name: Staubs Textile
Project Location: 935 E main st Rochester NY
Project Number: 828660
Project Manager: Jasmine Statansky
Con-Test Quote Name/Number:
Invoice Recipient: Jasmine statansky@dec.ny.gov
Sampled By: Derek Blumenstein

ANALYSIS REQUESTED

Lab Use: Con-Test Work Order#	Client Use: Client Sample ID / Description	Collection Data: Beginning Date/Time	Collection Data: Ending Date/Time	Duration: Total Minutes Sampled	Flow Rate (☐ m³/min ☐ L/min)	Matrix: Code	Volume (☐ Liters ☐ m³)	TO 14/15 Standard / low level				" Hg: Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
	SVE 1 3/13/23	3/13/23 1115	1142	27		SG		X				-27	-4	3.6	2586	4125
	SVE 2 3/13/23	3/13/23 1116	1145	29		SG		X				-27	-5	4.6	2360	4242
	SVE 3 3/13/23	3/13/23 1118	1147	29		SG		X				-27	-3	2.1	2426	4108
	SVE 4 3/13/23	3/13/23 1119	1148	29		SG		X				-30	-4	2.8	2732	4325
	SVE 5 3/13/23	3/13/23 1151	1218	27		SG		X				-28	-4	4.2	2283	4335
	SVE 6 3/13/23	3/13/23 1152	1222	30		SG		X				-27	-5	5.2	2721	4334
	SVE 7 3/13/23	3/13/23 1155	1223	28		SG		X				-28	-4	1.6	2613	4132
	SVE 8 3/13/23	3/13/23 1156	1224	28		SG		X				-26	-4	3.3	2436	4141
	SVE 9 3/13/23	3/13/23 1239	1258	29		SG		X				-18	-4	2.1	2381	4134

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments: Email results to client and CC danw@nwcontracting.com

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 3/13/23
Received by: (signature)	Date/Time: 3-16-23 1305
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

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NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

39 Spruce Street
East Longmeadow, MA 01028

23C2051

CHAIN OF CUSTODY RECORD (AIR)

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

Company Name: NYS DEC DER
Address: 625 Broadway Albany NY 12233
Phone: (518) 402-9813
Project Name: Staub's Textile
Project Location: 935 E Main st Rochester NY
Project Number: 828660
Project Manager: Jasmine Statansky
Con-Test Quote Name/Number:
Invoice Recipient: Jasmine.statansky@dec.ny.gov
Sampled By: Jack Blumenstein

ANALYSIS REQUESTED

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Lab Use: Con-Test Work Order#	Client Use: Client Sample ID / Description	Collection Data: Beginning Date/Time	Collection Data: Ending Date/Time	Duration: Total Minutes Sampled	Flow Rate (m³/min, L/min)	Matrix: Code	Volume (Liters, m³)	TO 14/15 Standard (air toxics)				" Hg Initial Pressure	" Hg Final Pressure	" Hg Lab Receipt Pressure	Summa Can ID	Flow Controller ID
	SVE10 3/13/23	3/13/23 1241	~~1241~~ 1306	25 ~~100~~		SG		X				-29	-4	2.1	2438	4253
	SVE 11 3/13/23	3/13/23 1243	~~108~~	25 ~~108~~		SG		X				-26	-4	2.6	2402	4337
	SVE 12 3/13/23	3/13/23 1245	~~112~~	25 ~~110~~		SG		X				-28	-4	2.9	2361	4321
	SVE 13 3/13/23	3/13/23 120	~~120~~ 144	24 ~~144~~		SG		X				-27	-4	2.7	2718	4122
	SVE 14 3/13/23	3/13/23 121	15	~~15~~ 30		SG		X				-26	-4	3.0	2393	4346
	SVE Duplicate 14 3/13/23	3/13/23 121	144	~~144~~ 23		SG		X				-26	-3	2.6	2614	4261
	SVE 15 3/13/23	3/13/23 123	130	~~152~~ 27		SG		X				-28	-4	4.2	2266	4111
	SVE 16 3/13/23	3/13/23 213	242	29		SG		X				-29	-5	1.6	2610	4139
	SVE 17 3/13/23	3/13/23 214	243	29		SG		X				-29	-3	2.5	2372	4340

Comments: Email Results to client and CC dan@NWcontracting.com

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
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Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

	Date/Time
Relinquished by: (signature)	3/13/23
Received by: (signature)	3/13/23 1305
Relinquished by: (signature)	
Received by: (signature)	
Relinquished by: (signature)	
Received by: (signature)	

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

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NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Sc
☐ Non S

con-test ANALYTICAL LABORATORY

23C2051

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

Doc #378 Rev 1_03242017

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Company Name: NYS DEC DER
Address: 625 Broadway Albany NY 12233
Phone: (518) 402-9813
Project Name: Staubs Textile
Project Location: 935 E Main St Rochester NY
Project Number: 828660
Project Manager: Jasmine Statansky
Con-Test Quote Name/Number:
Invoice Recipient: Jasmine.Statansky@dec.ny.gov
Sampled By: Derek Blumenstein

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED

Lab Use: Con-Test Work Order#	Client Use: Client Sample ID / Description	Collection Data: Beginning Date/Time	Collection Data: Ending Date/Time	Duration: Total Minutes Sampled	Flow Rate (☐ m³/min ☐ L/min)	Matrix: Code	Volume (☐ Liters ☐ m³)	TO 14/15 Standard / low level				Initial Pressure (" Hg)	Final Pressure (" Hg)	Lab Receipt Pressure (" Hg)	Summa Can ID	Flow Controller ID
	SVE 18 3/13/23	3/13/23 216	244	28		SG		X				-29	-4	2.3	2727	4178
	Influent 3/13/23	3/13/23 309	333	24		SG		X				-23	-5	2.2	2419	4328
	Effluent 3/13/23	3/13/23 307	331	24		SG		X				-24	-4	0.3	2418	4353
	Effluent Duplicate 3/13/23	3/13/23 307	334	27		SG		X				-29	-5	2.4	2414	4354

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments: Email Results to clients and CC dan@nwcontracting.com

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 3/13/23
Received by: (signature)	Date/Time: 3/16/23 15:05
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

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NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

FedEx® Tracking

DELIVERED

Thursday

3/16/2023 at 1:05 pm

Signed for by: HHENRIQUEZ

Obtain Proof of delivery

How was your delivery?

DELIVERY STATUS

Delivered

TRACKING ID

771440831133

FROM
ALDEN, NY US

PACKAGE RECEIVED BY FEDEX
FARMINGTON, NY
3/13/2023 5:14 PM

IN TRANSIT
WINDSOR, CT
3/16/2023 4:16 AM

OUT FOR DELIVERY
WINDSOR, CT
3/16/2023 5:01 AM

DELIVERED
East Longmeadow, MA US

Delivered
3/16/2023 at 1:05 PM

View travel history

Want updates on this shipment? Enter your email and we will do the rest!

YOUR EMAIL

SUBMIT

MORE OPTIONS

Manage Delivery

Shipment facts

FedEx® Tracking

DELIVERED

Thursday

3/16/2023 at 1:05 pm

Signed for by: HHENRIQUEZ

Obtain Proof of delivery

How was your delivery?

DELIVERY STATUS

Delivered

TRACKING ID

771440831800

FROM
ALDEN, NY US

PACKAGE RECEIVED BY FEDEX
FARMINGTON, NY
3/13/2023 5:14 PM

IN TRANSIT
WINDSOR, CT
3/16/2023 4:54 AM

OUT FOR DELIVERY
WINDSOR, CT
3/16/2023 5:09 AM

DELIVERED
East Longmeadow, MA US

Delivered
3/16/2023 at 1:05 PM

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Want updates on this shipment? Enter your email and we will do the rest!

YOUR EMAIL

SUBMIT

MORE OPTIONS

Manage Delivery

Shipment facts

FedEx® Tracking

DELIVERED

Thursday

3/16/2023 at 1:05 pm

Signed for by: HHENRIQUEZ

Obtain Proof of delivery

How was your delivery?

DELIVERY STATUS

Delivered

TRACKING ID

771440831968

FROM
ALDEN, NY US

PACKAGE RECEIVED BY FEDEX
FARMINGTON, NY
3/13/2023 5:14 PM

IN TRANSIT
WINDSOR, CT
3/16/2023 4:15 AM

OUT FOR DELIVERY
WINDSOR, CT
3/16/2023 4:59 AM

DELIVERED
East Longmeadow, MA US

Delivered
3/16/2023 at 1:05 PM

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FedEx® Tracking

DELIVERED

Thursday

3/16/2023 at 1:05 pm

Signed for by: HHENRIQUEZ

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How was your delivery?

DELIVERY STATUS

Delivered

TRACKING ID

771440831946

FROM
ALDEN, NY US

PACKAGE RECEIVED BY FEDEX
FARMINGTON, NY
3/13/2023 5:14 PM

IN TRANSIT
WINDSOR, CT
3/16/2023 4:56 AM

OUT FOR DELIVERY
WINDSOR, CT
3/16/2023 5:18 AM

DELIVERED
East Longmeadow, MA US

Delivered
3/16/2023 at 1:05 PM

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Shipment facts

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F:413-525-6405
www.pacelabs.com

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

Pace® PEOPLE ADVANCING SCIENCE

Client NYS DEC DER
Project Staubs Textile
MCP/RCP Required —
Deliverable Package Requirement
Location 935 E Main St Rochester, NY
PWSID# (When Applicable)
Arrival Method FedEx 771440831133
Received By / Date / Time CMH 3-16-23 1305
Back-Sheet By / Date / Time TPM 3-20-23 1505
Temperature Method _____ # _____
Temp < 6° C ☐ Actual Temperature _____
Rush Samples: Yes / (No) _____ Notify _____
Short Hold: Yes (No) _____ Notify _____

	True	False
Received on Ice	☐	☒
Received in Cooler	☐	☒
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Individually Certified Cans	☐	☒
Trip Blanks	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒
Project ☒ IDs ☒ Collection Date/Time ☒

Notes regarding Samples/COC outside of SOP:

Container	#	Size	Regulator	Duration
Summa Cans	22	3L	22	30min
Tedlar Bags				
TO-17 Tubes				
Radiello				
Pufs/ TO-11				

Accessories			
Nut/Ferrule		IC Train	
Tubing			
T-Connector		Shipping Charges	
Syringe			
Tedlar			

Can #'s							
1	2586	8	2436	16	2266	24	
2	2360	9	2381	17	2610	25	
3	2426	10	2438	18	2372	26	
4	2732	11	2402	19	2727	27	
5	2283	12	2361	20	2419	28	
6	2721	13	2718	21	2418	29	
7	2613	14	2393	22	2414	30	
		15	2614	23		31	

Regs #'s							
1	4125	8	4141	16	4111	24	
2	4242	9	4134	17	4139	25	
3	4108	10	4253	18	4340	26	
4	4325	11	4337	19	4118	27	
5	4335	12	4321	20	4328	28	
6	4334	13	4122	21	4353	29	
7	4132	14	4346	22	4354	30	
		15	4261	23		31	

Unused Media							
1		8		16		24	
2		9		17		25	
3		10		18		26	
4		11		19		27	
5		12		20		28	
6		13		21		29	
7		14		22		30	
		15		23		31	

Pufs/TO-17's							
1		8		16		24	
2		9		17		25	
3		10		18		26	
4		11		19		27	
5		12		20		28	
6		13		21		29	
7		14		22		30	
		15		23			

Air Sampling Media Certificate of Analysis

Date Analyzed: 12/21/2022 **Batch #:** 22CC1076

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2727

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 3/31/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 1/12/2023 **Batch #:** 23CC0021

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2721

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 3/31/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 1/26/2023 **Batch #:** 23CC0058

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2610

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 3/31/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 1/28/2023 **Batch #:** 23CC0087

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2393

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 3/31/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 2/15/2023 **Batch #:** 23CC0130

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2718

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 3/31/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 2/22/2023 **Batch #:** 23CC0150

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2586

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 3/31/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 2/25/2023 **Batch #:** 23CC0156

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs:
BC2372
BC2266
BC2361

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 3/31/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 2/25/2023 **Batch #:** 23CC0157

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC2613, BC2438

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 3/31/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 2/25/2023 **Batch #:** 23CC0160

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs:

BC2360		
BC2418		
BC2414		
BC2614		
BC2426		
BC2732		

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 3/31/23

Air Sampling Media Certificate of Analysis

Date Analyzed: 2/25/2023 **Batch #:** 23CC0161

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs:

BC2436		
BC2402		
BC2419		
BC2283		
BC2381		

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 3/31/23

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ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Jacobs
WSP USA Inc.
40 La Riviere Drive
Suite 320
Buffalo, New York 14202

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JOB DESCRIPTION

Staub's Textile Services - NYSDEC

JOB NUMBER

480-208417-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Eurofins Buffalo

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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Authorization

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-208417-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-208417-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-208417-1

Comments
No additional comments.

Receipt
The samples were received on 5/1/2023 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

Air - GC/MS VOA
Methods TO 15 LL, TO-14A, TO-15: EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by Eurofins TestAmerica Knoxville.

Methods TO 15 LL, TO-15: The continuing calibration verification (CCV) associated with batch 140-73282 exhibited % difference of > 30% for the following analyte(s) Carbon tetrachloride; however, the results were within the LCS acceptance limits. The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria.

Methods TO 15 LL, TO-15: The following analyte(s) recovered outside control limits for the LCS associated with analytical batch 140-73282: Carbon tetrachloride. This is not indicative of a systematic control problem because this was random marginal exceedance. Qualified results have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-208417-1

Client Sample ID: INFLUENT 042823 — Lab Sample ID: 480-208417-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	12	J	41	10	ppb v/v	413.41		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	470		21	5.2	ppb v/v	413.41		TO 15 LL	Total/NA
Hexane	18	J	100	13	ppb v/v	413.41		TO 15 LL	Total/NA
Methylene Chloride	180	J	210	72	ppb v/v	413.41		TO 15 LL	Total/NA
Tetrachloroethene	2500		41	6.2	ppb v/v	413.41		TO 15 LL	Total/NA
Trichloroethene	32		19	6.7	ppb v/v	413.41		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	61	J	200	51	ug/m3	413.41		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	1900		82	20	ug/m3	413.41		TO 15 LL	Total/NA
Hexane	65	J	360	46	ug/m3	413.41		TO 15 LL	Total/NA
Methylene Chloride	620	J	720	250	ug/m3	413.41		TO 15 LL	Total/NA
Tetrachloroethene	17000		280	42	ug/m3	413.41		TO 15 LL	Total/NA
Trichloroethene	170		100	36	ug/m3	413.41		TO 15 LL	Total/NA

Client Sample ID: EFFLUENT 042823 — Lab Sample ID: 480-208417-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.087	J	0.67	0.083	ppb v/v	1		TO 15 LL	Total/NA
1,2,4-Trimethylbenzene	0.19	J	0.67	0.17	ppb v/v	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.64	J	1.7	0.13	ppb v/v	1		TO 15 LL	Total/NA
Benzene	0.40	J	0.67	0.11	ppb v/v	1		TO 15 LL	Total/NA
Chloroform	0.15	J	0.67	0.12	ppb v/v	1		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	3.8		0.33	0.083	ppb v/v	1		TO 15 LL	Total/NA
Cyclohexane	0.47	J	1.7	0.31	ppb v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.42	J	0.67	0.12	ppb v/v	1		TO 15 LL	Total/NA
Ethanol	11	J	17	7.3	ppb v/v	1		TO 15 LL	Total/NA
Ethylbenzene	0.48	J	0.67	0.11	ppb v/v	1		TO 15 LL	Total/NA
Hexane	1.3	J	1.7	0.21	ppb v/v	1		TO 15 LL	Total/NA
Methylene Chloride	3.3		3.3	1.2	ppb v/v	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	1.1		0.67	0.24	ppb v/v	1		TO 15 LL	Total/NA
o-Xylene	0.41	J	0.67	0.13	ppb v/v	1		TO 15 LL	Total/NA
t-Butyl alcohol	0.43	J	2.7	0.28	ppb v/v	1		TO 15 LL	Total/NA
Tetrachloroethene	72		0.67	0.10	ppb v/v	1		TO 15 LL	Total/NA
Toluene	2.0		1.0	0.19	ppb v/v	1		TO 15 LL	Total/NA
Trichloroethene	0.45		0.30	0.11	ppb v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.18	J	0.67	0.092	ppb v/v	1		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.67	J	5.1	0.64	ug/m3	1		TO 15 LL	Total/NA
1,2,4-Trimethylbenzene	0.94	J	3.3	0.82	ug/m3	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	3.0	J	7.8	0.58	ug/m3	1		TO 15 LL	Total/NA
Benzene	1.3	J	2.1	0.35	ug/m3	1		TO 15 LL	Total/NA
Chloroform	0.74	J	3.3	0.57	ug/m3	1		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	15		1.3	0.33	ug/m3	1		TO 15 LL	Total/NA
Cyclohexane	1.6	J	5.7	1.1	ug/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	2.1	J	3.3	0.58	ug/m3	1		TO 15 LL	Total/NA
Ethanol	20	J	31	14	ug/m3	1		TO 15 LL	Total/NA
Ethylbenzene	2.1	J	2.9	0.47	ug/m3	1		TO 15 LL	Total/NA
Hexane	4.4	J	5.9	0.73	ug/m3	1		TO 15 LL	Total/NA
Methylene Chloride	11		12	4.1	ug/m3	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	4.8		2.9	1.0	ug/m3	1		TO 15 LL	Total/NA
o-Xylene	1.8	J	2.9	0.54	ug/m3	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-208417-1

Client Sample ID: EFFLUENT 042823 (Continued) — Lab Sample ID: 480-208417-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
t-Butyl alcohol	1.3	J	8.1	0.83	ug/m3	1		TO 15 LL	Total/NA
Tetrachloroethene	490		4.5	0.68	ug/m3	1		TO 15 LL	Total/NA
Toluene	7.7		3.8	0.72	ug/m3	1		TO 15 LL	Total/NA
Trichloroethene	2.4		1.6	0.58	ug/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	1.0	J	3.7	0.52	ug/m3	1		TO 15 LL	Total/NA

Client Sample ID: EDDLUENT DUPLICATE 042823 — Lab Sample ID: 480-208417-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,2,4-Trimethylpentane	0.67	J	2.5	0.19	ppb v/v	1		TO 15 LL	Total/NA
Benzene	0.42	J	1.0	0.16	ppb v/v	1		TO 15 LL	Total/NA
Chloroform	0.32	J	1.0	0.18	ppb v/v	1		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	5.0		0.50	0.13	ppb v/v	1		TO 15 LL	Total/NA
Cyclohexane	0.49	J	2.5	0.46	ppb v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.41	J	1.0	0.18	ppb v/v	1		TO 15 LL	Total/NA
Ethylbenzene	0.62	J	1.0	0.16	ppb v/v	1		TO 15 LL	Total/NA
Hexane	1.4	J	2.5	0.31	ppb v/v	1		TO 15 LL	Total/NA
Methylene Chloride	7.9		5.0	1.8	ppb v/v	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	1.4		1.0	0.36	ppb v/v	1		TO 15 LL	Total/NA
o-Xylene	0.45	J	1.0	0.19	ppb v/v	1		TO 15 LL	Total/NA
t-Butyl alcohol	0.68	J	4.0	0.41	ppb v/v	1		TO 15 LL	Total/NA
Tetrachloroethene	100		1.0	0.15	ppb v/v	1		TO 15 LL	Total/NA
Toluene	2.4		1.5	0.29	ppb v/v	1		TO 15 LL	Total/NA
Trichloroethene	0.55		0.45	0.16	ppb v/v	1		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,2,4-Trimethylpentane	3.1	J	12	0.88	ug/m3	1		TO 15 LL	Total/NA
Benzene	1.3	J	3.2	0.52	ug/m3	1		TO 15 LL	Total/NA
Chloroform	1.6	J	4.9	0.85	ug/m3	1		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	20		2.0	0.50	ug/m3	1		TO 15 LL	Total/NA
Cyclohexane	1.7	J	8.6	1.6	ug/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	2.0	J	4.9	0.87	ug/m3	1		TO 15 LL	Total/NA
Ethylbenzene	2.7	J	4.3	0.71	ug/m3	1		TO 15 LL	Total/NA
Hexane	5.0	J	8.8	1.1	ug/m3	1		TO 15 LL	Total/NA
Methylene Chloride	27		17	6.1	ug/m3	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	5.9		4.3	1.6	ug/m3	1		TO 15 LL	Total/NA
o-Xylene	2.0	J	4.3	0.81	ug/m3	1		TO 15 LL	Total/NA
t-Butyl alcohol	2.1	J	12	1.3	ug/m3	1		TO 15 LL	Total/NA
Tetrachloroethene	700		6.8	1.0	ug/m3	1		TO 15 LL	Total/NA
Toluene	8.9		5.7	1.1	ug/m3	1		TO 15 LL	Total/NA
Trichloroethene	3.0		2.4	0.87	ug/m3	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-208417-1

Client Sample ID: INFLUENT 042823

Lab Sample ID: 480-208417-1

Date Collected: 04/28/23 10:29
Matrix: Air
Date Received: 05/01/23 09:30
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	41	U	41	15	ppb v/v			05/16/23 21:33	413.41
1,1,2,2-Tetrachloroethane	41	U	41	7.2	ppb v/v			05/16/23 21:33	413.41
1,1,2-Trichloroethane	41	U	41	7.8	ppb v/v			05/16/23 21:33	413.41
1,1,2-Trichlorotrifluoroethane	41	U	41	5.2	ppb v/v			05/16/23 21:33	413.41
1,1-Dichloroethane	41	U	41	5.7	ppb v/v			05/16/23 21:33	413.41
1,1-Dichloroethene	21	U	21	6.7	ppb v/v			05/16/23 21:33	413.41
1,2,4-Trichlorobenzene	41	U	41	18	ppb v/v			05/16/23 21:33	413.41
1,2,4-Trimethylbenzene	**12**	**J**	41	10	ppb v/v			05/16/23 21:33	413.41
1,2-Dibromoethane	41	U	41	6.2	ppb v/v			05/16/23 21:33	413.41
1,2-Dichlorobenzene	41	U	41	16	ppb v/v			05/16/23 21:33	413.41
1,2-Dichloroethane	41	U	41	5.2	ppb v/v			05/16/23 21:33	413.41
1,2-Dichloropropane	41	U	41	5.2	ppb v/v			05/16/23 21:33	413.41
1,2-Dichlorotetrafluoroethane	41	U	41	6.2	ppb v/v			05/16/23 21:33	413.41
1,3,5-Trimethylbenzene	83	U	83	34	ppb v/v			05/16/23 21:33	413.41
1,3-Dichlorobenzene	41	U	41	8.3	ppb v/v			05/16/23 21:33	413.41
1,4-Dichlorobenzene	41	U	41	8.3	ppb v/v			05/16/23 21:33	413.41
1,4-Dioxane	100	U	100	16	ppb v/v			05/16/23 21:33	413.41
2,2,4-Trimethylpentane	100	U	100	7.8	ppb v/v			05/16/23 21:33	413.41
2-Butanone	170	U	170	38	ppb v/v			05/16/23 21:33	413.41
4-Methyl-2-pentanone (MIBK)	100	U	100	28	ppb v/v			05/16/23 21:33	413.41
Benzene	41	U	41	6.7	ppb v/v			05/16/23 21:33	413.41
Benzyl chloride	83	U	83	20	ppb v/v			05/16/23 21:33	413.41
Bromodichloromethane	41	U	41	9.3	ppb v/v			05/16/23 21:33	413.41
Bromoform	41	U	41	14	ppb v/v			05/16/23 21:33	413.41
Bromomethane	41	U	41	11	ppb v/v			05/16/23 21:33	413.41
Carbon tetrachloride	17	U	17	6.7	ppb v/v			05/16/23 21:33	413.41
Chlorobenzene	41	U	41	11	ppb v/v			05/16/23 21:33	413.41
Chloroethane	41	U	41	17	ppb v/v			05/16/23 21:33	413.41
Chloroform	41	U	41	7.2	ppb v/v			05/16/23 21:33	413.41
Chloromethane	100	U	100	34	ppb v/v			05/16/23 21:33	413.41
cis-1,2-Dichloroethene	**470**		21	5.2	ppb v/v			05/16/23 21:33	413.41
cis-1,3-Dichloropropene	41	U	41	9.8	ppb v/v			05/16/23 21:33	413.41
Cyclohexane	100	U	100	19	ppb v/v			05/16/23 21:33	413.41
Dibromochloromethane	41	U	41	7.2	ppb v/v			05/16/23 21:33	413.41
Dichlorodifluoromethane	41	U	41	7.2	ppb v/v			05/16/23 21:33	413.41
Ethanol	1000	U	1000	450	ppb v/v			05/16/23 21:33	413.41
Ethylbenzene	41	U	41	6.7	ppb v/v			05/16/23 21:33	413.41
Hexachlorobutadiene	41	U	41	17	ppb v/v			05/16/23 21:33	413.41
Hexane	**18**	**J**	100	13	ppb v/v			05/16/23 21:33	413.41
Methyl tert-butyl ether	83	U	83	27	ppb v/v			05/16/23 21:33	413.41
Methylene Chloride	**180**	**J**	210	72	ppb v/v			05/16/23 21:33	413.41
m-Xylene & p-Xylene	41	U	41	15	ppb v/v			05/16/23 21:33	413.41
Naphthalene	100	U	100	20	ppb v/v			05/16/23 21:33	413.41
o-Xylene	41	U	41	7.8	ppb v/v			05/16/23 21:33	413.41
Styrene	41	U	41	12	ppb v/v			05/16/23 21:33	413.41
t-Butyl alcohol	170	U	170	17	ppb v/v			05/16/23 21:33	413.41
Tetrachloroethene	**2500**		41	6.2	ppb v/v			05/16/23 21:33	413.41
Toluene	62	U	62	12	ppb v/v			05/16/23 21:33	413.41

Client Sample ID: INFLUENT 042823

Lab Sample ID: 480-208417-1

Date Collected: 04/28/23 10:29
Matrix: Air
Date Received: 05/01/23 09:30
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	41	U	41	6.7	ppb v/v			05/16/23 21:33	413.41
trans-1,3-Dichloropropene	41	U	41	10	ppb v/v			05/16/23 21:33	413.41
Trichloroethene	**32**		19	6.7	ppb v/v			05/16/23 21:33	413.41
Trichlorofluoromethane	41	U	41	5.7	ppb v/v			05/16/23 21:33	413.41
Vinyl chloride	21	U	21	13	ppb v/v			05/16/23 21:33	413.41

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	230	U	230	82	ug/m3			05/16/23 21:33	413.41
1,1,2,2-Tetrachloroethane	280	U	280	50	ug/m3			05/16/23 21:33	413.41
1,1,2-Trichloroethane	230	U	230	42	ug/m3			05/16/23 21:33	413.41
1,1,2-Trichlorotrifluoroethane	320	U	320	40	ug/m3			05/16/23 21:33	413.41
1,1-Dichloroethane	170	U	170	23	ug/m3			05/16/23 21:33	413.41
1,1-Dichloroethene	82	U	82	27	ug/m3			05/16/23 21:33	413.41
1,2,4-Trichlorobenzene	310	U	310	130	ug/m3			05/16/23 21:33	413.41
1,2,4-Trimethylbenzene	**61**	**J**	200	51	ug/m3			05/16/23 21:33	413.41
1,2-Dibromoethane	320	U	320	48	ug/m3			05/16/23 21:33	413.41
1,2-Dichlorobenzene	250	U	250	96	ug/m3			05/16/23 21:33	413.41
1,2-Dichloroethane	170	U	170	21	ug/m3			05/16/23 21:33	413.41
1,2-Dichloropropane	190	U	190	24	ug/m3			05/16/23 21:33	413.41
1,2-Dichlorotetrafluoroethane	290	U	290	43	ug/m3			05/16/23 21:33	413.41
1,3,5-Trimethylbenzene	410	U	410	170	ug/m3			05/16/23 21:33	413.41
1,3-Dichlorobenzene	250	U	250	50	ug/m3			05/16/23 21:33	413.41
1,4-Dichlorobenzene	250	U	250	50	ug/m3			05/16/23 21:33	413.41
1,4-Dioxane	370	U	370	56	ug/m3			05/16/23 21:33	413.41
2,2,4-Trimethylpentane	480	U	480	36	ug/m3			05/16/23 21:33	413.41
2-Butanone	490	U	490	110	ug/m3			05/16/23 21:33	413.41
4-Methyl-2-pentanone (MIBK)	420	U	420	110	ug/m3			05/16/23 21:33	413.41
Benzene	130	U	130	21	ug/m3			05/16/23 21:33	413.41
Benzyl chloride	430	U	430	100	ug/m3			05/16/23 21:33	413.41
Bromodichloromethane	280	U	280	62	ug/m3			05/16/23 21:33	413.41
Bromoform	430	U	430	140	ug/m3			05/16/23 21:33	413.41
Bromomethane	160	U	160	44	ug/m3			05/16/23 21:33	413.41
Carbon tetrachloride	100	U	100	42	ug/m3			05/16/23 21:33	413.41
Chlorobenzene	190	U	190	52	ug/m3			05/16/23 21:33	413.41
Chloroethane	110	U	110	44	ug/m3			05/16/23 21:33	413.41
Chloroform	200	U	200	35	ug/m3			05/16/23 21:33	413.41
Chloromethane	210	U	210	70	ug/m3			05/16/23 21:33	413.41
cis-1,2-Dichloroethene	**1900**		82	20	ug/m3			05/16/23 21:33	413.41
cis-1,3-Dichloropropene	190	U	190	45	ug/m3			05/16/23 21:33	413.41
Cyclohexane	360	U	360	66	ug/m3			05/16/23 21:33	413.41
Dibromochloromethane	350	U	350	62	ug/m3			05/16/23 21:33	413.41
Dichlorodifluoromethane	200	U	200	36	ug/m3			05/16/23 21:33	413.41
Ethanol	1900	U	1900	850	ug/m3			05/16/23 21:33	413.41
Ethylbenzene	180	U	180	29	ug/m3			05/16/23 21:33	413.41
Hexachlorobutadiene	440	U	440	180	ug/m3			05/16/23 21:33	413.41
Hexane	**65**	**J**	360	46	ug/m3			05/16/23 21:33	413.41
Methyl tert-butyl ether	300	U	300	97	ug/m3			05/16/23 21:33	413.41
Methylene Chloride	**620**	**J**	720	250	ug/m3			05/16/23 21:33	413.41
m-Xylene & p-Xylene	180	U	180	65	ug/m3			05/16/23 21:33	413.41

Client Sample ID: INFLUENT 042823

Lab Sample ID: 480-208417-1
Matrix: Air

Date Collected: 04/28/23 10:29
Date Received: 05/01/23 09:30
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	540	U	540	110	ug/m3			05/16/23 21:33	413.41
o-Xylene	180	U	180	34	ug/m3			05/16/23 21:33	413.41
Styrene	180	U	180	53	ug/m3			05/16/23 21:33	413.41
t-Butyl alcohol	500	U	500	52	ug/m3			05/16/23 21:33	413.41
Tetrachloroethene	**17000**		280	42	ug/m3			05/16/23 21:33	413.41
Toluene	230	U	230	45	ug/m3			05/16/23 21:33	413.41
trans-1,2-Dichloroethene	160	U	160	27	ug/m3			05/16/23 21:33	413.41
trans-1,3-Dichloropropene	190	U	190	47	ug/m3			05/16/23 21:33	413.41
Trichloroethene	**170**		100	36	ug/m3			05/16/23 21:33	413.41
Trichlorofluoromethane	230	U	230	32	ug/m3			05/16/23 21:33	413.41
Vinyl chloride	53	U	53	34	ug/m3			05/16/23 21:33	413.41

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 140*		*05/16/23 21:33*	*413.41*

Client Sample ID: EFFLUENT 042823

Lab Sample ID: 480-208417-2
Matrix: Air

Date Collected: 04/28/23 10:41
Date Received: 05/01/23 09:30
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.67	U	0.67	0.24	ppb v/v			05/17/23 16:40	1
1,1,2,2-Tetrachloroethane	0.67	U	0.67	0.12	ppb v/v			05/17/23 16:40	1
1,1,2-Trichloroethane	0.67	U	0.67	0.13	ppb v/v			05/17/23 16:40	1
1,1,2-Trichlorotrifluoroethane	**0.087**	**J**	0.67	0.083	ppb v/v			05/17/23 16:40	1
1,1-Dichloroethane	0.67	U	0.67	0.092	ppb v/v			05/17/23 16:40	1
1,1-Dichloroethene	0.33	U	0.33	0.11	ppb v/v			05/17/23 16:40	1
1,2,4-Trichlorobenzene	0.67	U	0.67	0.29	ppb v/v			05/17/23 16:40	1
1,2,4-Trimethylbenzene	**0.19**	**J**	0.67	0.17	ppb v/v			05/17/23 16:40	1
1,2-Dibromoethane	0.67	U	0.67	0.10	ppb v/v			05/17/23 16:40	1
1,2-Dichlorobenzene	0.67	U	0.67	0.26	ppb v/v			05/17/23 16:40	1
1,2-Dichloroethane	0.67	U	0.67	0.083	ppb v/v			05/17/23 16:40	1
1,2-Dichloropropane	0.67	U	0.67	0.083	ppb v/v			05/17/23 16:40	1
1,2-Dichlorotetrafluoroethane	0.67	U	0.67	0.10	ppb v/v			05/17/23 16:40	1
1,3,5-Trimethylbenzene	1.3	U	1.3	0.54	ppb v/v			05/17/23 16:40	1
1,3-Dichlorobenzene	0.67	U	0.67	0.13	ppb v/v			05/17/23 16:40	1
1,4-Dichlorobenzene	0.67	U	0.67	0.13	ppb v/v			05/17/23 16:40	1
1,4-Dioxane	1.7	U	1.7	0.25	ppb v/v			05/17/23 16:40	1
2,2,4-Trimethylpentane	**0.64**	**J**	1.7	0.13	ppb v/v			05/17/23 16:40	1
2-Butanone	2.7	U	2.7	0.61	ppb v/v			05/17/23 16:40	1
4-Methyl-2-pentanone (MIBK)	1.7	U	1.7	0.45	ppb v/v			05/17/23 16:40	1
Benzene	**0.40**	**J**	0.67	0.11	ppb v/v			05/17/23 16:40	1
Benzyl chloride	1.3	U	1.3	0.32	ppb v/v			05/17/23 16:40	1
Bromodichloromethane	0.67	U	0.67	0.15	ppb v/v			05/17/23 16:40	1
Bromoform	0.67	U	0.67	0.23	ppb v/v			05/17/23 16:40	1
Bromomethane	0.67	U	0.67	0.18	ppb v/v			05/17/23 16:40	1
Carbon tetrachloride	0.27	U *+	0.27	0.11	ppb v/v			05/17/23 16:40	1
Chlorobenzene	0.67	U	0.67	0.18	ppb v/v			05/17/23 16:40	1

Client Sample ID: EFFLUENT 042823

Lab Sample ID: 480-208417-2

Date Collected: 04/28/23 10:41
Matrix: Air
Date Received: 05/01/23 09:30
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.67	U	0.67	0.27	ppb v/v			05/17/23 16:40	1
Chloroform	**0.15**	**J**	0.67	0.12	ppb v/v			05/17/23 16:40	1
Chloromethane	1.7	U	1.7	0.55	ppb v/v			05/17/23 16:40	1
cis-1,2-Dichloroethene	**3.8**		0.33	0.083	ppb v/v			05/17/23 16:40	1
cis-1,3-Dichloropropene	0.67	U	0.67	0.16	ppb v/v			05/17/23 16:40	1
Cyclohexane	**0.47**	**J**	1.7	0.31	ppb v/v			05/17/23 16:40	1
Dibromochloromethane	0.67	U	0.67	0.12	ppb v/v			05/17/23 16:40	1
Dichlorodifluoromethane	**0.42**	**J**	0.67	0.12	ppb v/v			05/17/23 16:40	1
Ethanol	**11**	**J**	17	7.3	ppb v/v			05/17/23 16:40	1
Ethylbenzene	**0.48**	**J**	0.67	0.11	ppb v/v			05/17/23 16:40	1
Hexachlorobutadiene	0.67	U	0.67	0.27	ppb v/v			05/17/23 16:40	1
Hexane	**1.3**	**J**	1.7	0.21	ppb v/v			05/17/23 16:40	1
Methyl tert-butyl ether	1.3	U	1.3	0.43	ppb v/v			05/17/23 16:40	1
Methylene Chloride	**3.3**		3.3	1.2	ppb v/v			05/17/23 16:40	1
m-Xylene & p-Xylene	**1.1**		0.67	0.24	ppb v/v			05/17/23 16:40	1
Naphthalene	1.7	U	1.7	0.33	ppb v/v			05/17/23 16:40	1
o-Xylene	**0.41**	**J**	0.67	0.13	ppb v/v			05/17/23 16:40	1
Styrene	0.67	U	0.67	0.20	ppb v/v			05/17/23 16:40	1
t-Butyl alcohol	**0.43**	**J**	2.7	0.28	ppb v/v			05/17/23 16:40	1
Tetrachloroethene	**72**		0.67	0.10	ppb v/v			05/17/23 16:40	1
Toluene	**2.0**		1.0	0.19	ppb v/v			05/17/23 16:40	1
trans-1,2-Dichloroethene	0.67	U	0.67	0.11	ppb v/v			05/17/23 16:40	1
trans-1,3-Dichloropropene	0.67	U	0.67	0.17	ppb v/v			05/17/23 16:40	1
Trichloroethene	**0.45**		0.30	0.11	ppb v/v			05/17/23 16:40	1
Trichlorofluoromethane	**0.18**	**J**	0.67	0.092	ppb v/v			05/17/23 16:40	1
Vinyl chloride	0.33	U	0.33	0.22	ppb v/v			05/17/23 16:40	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.6	U	3.6	1.3	ug/m3			05/17/23 16:40	1
1,1,2,2-Tetrachloroethane	4.6	U	4.6	0.80	ug/m3			05/17/23 16:40	1
1,1,2-Trichloroethane	3.6	U	3.6	0.68	ug/m3			05/17/23 16:40	1
1,1,2-Trichlorotrifluoroethane	**0.67**	**J**	5.1	0.64	ug/m3			05/17/23 16:40	1
1,1-Dichloroethane	2.7	U	2.7	0.37	ug/m3			05/17/23 16:40	1
1,1-Dichloroethene	1.3	U	1.3	0.43	ug/m3			05/17/23 16:40	1
1,2,4-Trichlorobenzene	4.9	U	4.9	2.2	ug/m3			05/17/23 16:40	1
1,2,4-Trimethylbenzene	**0.94**	**J**	3.3	0.82	ug/m3			05/17/23 16:40	1
1,2-Dibromoethane	5.1	U	5.1	0.77	ug/m3			05/17/23 16:40	1
1,2-Dichlorobenzene	4.0	U	4.0	1.6	ug/m3			05/17/23 16:40	1
1,2-Dichloroethane	2.7	U	2.7	0.34	ug/m3			05/17/23 16:40	1
1,2-Dichloropropane	3.1	U	3.1	0.39	ug/m3			05/17/23 16:40	1
1,2-Dichlorotetrafluoroethane	4.7	U	4.7	0.70	ug/m3			05/17/23 16:40	1
1,3,5-Trimethylbenzene	6.6	U	6.6	2.7	ug/m3			05/17/23 16:40	1
1,3-Dichlorobenzene	4.0	U	4.0	0.80	ug/m3			05/17/23 16:40	1
1,4-Dichlorobenzene	4.0	U	4.0	0.80	ug/m3			05/17/23 16:40	1
1,4-Dioxane	6.0	U	6.0	0.90	ug/m3			05/17/23 16:40	1
2,2,4-Trimethylpentane	**3.0**	**J**	7.8	0.58	ug/m3			05/17/23 16:40	1
2-Butanone	7.9	U	7.9	1.8	ug/m3			05/17/23 16:40	1
4-Methyl-2-pentanone (MIBK)	6.8	U	6.8	1.8	ug/m3			05/17/23 16:40	1
Benzene	**1.3**	**J**	2.1	0.35	ug/m3			05/17/23 16:40	1

Client Sample ID: EFFLUENT 042823

Lab Sample ID: 480-208417-2

Date Collected: 04/28/23 10:41
Matrix: Air
Date Received: 05/01/23 09:30
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	6.9	U	6.9	1.6	ug/m3			05/17/23 16:40	1
Bromodichloromethane	4.5	U	4.5	1.0	ug/m3			05/17/23 16:40	1
Bromoform	6.9	U	6.9	2.3	ug/m3			05/17/23 16:40	1
Bromomethane	2.6	U	2.6	0.71	ug/m3			05/17/23 16:40	1
Carbon tetrachloride	1.7	U *+	1.7	0.68	ug/m3			05/17/23 16:40	1
Chlorobenzene	3.1	U	3.1	0.84	ug/m3			05/17/23 16:40	1
Chloroethane	1.8	U	1.8	0.70	ug/m3			05/17/23 16:40	1
Chloroform	**0.74**	**J**	3.3	0.57	ug/m3			05/17/23 16:40	1
Chloromethane	3.4	U	3.4	1.1	ug/m3			05/17/23 16:40	1
cis-1,2-Dichloroethene	**15**		1.3	0.33	ug/m3			05/17/23 16:40	1
cis-1,3-Dichloropropene	3.0	U	3.0	0.72	ug/m3			05/17/23 16:40	1
Cyclohexane	**1.6**	**J**	5.7	1.1	ug/m3			05/17/23 16:40	1
Dibromochloromethane	5.7	U	5.7	0.99	ug/m3			05/17/23 16:40	1
Dichlorodifluoromethane	**2.1**	**J**	3.3	0.58	ug/m3			05/17/23 16:40	1
Ethanol	**20**	**J**	31	14	ug/m3			05/17/23 16:40	1
Ethylbenzene	**2.1**	**J**	2.9	0.47	ug/m3			05/17/23 16:40	1
Hexachlorobutadiene	7.1	U	7.1	2.8	ug/m3			05/17/23 16:40	1
Hexane	**4.4**	**J**	5.9	0.73	ug/m3			05/17/23 16:40	1
Methyl tert-butyl ether	4.8	U	4.8	1.6	ug/m3			05/17/23 16:40	1
Methylene Chloride	**11**		12	4.1	ug/m3			05/17/23 16:40	1
m-Xylene & p-Xylene	**4.8**		2.9	1.0	ug/m3			05/17/23 16:40	1
Naphthalene	8.7	U	8.7	1.7	ug/m3			05/17/23 16:40	1
o-Xylene	**1.8**	**J**	2.9	0.54	ug/m3			05/17/23 16:40	1
Styrene	2.8	U	2.8	0.85	ug/m3			05/17/23 16:40	1
t-Butyl alcohol	**1.3**	**J**	8.1	0.83	ug/m3			05/17/23 16:40	1
Tetrachloroethene	**490**		4.5	0.68	ug/m3			05/17/23 16:40	1
Toluene	**7.7**		3.8	0.72	ug/m3			05/17/23 16:40	1
trans-1,2-Dichloroethene	2.6	U	2.6	0.43	ug/m3			05/17/23 16:40	1
trans-1,3-Dichloropropene	3.0	U	3.0	0.76	ug/m3			05/17/23 16:40	1
Trichloroethene	**2.4**		1.6	0.58	ug/m3			05/17/23 16:40	1
Trichlorofluoromethane	**1.0**	**J**	3.7	0.52	ug/m3			05/17/23 16:40	1
Vinyl chloride	0.85	U	0.85	0.55	ug/m3			05/17/23 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 140*		*05/17/23 16:40*	*1*

Client Sample ID: EDDLUENT DUPLICATE 042823

Lab Sample ID: 480-208417-3

Date Collected: 04/28/23 10:41
Matrix: Air
Date Received: 05/01/23 09:30
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.36	ppb v/v			05/17/23 17:27	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ppb v/v			05/17/23 17:27	1
1,1,2-Trichloroethane	1.0	U	1.0	0.19	ppb v/v			05/17/23 17:27	1
1,1,2-Trichlorotrifluoroethane	1.0	U	1.0	0.13	ppb v/v			05/17/23 17:27	1
1,1-Dichloroethane	1.0	U	1.0	0.14	ppb v/v			05/17/23 17:27	1
1,1-Dichloroethene	0.50	U	0.50	0.16	ppb v/v			05/17/23 17:27	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-208417-1

Client Sample ID: EDDLUENT DUPLICATE 042823

Lab Sample ID: 480-208417-3

Date Collected: 04/28/23 10:41
Matrix: Air
Date Received: 05/01/23 09:30
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0	0.44	ppb v/v			05/17/23 17:27	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.25	ppb v/v			05/17/23 17:27	1
1,2-Dibromoethane	1.0	U	1.0	0.15	ppb v/v			05/17/23 17:27	1
1,2-Dichlorobenzene	1.0	U	1.0	0.39	ppb v/v			05/17/23 17:27	1
1,2-Dichloroethane	1.0	U	1.0	0.13	ppb v/v			05/17/23 17:27	1
1,2-Dichloropropane	1.0	U	1.0	0.13	ppb v/v			05/17/23 17:27	1
1,2-Dichlorotetrafluoroethane	1.0	U	1.0	0.15	ppb v/v			05/17/23 17:27	1
1,3,5-Trimethylbenzene	2.0	U	2.0	0.81	ppb v/v			05/17/23 17:27	1
1,3-Dichlorobenzene	1.0	U	1.0	0.20	ppb v/v			05/17/23 17:27	1
1,4-Dichlorobenzene	1.0	U	1.0	0.20	ppb v/v			05/17/23 17:27	1
1,4-Dioxane	2.5	U	2.5	0.38	ppb v/v			05/17/23 17:27	1
2,2,4-Trimethylpentane	**0.67**	**J**	2.5	0.19	ppb v/v			05/17/23 17:27	1
2-Butanone	4.0	U	4.0	0.91	ppb v/v			05/17/23 17:27	1
4-Methyl-2-pentanone (MIBK)	2.5	U	2.5	0.68	ppb v/v			05/17/23 17:27	1
Benzene	**0.42**	**J**	1.0	0.16	ppb v/v			05/17/23 17:27	1
Benzyl chloride	2.0	U	2.0	0.48	ppb v/v			05/17/23 17:27	1
Bromodichloromethane	1.0	U	1.0	0.23	ppb v/v			05/17/23 17:27	1
Bromoform	1.0	U	1.0	0.34	ppb v/v			05/17/23 17:27	1
Bromomethane	1.0	U	1.0	0.28	ppb v/v			05/17/23 17:27	1
Carbon tetrachloride	0.40	U *+	0.40	0.16	ppb v/v			05/17/23 17:27	1
Chlorobenzene	1.0	U	1.0	0.28	ppb v/v			05/17/23 17:27	1
Chloroethane	1.0	U	1.0	0.40	ppb v/v			05/17/23 17:27	1
Chloroform	**0.32**	**J**	1.0	0.18	ppb v/v			05/17/23 17:27	1
Chloromethane	2.5	U	2.5	0.83	ppb v/v			05/17/23 17:27	1
cis-1,2-Dichloroethene	**5.0**		0.50	0.13	ppb v/v			05/17/23 17:27	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.24	ppb v/v			05/17/23 17:27	1
Cyclohexane	**0.49**	**J**	2.5	0.46	ppb v/v			05/17/23 17:27	1
Dibromochloromethane	1.0	U	1.0	0.18	ppb v/v			05/17/23 17:27	1
Dichlorodifluoromethane	**0.41**	**J**	1.0	0.18	ppb v/v			05/17/23 17:27	1
Ethanol	25	U	25	11	ppb v/v			05/17/23 17:27	1
Ethylbenzene	**0.62**	**J**	1.0	0.16	ppb v/v			05/17/23 17:27	1
Hexachlorobutadiene	1.0	U	1.0	0.40	ppb v/v			05/17/23 17:27	1
Hexane	**1.4**	**J**	2.5	0.31	ppb v/v			05/17/23 17:27	1
Methyl tert-butyl ether	2.0	U	2.0	0.65	ppb v/v			05/17/23 17:27	1
Methylene Chloride	**7.9**		5.0	1.8	ppb v/v			05/17/23 17:27	1
m-Xylene & p-Xylene	**1.4**		1.0	0.36	ppb v/v			05/17/23 17:27	1
Naphthalene	2.5	U	2.5	0.49	ppb v/v			05/17/23 17:27	1
o-Xylene	**0.45**	**J**	1.0	0.19	ppb v/v			05/17/23 17:27	1
Styrene	1.0	U	1.0	0.30	ppb v/v			05/17/23 17:27	1
t-Butyl alcohol	**0.68**	**J**	4.0	0.41	ppb v/v			05/17/23 17:27	1
Tetrachloroethene	**100**		1.0	0.15	ppb v/v			05/17/23 17:27	1
Toluene	**2.4**		1.5	0.29	ppb v/v			05/17/23 17:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.16	ppb v/v			05/17/23 17:27	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.25	ppb v/v			05/17/23 17:27	1
Trichloroethene	**0.55**		0.45	0.16	ppb v/v			05/17/23 17:27	1
Trichlorofluoromethane	1.0	U	1.0	0.14	ppb v/v			05/17/23 17:27	1
Vinyl chloride	0.50	U	0.50	0.33	ppb v/v			05/17/23 17:27	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-208417-1

Client Sample ID: EDDLUENT DUPLICATE 042823

Lab Sample ID: 480-208417-3

Date Collected: 04/28/23 10:41
Matrix: Air
Date Received: 05/01/23 09:30
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.5	U	5.5	2.0	ug/m3			05/17/23 17:27	1
1,1,2,2-Tetrachloroethane	6.9	U	6.9	1.2	ug/m3			05/17/23 17:27	1
1,1,2-Trichloroethane	5.5	U	5.5	1.0	ug/m3			05/17/23 17:27	1
1,1,2-Trichlorotrifluoroethane	7.7	U	7.7	0.96	ug/m3			05/17/23 17:27	1
1,1-Dichloroethane	4.0	U	4.0	0.56	ug/m3			05/17/23 17:27	1
1,1-Dichloroethene	2.0	U	2.0	0.64	ug/m3			05/17/23 17:27	1
1,2,4-Trichlorobenzene	7.4	U	7.4	3.2	ug/m3			05/17/23 17:27	1
1,2,4-Trimethylbenzene	4.9	U	4.9	1.2	ug/m3			05/17/23 17:27	1
1,2-Dibromoethane	7.7	U	7.7	1.2	ug/m3			05/17/23 17:27	1
1,2-Dichlorobenzene	6.0	U	6.0	2.3	ug/m3			05/17/23 17:27	1
1,2-Dichloroethane	4.0	U	4.0	0.51	ug/m3			05/17/23 17:27	1
1,2-Dichloropropane	4.6	U	4.6	0.58	ug/m3			05/17/23 17:27	1
1,2-Dichlorotetrafluoroethane	7.0	U	7.0	1.0	ug/m3			05/17/23 17:27	1
1,3,5-Trimethylbenzene	9.8	U	9.8	4.0	ug/m3			05/17/23 17:27	1
1,3-Dichlorobenzene	6.0	U	6.0	1.2	ug/m3			05/17/23 17:27	1
1,4-Dichlorobenzene	6.0	U	6.0	1.2	ug/m3			05/17/23 17:27	1
1,4-Dioxane	9.0	U	9.0	1.4	ug/m3			05/17/23 17:27	1
2,2,4-Trimethylpentane	**3.1**	**J**	12	0.88	ug/m3			05/17/23 17:27	1
2-Butanone	12	U	12	2.7	ug/m3			05/17/23 17:27	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.8	ug/m3			05/17/23 17:27	1
Benzene	**1.3**	**J**	3.2	0.52	ug/m3			05/17/23 17:27	1
Benzyl chloride	10	U	10	2.5	ug/m3			05/17/23 17:27	1
Bromodichloromethane	6.7	U	6.7	1.5	ug/m3			05/17/23 17:27	1
Bromoform	10	U	10	3.5	ug/m3			05/17/23 17:27	1
Bromomethane	3.9	U	3.9	1.1	ug/m3			05/17/23 17:27	1
Carbon tetrachloride	2.5	U *+	2.5	1.0	ug/m3			05/17/23 17:27	1
Chlorobenzene	4.6	U	4.6	1.3	ug/m3			05/17/23 17:27	1
Chloroethane	2.6	U	2.6	1.1	ug/m3			05/17/23 17:27	1
Chloroform	**1.6**	**J**	4.9	0.85	ug/m3			05/17/23 17:27	1
Chloromethane	5.2	U	5.2	1.7	ug/m3			05/17/23 17:27	1
cis-1,2-Dichloroethene	**20**		2.0	0.50	ug/m3			05/17/23 17:27	1
cis-1,3-Dichloropropene	4.5	U	4.5	1.1	ug/m3			05/17/23 17:27	1
Cyclohexane	**1.7**	**J**	8.6	1.6	ug/m3			05/17/23 17:27	1
Dibromochloromethane	8.5	U	8.5	1.5	ug/m3			05/17/23 17:27	1
Dichlorodifluoromethane	**2.0**	**J**	4.9	0.87	ug/m3			05/17/23 17:27	1
Ethanol	47	U	47	20	ug/m3			05/17/23 17:27	1
Ethylbenzene	**2.7**	**J**	4.3	0.71	ug/m3			05/17/23 17:27	1
Hexachlorobutadiene	11	U	11	4.3	ug/m3			05/17/23 17:27	1
Hexane	**5.0**	**J**	8.8	1.1	ug/m3			05/17/23 17:27	1
Methyl tert-butyl ether	7.2	U	7.2	2.3	ug/m3			05/17/23 17:27	1
Methylene Chloride	**27**		17	6.1	ug/m3			05/17/23 17:27	1
m-Xylene & p-Xylene	**5.9**		4.3	1.6	ug/m3			05/17/23 17:27	1
Naphthalene	13	U	13	2.6	ug/m3			05/17/23 17:27	1
o-Xylene	**2.0**	**J**	4.3	0.81	ug/m3			05/17/23 17:27	1
Styrene	4.3	U	4.3	1.3	ug/m3			05/17/23 17:27	1
t-Butyl alcohol	**2.1**	**J**	12	1.3	ug/m3			05/17/23 17:27	1
Tetrachloroethene	**700**		6.8	1.0	ug/m3			05/17/23 17:27	1
Toluene	**8.9**		5.7	1.1	ug/m3			05/17/23 17:27	1
trans-1,2-Dichloroethene	4.0	U	4.0	0.64	ug/m3			05/17/23 17:27	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-208417-1

Client Sample ID: EDDLUENT DUPLICATE 042823

Lab Sample ID: 480-208417-3

Date Collected: 04/28/23 10:41
Date Received: 05/01/23 09:30
Sample Container: Summa Canister 6L

Matrix: Air

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	4.5	U	4.5	1.1	ug/m3			05/17/23 17:27	1
Trichloroethene	**3.0**		2.4	0.87	ug/m3			05/17/23 17:27	1
Trichlorofluoromethane	5.6	U	5.6	0.77	ug/m3			05/17/23 17:27	1
Vinyl chloride	1.3	U	1.3	0.83	ug/m3			05/17/23 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 140*		*05/17/23 17:27*	*1*

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-208417-1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Matrix: Air **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**BFB (60-140)**							
480-208417-1	INFLUENT 042823	87							
480-208417-2	EFFLUENT 042823	89							
480-208417-3	EDDLUENT DUPLICATE 04282	87							
LCS 140-73254/1002	Lab Control Sample	98							
LCS 140-73282/1002	Lab Control Sample	97							
MB 140-73254/5	Method Blank	85							
MB 140-73282/5	Method Blank	85							

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Lab Sample ID: MB 140-73254/5
Matrix: Air
Analysis Batch: 73254

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.080	U	0.080	0.029	ppb v/v			05/16/23 09:27	1
1,1,2,2-Tetrachloroethane	0.080	U	0.080	0.014	ppb v/v			05/16/23 09:27	1
1,1,2-Trichloroethane	0.080	U	0.080	0.015	ppb v/v			05/16/23 09:27	1
1,1,2-Trichlorotrifluoroethane	0.080	U	0.080	0.010	ppb v/v			05/16/23 09:27	1
1,1-Dichloroethane	0.080	U	0.080	0.011	ppb v/v			05/16/23 09:27	1
1,1-Dichloroethene	0.040	U	0.040	0.013	ppb v/v			05/16/23 09:27	1
1,2,4-Trichlorobenzene	0.080	U	0.080	0.035	ppb v/v			05/16/23 09:27	1
1,2,4-Trimethylbenzene	0.080	U	0.080	0.020	ppb v/v			05/16/23 09:27	1
1,2-Dibromoethane	0.080	U	0.080	0.012	ppb v/v			05/16/23 09:27	1
1,2-Dichlorobenzene	0.080	U	0.080	0.031	ppb v/v			05/16/23 09:27	1
1,2-Dichloroethane	0.080	U	0.080	0.010	ppb v/v			05/16/23 09:27	1
1,2-Dichloropropane	0.080	U	0.080	0.010	ppb v/v			05/16/23 09:27	1
1,2-Dichlorotetrafluoroethane	0.080	U	0.080	0.012	ppb v/v			05/16/23 09:27	1
1,3,5-Trimethylbenzene	0.16	U	0.16	0.065	ppb v/v			05/16/23 09:27	1
1,3-Dichlorobenzene	0.080	U	0.080	0.016	ppb v/v			05/16/23 09:27	1
1,4-Dichlorobenzene	0.080	U	0.080	0.016	ppb v/v			05/16/23 09:27	1
1,4-Dioxane	0.20	U	0.20	0.030	ppb v/v			05/16/23 09:27	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.015	ppb v/v			05/16/23 09:27	1
2-Butanone	0.32	U	0.32	0.073	ppb v/v			05/16/23 09:27	1
4-Methyl-2-pentanone (MIBK)	0.20	U	0.20	0.054	ppb v/v			05/16/23 09:27	1
Benzene	0.080	U	0.080	0.013	ppb v/v			05/16/23 09:27	1
Benzyl chloride	0.16	U	0.16	0.038	ppb v/v			05/16/23 09:27	1
Bromodichloromethane	0.080	U	0.080	0.018	ppb v/v			05/16/23 09:27	1
Bromoform	0.080	U	0.080	0.027	ppb v/v			05/16/23 09:27	1
Bromomethane	0.080	U	0.080	0.022	ppb v/v			05/16/23 09:27	1
Carbon tetrachloride	0.032	U	0.032	0.013	ppb v/v			05/16/23 09:27	1
Chlorobenzene	0.080	U	0.080	0.022	ppb v/v			05/16/23 09:27	1
Chloroethane	0.080	U	0.080	0.032	ppb v/v			05/16/23 09:27	1
Chloroform	0.080	U	0.080	0.014	ppb v/v			05/16/23 09:27	1
Chloromethane	0.20	U	0.20	0.066	ppb v/v			05/16/23 09:27	1
cis-1,2-Dichloroethene	0.040	U	0.040	0.010	ppb v/v			05/16/23 09:27	1
cis-1,3-Dichloropropene	0.080	U	0.080	0.019	ppb v/v			05/16/23 09:27	1
Cyclohexane	0.20	U	0.20	0.037	ppb v/v			05/16/23 09:27	1
Dibromochloromethane	0.080	U	0.080	0.014	ppb v/v			05/16/23 09:27	1
Dichlorodifluoromethane	0.080	U	0.080	0.014	ppb v/v			05/16/23 09:27	1
Ethanol	2.0	U	2.0	0.87	ppb v/v			05/16/23 09:27	1
Ethylbenzene	0.080	U	0.080	0.013	ppb v/v			05/16/23 09:27	1
Hexachlorobutadiene	0.080	U	0.080	0.032	ppb v/v			05/16/23 09:27	1
Hexane	0.20	U	0.20	0.025	ppb v/v			05/16/23 09:27	1
Methyl tert-butyl ether	0.16	U	0.16	0.052	ppb v/v			05/16/23 09:27	1
Methylene Chloride	0.40	U	0.40	0.14	ppb v/v			05/16/23 09:27	1
m-Xylene & p-Xylene	0.080	U	0.080	0.029	ppb v/v			05/16/23 09:27	1
Naphthalene	0.20	U	0.20	0.039	ppb v/v			05/16/23 09:27	1
o-Xylene	0.080	U	0.080	0.015	ppb v/v			05/16/23 09:27	1
Styrene	0.080	U	0.080	0.024	ppb v/v			05/16/23 09:27	1
t-Butyl alcohol	0.32	U	0.32	0.033	ppb v/v			05/16/23 09:27	1
Tetrachloroethene	0.080	U	0.080	0.012	ppb v/v			05/16/23 09:27	1
Toluene	0.12	U	0.12	0.023	ppb v/v			05/16/23 09:27	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 140-73254/5
Matrix: Air
Analysis Batch: 73254

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.080	U	0.080	0.013	ppb v/v			05/16/23 09:27	1
trans-1,3-Dichloropropene	0.080	U	0.080	0.020	ppb v/v			05/16/23 09:27	1
Trichloroethene	0.036	U	0.036	0.013	ppb v/v			05/16/23 09:27	1
Trichlorofluoromethane	0.080	U	0.080	0.011	ppb v/v			05/16/23 09:27	1
Vinyl chloride	0.040	U	0.040	0.026	ppb v/v			05/16/23 09:27	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.44	U	0.44	0.16	ug/m3			05/16/23 09:27	1
1,1,2,2-Tetrachloroethane	0.55	U	0.55	0.096	ug/m3			05/16/23 09:27	1
1,1,2-Trichloroethane	0.44	U	0.44	0.082	ug/m3			05/16/23 09:27	1
1,1,2-Trichlorotrifluoroethane	0.61	U	0.61	0.077	ug/m3			05/16/23 09:27	1
1,1-Dichloroethane	0.32	U	0.32	0.045	ug/m3			05/16/23 09:27	1
1,1-Dichloroethene	0.16	U	0.16	0.052	ug/m3			05/16/23 09:27	1
1,2,4-Trichlorobenzene	0.59	U	0.59	0.26	ug/m3			05/16/23 09:27	1
1,2,4-Trimethylbenzene	0.39	U	0.39	0.098	ug/m3			05/16/23 09:27	1
1,2-Dibromoethane	0.61	U	0.61	0.092	ug/m3			05/16/23 09:27	1
1,2-Dichlorobenzene	0.48	U	0.48	0.19	ug/m3			05/16/23 09:27	1
1,2-Dichloroethane	0.32	U	0.32	0.040	ug/m3			05/16/23 09:27	1
1,2-Dichloropropane	0.37	U	0.37	0.046	ug/m3			05/16/23 09:27	1
1,2-Dichlorotetrafluoroethane	0.56	U	0.56	0.084	ug/m3			05/16/23 09:27	1
1,3,5-Trimethylbenzene	0.79	U	0.79	0.32	ug/m3			05/16/23 09:27	1
1,3-Dichlorobenzene	0.48	U	0.48	0.096	ug/m3			05/16/23 09:27	1
1,4-Dichlorobenzene	0.48	U	0.48	0.096	ug/m3			05/16/23 09:27	1
1,4-Dioxane	0.72	U	0.72	0.11	ug/m3			05/16/23 09:27	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.070	ug/m3			05/16/23 09:27	1
2-Butanone	0.94	U	0.94	0.22	ug/m3			05/16/23 09:27	1
4-Methyl-2-pentanone (MIBK)	0.82	U	0.82	0.22	ug/m3			05/16/23 09:27	1
Benzene	0.26	U	0.26	0.042	ug/m3			05/16/23 09:27	1
Benzyl chloride	0.83	U	0.83	0.20	ug/m3			05/16/23 09:27	1
Bromodichloromethane	0.54	U	0.54	0.12	ug/m3			05/16/23 09:27	1
Bromoform	0.83	U	0.83	0.28	ug/m3			05/16/23 09:27	1
Bromomethane	0.31	U	0.31	0.085	ug/m3			05/16/23 09:27	1
Carbon tetrachloride	0.20	U	0.20	0.082	ug/m3			05/16/23 09:27	1
Chlorobenzene	0.37	U	0.37	0.10	ug/m3			05/16/23 09:27	1
Chloroethane	0.21	U	0.21	0.084	ug/m3			05/16/23 09:27	1
Chloroform	0.39	U	0.39	0.068	ug/m3			05/16/23 09:27	1
Chloromethane	0.41	U	0.41	0.14	ug/m3			05/16/23 09:27	1
cis-1,2-Dichloroethene	0.16	U	0.16	0.040	ug/m3			05/16/23 09:27	1
cis-1,3-Dichloropropene	0.36	U	0.36	0.086	ug/m3			05/16/23 09:27	1
Cyclohexane	0.69	U	0.69	0.13	ug/m3			05/16/23 09:27	1
Dibromochloromethane	0.68	U	0.68	0.12	ug/m3			05/16/23 09:27	1
Dichlorodifluoromethane	0.40	U	0.40	0.069	ug/m3			05/16/23 09:27	1
Ethanol	3.8	U	3.8	1.6	ug/m3			05/16/23 09:27	1
Ethylbenzene	0.35	U	0.35	0.056	ug/m3			05/16/23 09:27	1
Hexachlorobutadiene	0.85	U	0.85	0.34	ug/m3			05/16/23 09:27	1
Hexane	0.70	U	0.70	0.088	ug/m3			05/16/23 09:27	1
Methyl tert-butyl ether	0.58	U	0.58	0.19	ug/m3			05/16/23 09:27	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 140-73254/5
Matrix: Air
Analysis Batch: 73254

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.4	U	1.4	0.49	ug/m3			05/16/23 09:27	1
m-Xylene & p-Xylene	0.35	U	0.35	0.13	ug/m3			05/16/23 09:27	1
Naphthalene	1.0	U	1.0	0.20	ug/m3			05/16/23 09:27	1
o-Xylene	0.35	U	0.35	0.065	ug/m3			05/16/23 09:27	1
Styrene	0.34	U	0.34	0.10	ug/m3			05/16/23 09:27	1
t-Butyl alcohol	0.97	U	0.97	0.10	ug/m3			05/16/23 09:27	1
Tetrachloroethene	0.54	U	0.54	0.081	ug/m3			05/16/23 09:27	1
Toluene	0.45	U	0.45	0.087	ug/m3			05/16/23 09:27	1
trans-1,2-Dichloroethene	0.32	U	0.32	0.052	ug/m3			05/16/23 09:27	1
trans-1,3-Dichloropropene	0.36	U	0.36	0.091	ug/m3			05/16/23 09:27	1
Trichloroethene	0.19	U	0.19	0.070	ug/m3			05/16/23 09:27	1
Trichlorofluoromethane	0.45	U	0.45	0.062	ug/m3			05/16/23 09:27	1
Vinyl chloride	0.10	U	0.10	0.066	ug/m3			05/16/23 09:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*60 - 140*		*05/16/23 09:27*	*1*

Lab Sample ID: LCS 140-73254/1002
Matrix: Air
Analysis Batch: 73254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	2.00	1.98		ppb v/v		99	70 - 130
1,1,2,2-Tetrachloroethane	2.00	1.94		ppb v/v		97	70 - 130
1,1,2-Trichloroethane	2.00	1.89		ppb v/v		95	70 - 130
1,1,2-Trichlorotrifluoroethane	2.00	1.87		ppb v/v		93	70 - 130
1,1-Dichloroethane	2.00	1.94		ppb v/v		97	70 - 130
1,1-Dichloroethene	2.00	1.71		ppb v/v		86	70 - 130
1,2,4-Trichlorobenzene	2.00	1.94		ppb v/v		97	60 - 140
1,2,4-Trimethylbenzene	2.00	2.09		ppb v/v		104	70 - 130
1,2-Dibromoethane	2.00	1.92		ppb v/v		96	70 - 130
1,2-Dichlorobenzene	2.00	2.20		ppb v/v		110	70 - 130
1,2-Dichloroethane	2.00	2.08		ppb v/v		104	70 - 130
1,2-Dichloropropane	2.00	1.95		ppb v/v		97	70 - 130
1,2-Dichlorotetrafluoroethane	2.00	1.81		ppb v/v		90	60 - 140
1,3,5-Trimethylbenzene	2.00	2.01		ppb v/v		101	70 - 130
1,3-Dichlorobenzene	2.00	2.17		ppb v/v		108	70 - 130
1,4-Dichlorobenzene	2.00	2.25		ppb v/v		112	70 - 130
1,4-Dioxane	2.00	1.67		ppb v/v		83	60 - 140
2,2,4-Trimethylpentane	2.00	1.86		ppb v/v		93	70 - 130
2-Butanone	2.00	1.67		ppb v/v		84	60 - 140
4-Methyl-2-pentanone (MIBK)	2.00	1.78		ppb v/v		89	60 - 140
Benzene	2.00	1.76		ppb v/v		88	70 - 130
Benzyl chloride	2.00	2.22		ppb v/v		111	70 - 130
Bromodichloromethane	2.00	2.11		ppb v/v		106	70 - 130
Bromoform	2.00	2.02		ppb v/v		101	60 - 140
Bromomethane	2.00	1.90		ppb v/v		95	70 - 130

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 140-73254/1002
Matrix: Air
Analysis Batch: 73254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon tetrachloride	2.00	2.58		ppb v/v		129	70 - 130
Chlorobenzene	2.00	1.98		ppb v/v		99	70 - 130
Chloroethane	2.00	1.60		ppb v/v		80	70 - 130
Chloroform	2.00	1.89		ppb v/v		94	70 - 130
Chloromethane	2.00	1.54		ppb v/v		77	60 - 140
cis-1,2-Dichloroethene	2.00	1.72		ppb v/v		86	70 - 130
cis-1,3-Dichloropropene	2.00	2.05		ppb v/v		102	70 - 130
Cyclohexane	2.00	1.79		ppb v/v		89	70 - 130
Dibromochloromethane	2.00	2.22		ppb v/v		111	70 - 130
Dichlorodifluoromethane	2.00	1.70		ppb v/v		85	60 - 140
Ethanol	10.0	7.53		ppb v/v		75	60 - 140
Ethylbenzene	2.00	1.79		ppb v/v		89	70 - 130
Hexachlorobutadiene	2.00	1.51		ppb v/v		76	60 - 140
Hexane	2.00	1.71		ppb v/v		85	70 - 130
Methyl tert-butyl ether	2.00	1.83		ppb v/v		92	60 - 140
Methylene Chloride	2.00	1.60		ppb v/v		80	70 - 130
m-Xylene & p-Xylene	4.00	3.48		ppb v/v		87	70 - 130
Naphthalene	2.00	2.24		ppb v/v		112	60 - 140
o-Xylene	2.00	1.88		ppb v/v		94	70 - 130
Styrene	2.00	1.78		ppb v/v		89	70 - 130
t-Butyl alcohol	2.00	1.79		ppb v/v		89	60 - 140
Tetrachloroethene	2.00	2.04		ppb v/v		102	70 - 130
Toluene	2.00	1.83		ppb v/v		92	70 - 130
trans-1,2-Dichloroethene	2.00	1.74		ppb v/v		87	70 - 130
trans-1,3-Dichloropropene	2.00	1.97		ppb v/v		98	70 - 130
Trichloroethene	2.00	2.01		ppb v/v		100	70 - 130
Trichlorofluoromethane	2.00	1.97		ppb v/v		99	60 - 140
Vinyl chloride	2.00	1.59		ppb v/v		79	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	11	10.8		ug/m3		99	70 - 130
1,1,2,2-Tetrachloroethane	14	13.3		ug/m3		97	70 - 130
1,1,2-Trichloroethane	11	10.3		ug/m3		95	70 - 130
1,1,2-Trichlorotrifluoroethane	15	14.3		ug/m3		93	70 - 130
1,1-Dichloroethane	8.1	7.85		ug/m3		97	70 - 130
1,1-Dichloroethene	7.9	6.80		ug/m3		86	70 - 130
1,2,4-Trichlorobenzene	15	14.4		ug/m3		97	60 - 140
1,2,4-Trimethylbenzene	9.8	10.3		ug/m3		104	70 - 130
1,2-Dibromoethane	15	14.8		ug/m3		96	70 - 130
1,2-Dichlorobenzene	12	13.2		ug/m3		110	70 - 130
1,2-Dichloroethane	8.1	8.40		ug/m3		104	70 - 130
1,2-Dichloropropane	9.2	8.99		ug/m3		97	70 - 130
1,2-Dichlorotetrafluoroethane	14	12.7		ug/m3		90	60 - 140
1,3,5-Trimethylbenzene	9.8	9.89		ug/m3		101	70 - 130
1,3-Dichlorobenzene	12	13.0		ug/m3		108	70 - 130
1,4-Dichlorobenzene	12	13.5		ug/m3		112	70 - 130
1,4-Dioxane	7.2	6.01		ug/m3		83	60 - 140

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 140-73254/1002
Matrix: Air
Analysis Batch: 73254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,2,4-Trimethylpentane	9.3	8.70		ug/m3		93	70 - 130
2-Butanone	5.9	4.93		ug/m3		84	60 - 140
4-Methyl-2-pentanone (MIBK)	8.2	7.31		ug/m3		89	60 - 140
Benzene	6.4	5.62		ug/m3		88	70 - 130
Benzyl chloride	10	11.5		ug/m3		111	70 - 130
Bromodichloromethane	13	14.2		ug/m3		106	70 - 130
Bromoform	21	20.9		ug/m3		101	60 - 140
Bromomethane	7.8	7.37		ug/m3		95	70 - 130
Carbon tetrachloride	13	16.2		ug/m3		129	70 - 130
Chlorobenzene	9.2	9.10		ug/m3		99	70 - 130
Chloroethane	5.3	4.23		ug/m3		80	70 - 130
Chloroform	9.8	9.22		ug/m3		94	70 - 130
Chloromethane	4.1	3.17		ug/m3		77	60 - 140
cis-1,2-Dichloroethene	7.9	6.84		ug/m3		86	70 - 130
cis-1,3-Dichloropropene	9.1	9.29		ug/m3		102	70 - 130
Cyclohexane	6.9	6.15		ug/m3		89	70 - 130
Dibromochloromethane	17	18.9		ug/m3		111	70 - 130
Dichlorodifluoromethane	9.9	8.41		ug/m3		85	60 - 140
Ethanol	19	14.2		ug/m3		75	60 - 140
Ethylbenzene	8.7	7.76		ug/m3		89	70 - 130
Hexachlorobutadiene	21	16.1		ug/m3		76	60 - 140
Hexane	7.0	6.01		ug/m3		85	70 - 130
Methyl tert-butyl ether	7.2	6.61		ug/m3		92	60 - 140
Methylene Chloride	6.9	5.54		ug/m3		80	70 - 130
m-Xylene & p-Xylene	17	15.1		ug/m3		87	70 - 130
Naphthalene	10	11.7		ug/m3		112	60 - 140
o-Xylene	8.7	8.15		ug/m3		94	70 - 130
Styrene	8.5	7.59		ug/m3		89	70 - 130
t-Butyl alcohol	6.1	5.42		ug/m3		89	60 - 140
Tetrachloroethene	14	13.8		ug/m3		102	70 - 130
Toluene	7.5	6.90		ug/m3		92	70 - 130
trans-1,2-Dichloroethene	7.9	6.91		ug/m3		87	70 - 130
trans-1,3-Dichloropropene	9.1	8.94		ug/m3		98	70 - 130
Trichloroethene	11	10.8		ug/m3		100	70 - 130
Trichlorofluoromethane	11	11.1		ug/m3		99	60 - 140
Vinyl chloride	5.1	4.06		ug/m3		79	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*60 - 140*

Lab Sample ID: MB 140-73282/5
Matrix: Air
Analysis Batch: 73282

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.080	U	0.080	0.029	ppb v/v			05/17/23 09:32	1
1,1,2,2-Tetrachloroethane	0.080	U	0.080	0.014	ppb v/v			05/17/23 09:32	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 140-73282/5
Matrix: Air
Analysis Batch: 73282

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.080	U	0.080	0.015	ppb v/v			05/17/23 09:32	1
1,1,2-Trichlorotrifluoroethane	0.080	U	0.080	0.010	ppb v/v			05/17/23 09:32	1
1,1-Dichloroethane	0.080	U	0.080	0.011	ppb v/v			05/17/23 09:32	1
1,1-Dichloroethene	0.040	U	0.040	0.013	ppb v/v			05/17/23 09:32	1
1,2,4-Trichlorobenzene	0.080	U	0.080	0.035	ppb v/v			05/17/23 09:32	1
1,2,4-Trimethylbenzene	0.080	U	0.080	0.020	ppb v/v			05/17/23 09:32	1
1,2-Dibromoethane	0.080	U	0.080	0.012	ppb v/v			05/17/23 09:32	1
1,2-Dichlorobenzene	0.080	U	0.080	0.031	ppb v/v			05/17/23 09:32	1
1,2-Dichloroethane	0.080	U	0.080	0.010	ppb v/v			05/17/23 09:32	1
1,2-Dichloropropane	0.080	U	0.080	0.010	ppb v/v			05/17/23 09:32	1
1,2-Dichlorotetrafluoroethane	0.080	U	0.080	0.012	ppb v/v			05/17/23 09:32	1
1,3,5-Trimethylbenzene	0.16	U	0.16	0.065	ppb v/v			05/17/23 09:32	1
1,3-Dichlorobenzene	0.080	U	0.080	0.016	ppb v/v			05/17/23 09:32	1
1,4-Dichlorobenzene	0.080	U	0.080	0.016	ppb v/v			05/17/23 09:32	1
1,4-Dioxane	0.20	U	0.20	0.030	ppb v/v			05/17/23 09:32	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.015	ppb v/v			05/17/23 09:32	1
2-Butanone	0.32	U	0.32	0.073	ppb v/v			05/17/23 09:32	1
4-Methyl-2-pentanone (MIBK)	0.20	U	0.20	0.054	ppb v/v			05/17/23 09:32	1
Benzene	0.080	U	0.080	0.013	ppb v/v			05/17/23 09:32	1
Benzyl chloride	0.16	U	0.16	0.038	ppb v/v			05/17/23 09:32	1
Bromodichloromethane	0.080	U	0.080	0.018	ppb v/v			05/17/23 09:32	1
Bromoform	0.080	U	0.080	0.027	ppb v/v			05/17/23 09:32	1
Bromomethane	0.080	U	0.080	0.022	ppb v/v			05/17/23 09:32	1
Carbon tetrachloride	0.032	U	0.032	0.013	ppb v/v			05/17/23 09:32	1
Chlorobenzene	0.080	U	0.080	0.022	ppb v/v			05/17/23 09:32	1
Chloroethane	0.080	U	0.080	0.032	ppb v/v			05/17/23 09:32	1
Chloroform	0.080	U	0.080	0.014	ppb v/v			05/17/23 09:32	1
Chloromethane	0.20	U	0.20	0.066	ppb v/v			05/17/23 09:32	1
cis-1,2-Dichloroethene	0.040	U	0.040	0.010	ppb v/v			05/17/23 09:32	1
cis-1,3-Dichloropropene	0.080	U	0.080	0.019	ppb v/v			05/17/23 09:32	1
Cyclohexane	0.20	U	0.20	0.037	ppb v/v			05/17/23 09:32	1
Dibromochloromethane	0.080	U	0.080	0.014	ppb v/v			05/17/23 09:32	1
Dichlorodifluoromethane	0.080	U	0.080	0.014	ppb v/v			05/17/23 09:32	1
Ethanol	2.0	U	2.0	0.87	ppb v/v			05/17/23 09:32	1
Ethylbenzene	0.080	U	0.080	0.013	ppb v/v			05/17/23 09:32	1
Hexachlorobutadiene	0.080	U	0.080	0.032	ppb v/v			05/17/23 09:32	1
Hexane	0.20	U	0.20	0.025	ppb v/v			05/17/23 09:32	1
Methyl tert-butyl ether	0.16	U	0.16	0.052	ppb v/v			05/17/23 09:32	1
Methylene Chloride	0.40	U	0.40	0.14	ppb v/v			05/17/23 09:32	1
m-Xylene & p-Xylene	0.080	U	0.080	0.029	ppb v/v			05/17/23 09:32	1
Naphthalene	0.20	U	0.20	0.039	ppb v/v			05/17/23 09:32	1
o-Xylene	0.080	U	0.080	0.015	ppb v/v			05/17/23 09:32	1
Styrene	0.080	U	0.080	0.024	ppb v/v			05/17/23 09:32	1
t-Butyl alcohol	0.32	U	0.32	0.033	ppb v/v			05/17/23 09:32	1
Tetrachloroethene	0.080	U	0.080	0.012	ppb v/v			05/17/23 09:32	1
Toluene	0.12	U	0.12	0.023	ppb v/v			05/17/23 09:32	1
trans-1,2-Dichloroethene	0.080	U	0.080	0.013	ppb v/v			05/17/23 09:32	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 140-73282/5
Matrix: Air
Analysis Batch: 73282

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.080	U	0.080	0.020	ppb v/v			05/17/23 09:32	1
Trichloroethene	0.036	U	0.036	0.013	ppb v/v			05/17/23 09:32	1
Trichlorofluoromethane	0.080	U	0.080	0.011	ppb v/v			05/17/23 09:32	1
Vinyl chloride	0.040	U	0.040	0.026	ppb v/v			05/17/23 09:32	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.44	U	0.44	0.16	ug/m3			05/17/23 09:32	1
1,1,2,2-Tetrachloroethane	0.55	U	0.55	0.096	ug/m3			05/17/23 09:32	1
1,1,2-Trichloroethane	0.44	U	0.44	0.082	ug/m3			05/17/23 09:32	1
1,1,2-Trichlorotrifluoroethane	0.61	U	0.61	0.077	ug/m3			05/17/23 09:32	1
1,1-Dichloroethane	0.32	U	0.32	0.045	ug/m3			05/17/23 09:32	1
1,1-Dichloroethene	0.16	U	0.16	0.052	ug/m3			05/17/23 09:32	1
1,2,4-Trichlorobenzene	0.59	U	0.59	0.26	ug/m3			05/17/23 09:32	1
1,2,4-Trimethylbenzene	0.39	U	0.39	0.098	ug/m3			05/17/23 09:32	1
1,2-Dibromoethane	0.61	U	0.61	0.092	ug/m3			05/17/23 09:32	1
1,2-Dichlorobenzene	0.48	U	0.48	0.19	ug/m3			05/17/23 09:32	1
1,2-Dichloroethane	0.32	U	0.32	0.040	ug/m3			05/17/23 09:32	1
1,2-Dichloropropane	0.37	U	0.37	0.046	ug/m3			05/17/23 09:32	1
1,2-Dichlorotetrafluoroethane	0.56	U	0.56	0.084	ug/m3			05/17/23 09:32	1
1,3,5-Trimethylbenzene	0.79	U	0.79	0.32	ug/m3			05/17/23 09:32	1
1,3-Dichlorobenzene	0.48	U	0.48	0.096	ug/m3			05/17/23 09:32	1
1,4-Dichlorobenzene	0.48	U	0.48	0.096	ug/m3			05/17/23 09:32	1
1,4-Dioxane	0.72	U	0.72	0.11	ug/m3			05/17/23 09:32	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.070	ug/m3			05/17/23 09:32	1
2-Butanone	0.94	U	0.94	0.22	ug/m3			05/17/23 09:32	1
4-Methyl-2-pentanone (MIBK)	0.82	U	0.82	0.22	ug/m3			05/17/23 09:32	1
Benzene	0.26	U	0.26	0.042	ug/m3			05/17/23 09:32	1
Benzyl chloride	0.83	U	0.83	0.20	ug/m3			05/17/23 09:32	1
Bromodichloromethane	0.54	U	0.54	0.12	ug/m3			05/17/23 09:32	1
Bromoform	0.83	U	0.83	0.28	ug/m3			05/17/23 09:32	1
Bromomethane	0.31	U	0.31	0.085	ug/m3			05/17/23 09:32	1
Carbon tetrachloride	0.20	U	0.20	0.082	ug/m3			05/17/23 09:32	1
Chlorobenzene	0.37	U	0.37	0.10	ug/m3			05/17/23 09:32	1
Chloroethane	0.21	U	0.21	0.084	ug/m3			05/17/23 09:32	1
Chloroform	0.39	U	0.39	0.068	ug/m3			05/17/23 09:32	1
Chloromethane	0.41	U	0.41	0.14	ug/m3			05/17/23 09:32	1
cis-1,2-Dichloroethene	0.16	U	0.16	0.040	ug/m3			05/17/23 09:32	1
cis-1,3-Dichloropropene	0.36	U	0.36	0.086	ug/m3			05/17/23 09:32	1
Cyclohexane	0.69	U	0.69	0.13	ug/m3			05/17/23 09:32	1
Dibromochloromethane	0.68	U	0.68	0.12	ug/m3			05/17/23 09:32	1
Dichlorodifluoromethane	0.40	U	0.40	0.069	ug/m3			05/17/23 09:32	1
Ethanol	3.8	U	3.8	1.6	ug/m3			05/17/23 09:32	1
Ethylbenzene	0.35	U	0.35	0.056	ug/m3			05/17/23 09:32	1
Hexachlorobutadiene	0.85	U	0.85	0.34	ug/m3			05/17/23 09:32	1
Hexane	0.70	U	0.70	0.088	ug/m3			05/17/23 09:32	1
Methyl tert-butyl ether	0.58	U	0.58	0.19	ug/m3			05/17/23 09:32	1
Methylene Chloride	1.4	U	1.4	0.49	ug/m3			05/17/23 09:32	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 140-73282/5
Matrix: Air
Analysis Batch: 73282

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	0.35	U	0.35	0.13	ug/m3			05/17/23 09:32	1
Naphthalene	1.0	U	1.0	0.20	ug/m3			05/17/23 09:32	1
o-Xylene	0.35	U	0.35	0.065	ug/m3			05/17/23 09:32	1
Styrene	0.34	U	0.34	0.10	ug/m3			05/17/23 09:32	1
t-Butyl alcohol	0.97	U	0.97	0.10	ug/m3			05/17/23 09:32	1
Tetrachloroethene	0.54	U	0.54	0.081	ug/m3			05/17/23 09:32	1
Toluene	0.45	U	0.45	0.087	ug/m3			05/17/23 09:32	1
trans-1,2-Dichloroethene	0.32	U	0.32	0.052	ug/m3			05/17/23 09:32	1
trans-1,3-Dichloropropene	0.36	U	0.36	0.091	ug/m3			05/17/23 09:32	1
Trichloroethene	0.19	U	0.19	0.070	ug/m3			05/17/23 09:32	1
Trichlorofluoromethane	0.45	U	0.45	0.062	ug/m3			05/17/23 09:32	1
Vinyl chloride	0.10	U	0.10	0.066	ug/m3			05/17/23 09:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*60 - 140*		*05/17/23 09:32*	*1*

Lab Sample ID: LCS 140-73282/1002
Matrix: Air
Analysis Batch: 73282

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	2.00	1.96		ppb v/v		98	70 - 130
1,1,2,2-Tetrachloroethane	2.00	1.99		ppb v/v		100	70 - 130
1,1,2-Trichloroethane	2.00	1.97		ppb v/v		99	70 - 130
1,1,2-Trichlorotrifluoroethane	2.00	1.93		ppb v/v		97	70 - 130
1,1-Dichloroethane	2.00	1.96		ppb v/v		98	70 - 130
1,1-Dichloroethene	2.00	1.70		ppb v/v		85	70 - 130
1,2,4-Trichlorobenzene	2.00	1.97		ppb v/v		98	60 - 140
1,2,4-Trimethylbenzene	2.00	2.13		ppb v/v		107	70 - 130
1,2-Dibromoethane	2.00	1.96		ppb v/v		98	70 - 130
1,2-Dichlorobenzene	2.00	2.24		ppb v/v		112	70 - 130
1,2-Dichloroethane	2.00	2.12		ppb v/v		106	70 - 130
1,2-Dichloropropane	2.00	1.97		ppb v/v		98	70 - 130
1,2-Dichlorotetrafluoroethane	2.00	1.84		ppb v/v		92	60 - 140
1,3,5-Trimethylbenzene	2.00	2.04		ppb v/v		102	70 - 130
1,3-Dichlorobenzene	2.00	2.23		ppb v/v		112	70 - 130
1,4-Dichlorobenzene	2.00	2.37		ppb v/v		119	70 - 130
1,4-Dioxane	2.00	1.64		ppb v/v		82	60 - 140
2,2,4-Trimethylpentane	2.00	1.88		ppb v/v		94	70 - 130
2-Butanone	2.00	1.73		ppb v/v		86	60 - 140
4-Methyl-2-pentanone (MIBK)	2.00	1.78		ppb v/v		89	60 - 140
Benzene	2.00	1.82		ppb v/v		91	70 - 130
Benzyl chloride	2.00	2.27		ppb v/v		113	70 - 130
Bromodichloromethane	2.00	2.21		ppb v/v		111	70 - 130
Bromoform	2.00	2.08		ppb v/v		104	60 - 140
Bromomethane	2.00	1.87		ppb v/v		94	70 - 130
Carbon tetrachloride	2.00	2.72	*+	ppb v/v		136	70 - 130

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 140-73282/1002
Matrix: Air
Analysis Batch: 73282

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzene	2.00	2.02		ppb v/v		101	70 - 130
Chloroethane	2.00	1.67		ppb v/v		83	70 - 130
Chloroform	2.00	1.93		ppb v/v		97	70 - 130
Chloromethane	2.00	1.47		ppb v/v		73	60 - 140
cis-1,2-Dichloroethene	2.00	1.74		ppb v/v		87	70 - 130
cis-1,3-Dichloropropene	2.00	2.08		ppb v/v		104	70 - 130
Cyclohexane	2.00	1.78		ppb v/v		89	70 - 130
Dibromochloromethane	2.00	2.30		ppb v/v		115	70 - 130
Dichlorodifluoromethane	2.00	1.78		ppb v/v		89	60 - 140
Ethanol	10.0	7.41		ppb v/v		74	60 - 140
Ethylbenzene	2.00	1.80		ppb v/v		90	70 - 130
Hexachlorobutadiene	2.00	1.51		ppb v/v		75	60 - 140
Hexane	2.00	1.68		ppb v/v		84	70 - 130
Methyl tert-butyl ether	2.00	1.79		ppb v/v		90	60 - 140
Methylene Chloride	2.00	1.60		ppb v/v		80	70 - 130
m-Xylene & p-Xylene	4.00	3.61		ppb v/v		90	70 - 130
Naphthalene	2.00	2.25		ppb v/v		112	60 - 140
o-Xylene	2.00	1.92		ppb v/v		96	70 - 130
Styrene	2.00	1.86		ppb v/v		93	70 - 130
t-Butyl alcohol	2.00	1.80		ppb v/v		90	60 - 140
Tetrachloroethene	2.00	2.05		ppb v/v		103	70 - 130
Toluene	2.00	1.88		ppb v/v		94	70 - 130
trans-1,2-Dichloroethene	2.00	1.78		ppb v/v		89	70 - 130
trans-1,3-Dichloropropene	2.00	1.96		ppb v/v		98	70 - 130
Trichloroethene	2.00	2.04		ppb v/v		102	70 - 130
Trichlorofluoromethane	2.00	2.04		ppb v/v		102	60 - 140
Vinyl chloride	2.00	1.56		ppb v/v		78	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	11	10.7		ug/m3		98	70 - 130
1,1,2,2-Tetrachloroethane	14	13.7		ug/m3		100	70 - 130
1,1,2-Trichloroethane	11	10.8		ug/m3		99	70 - 130
1,1,2-Trichlorotrifluoroethane	15	14.8		ug/m3		97	70 - 130
1,1-Dichloroethane	8.1	7.94		ug/m3		98	70 - 130
1,1-Dichloroethene	7.9	6.75		ug/m3		85	70 - 130
1,2,4-Trichlorobenzene	15	14.6		ug/m3		98	60 - 140
1,2,4-Trimethylbenzene	9.8	10.5		ug/m3		107	70 - 130
1,2-Dibromoethane	15	15.1		ug/m3		98	70 - 130
1,2-Dichlorobenzene	12	13.5		ug/m3		112	70 - 130
1,2-Dichloroethane	8.1	8.60		ug/m3		106	70 - 130
1,2-Dichloropropane	9.2	9.10		ug/m3		98	70 - 130
1,2-Dichlorotetrafluoroethane	14	12.9		ug/m3		92	60 - 140
1,3,5-Trimethylbenzene	9.8	10.0		ug/m3		102	70 - 130
1,3-Dichlorobenzene	12	13.4		ug/m3		112	70 - 130
1,4-Dichlorobenzene	12	14.3		ug/m3		119	70 - 130
1,4-Dioxane	7.2	5.91		ug/m3		82	60 - 140
2,2,4-Trimethylpentane	9.3	8.78		ug/m3		94	70 - 130

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 140-73282/1002
Matrix: Air
Analysis Batch: 73282

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone	5.9	5.10		ug/m3		86	60 - 140
4-Methyl-2-pentanone (MIBK)	8.2	7.29		ug/m3		89	60 - 140
Benzene	6.4	5.80		ug/m3		91	70 - 130
Benzyl chloride	10	11.8		ug/m3		113	70 - 130
Bromodichloromethane	13	14.8		ug/m3		111	70 - 130
Bromoform	21	21.5		ug/m3		104	60 - 140
Bromomethane	7.8	7.27		ug/m3		94	70 - 130
Carbon tetrachloride	13	17.1	*+	ug/m3		136	70 - 130
Chlorobenzene	9.2	9.31		ug/m3		101	70 - 130
Chloroethane	5.3	4.39		ug/m3		83	70 - 130
Chloroform	9.8	9.44		ug/m3		97	70 - 130
Chloromethane	4.1	3.03		ug/m3		73	60 - 140
cis-1,2-Dichloroethene	7.9	6.91		ug/m3		87	70 - 130
cis-1,3-Dichloropropene	9.1	9.43		ug/m3		104	70 - 130
Cyclohexane	6.9	6.14		ug/m3		89	70 - 130
Dibromochloromethane	17	19.6		ug/m3		115	70 - 130
Dichlorodifluoromethane	9.9	8.79		ug/m3		89	60 - 140
Ethanol	19	14.0		ug/m3		74	60 - 140
Ethylbenzene	8.7	7.82		ug/m3		90	70 - 130
Hexachlorobutadiene	21	16.1		ug/m3		75	60 - 140
Hexane	7.0	5.91		ug/m3		84	70 - 130
Methyl tert-butyl ether	7.2	6.46		ug/m3		90	60 - 140
Methylene Chloride	6.9	5.54		ug/m3		80	70 - 130
m-Xylene & p-Xylene	17	15.7		ug/m3		90	70 - 130
Naphthalene	10	11.8		ug/m3		112	60 - 140
o-Xylene	8.7	8.35		ug/m3		96	70 - 130
Styrene	8.5	7.91		ug/m3		93	70 - 130
t-Butyl alcohol	6.1	5.47		ug/m3		90	60 - 140
Tetrachloroethene	14	13.9		ug/m3		103	70 - 130
Toluene	7.5	7.09		ug/m3		94	70 - 130
trans-1,2-Dichloroethene	7.9	7.06		ug/m3		89	70 - 130
trans-1,3-Dichloropropene	9.1	8.89		ug/m3		98	70 - 130
Trichloroethene	11	10.9		ug/m3		102	70 - 130
Trichlorofluoromethane	11	11.4		ug/m3		102	60 - 140
Vinyl chloride	5.1	4.00		ug/m3		78	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 140*

QC Association Summary

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-208417-1

Air - GC/MS VOA

Analysis Batch: 73254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208417-1	INFLUENT 042823	Total/NA	Air	TO 15 LL	
MB 140-73254/5	Method Blank	Total/NA	Air	TO 15 LL	
LCS 140-73254/1002	Lab Control Sample	Total/NA	Air	TO 15 LL	

Analysis Batch: 73282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208417-2	EFFLUENT 042823	Total/NA	Air	TO 15 LL	
480-208417-3	EDDLUENT DUPLICATE 042823	Total/NA	Air	TO 15 LL	
MB 140-73282/5	Method Blank	Total/NA	Air	TO 15 LL	
LCS 140-73282/1002	Lab Control Sample	Total/NA	Air	TO 15 LL	

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-208417-1

Client Sample ID: INFLUENT 042823

Lab Sample ID: 480-208417-1
Date Collected: 04/28/23 10:29
Matrix: Air
Date Received: 05/01/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO 15 LL		413.41	73254	S1K	EET KNX	05/16/23 21:33

Client Sample ID: EFFLUENT 042823

Lab Sample ID: 480-208417-2
Date Collected: 04/28/23 10:41
Matrix: Air
Date Received: 05/01/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO 15 LL		1	73282	S1K	EET KNX	05/17/23 16:40

Client Sample ID: EDDLUENT DUPLICATE 042823

Lab Sample ID: 480-208417-3
Date Collected: 04/28/23 10:41
Matrix: Air
Date Received: 05/01/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO 15 LL		1	73282	S1K	EET KNX	05/17/23 17:27

Laboratory References:

EET KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-208417-1

Laboratory: Eurofins Knoxville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	N/A	
ANAB	Dept. of Defense ELAP	L2311	02-13-25
ANAB	Dept. of Energy	L2311.01	02-13-25
ANAB	ISO/IEC 17025	L2311	02-13-25
Arkansas DEQ	State	88-0688	06-16-23
California	State	2423	06-30-23
Colorado	State	TN00009	02-29-24
Connecticut	State	PH-0223	09-30-23
Florida	NELAP	E87177	06-30-23
Georgia (DW)	State	906	07-27-25
Hawaii	State	NA	07-27-23
Kansas	NELAP	E-10349	10-31-23
Kentucky (DW)	State	90101	12-31-23
Louisiana	NELAP	83979	06-30-23
Louisiana (All)	NELAP	83979	06-30-23
Louisiana (DW)	State	LA019	12-31-23
Maryland	State	277	03-31-24
Michigan	State	9933	07-27-25
Nevada	State	TN00009	07-31-23
New Hampshire	NELAP	2999	01-17-24
New Jersey	NELAP	TN001	06-30-23
New York	NELAP	10781	03-31-24
North Carolina (DW)	State	21705	07-31-23
North Carolina (WW/SW)	State	64	12-31-23
Ohio VAP	State	CL0059	06-02-23
Oklahoma	State	9415	08-31-23
Oregon	NELAP	TNI0189	01-01-24
Pennsylvania	NELAP	68-00576	12-01-23
Tennessee	State	02014	07-27-25
Texas	NELAP	T104704380-22-17	08-31-23
US Fish & Wildlife	US Federal Programs	058448	07-31-23
USDA	US Federal Programs	525-22-279-18762	10-06-25
Utah	NELAP	TN00009	07-31-23
Virginia	NELAP	460176	09-14-23
Washington	State	C593	01-19-24
West Virginia (DW)	State	9955C	12-31-23
West Virginia DEP	State	345	04-30-24
Wisconsin	State	998044300	08-31-23

Method Summary

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-208417-1

Method	Method Description	Protocol	Laboratory
TO 15 LL	Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)	EPA	EET KNX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-208417-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-208417-1	INFLUENT 042823	Air	04/28/23 10:29	05/01/23 09:30	Air Canister (6-Liter) #09877, Air Canister (6-Liter) #12050
480-208417-2	EFFLUENT 042823	Air	04/28/23 10:41	05/01/23 09:30	Air Canister (6-Liter) #34001433
480-208417-3	EDDLUENT DUPLICATE 042823	Air	04/28/23 10:41	05/01/23 09:30	Air Canister (6-Liter) #34001507

Quantitation Limit Exceptions Summary

Client: WSP USA Inc.
Job ID: 480-208417-1
Project/Site: Staub's Textile Services - NYSDEC

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
TO 15 LL	1,1-Dichloroethene	Air	Total/NA	ppb v/v	0.040	0.08
TO 15 LL	1,2,4-Trichlorobenzene	Air	Total/NA	ppb v/v	0.080	0.4
TO 15 LL	2-Butanone	Air	Total/NA	ppb v/v	0.32	0.4
TO 15 LL	Carbon tetrachloride	Air	Total/NA	ppb v/v	0.032	0.08
TO 15 LL	cis-1,2-Dichloroethene	Air	Total/NA	ppb v/v	0.040	0.08
TO 15 LL	Hexachlorobutadiene	Air	Total/NA	ppb v/v	0.080	0.4
TO 15 LL	Methyl tert-butyl ether	Air	Total/NA	ppb v/v	0.16	0.4
TO 15 LL	t-Butyl alcohol	Air	Total/NA	ppb v/v	0.32	0.4
TO 15 LL	Trichloroethene	Air	Total/NA	ppb v/v	0.036	0.04

Eurofins TestAmerica, Knoxville
5815 Middlebrook Pike

Knoxville, TN 37921-5947
phone 865.291.3000 fax 865.584.4315

Canister Samples Chain of Custody Record

eurofins

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information
Company Name: WSP
Address: 13530 Dulles Tech Dr ste 300
City/State/Zip: Herndon VA 20171
Phone: (716) 531-2847
FAX:
Project Name: Starbucks
Site/Location: 935 E. Main St. Rochester NY
P O #: 828660 Callout ID 23-0662

Client Project Manager: Preetam K.
Phone: (716) 531-2847
Email: Preetam.Kuchikulla@WSP.com
Site Contact: Ryan Glass
Tel/Fax

Analysis Turnaround Time
Standard (Specific): ✓
Rush (Specifiy):

Samples Collected By: Ryan Glass

COC No: 1 of 1 COCs
TALS Project #:
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:
(See below for Add'l Items)

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
Influent 042823	4/28/23	9:20	4/28/23	10:29	-29	-5	9015	12050	X														Email Results
Effluent 042823	↓	9:27	↓	10:41	-26	-6	268	34001433	X														to client and
Effluent Duplicate 042823	↓	9:27	↓	10:41	-29	-5	04	34001507	X														CC danw@
																							nwcontractings
No Custody Seal																							.com
Received Ambient																							
DH 5/1/23																							
1 Box FedEx 4323 2083 5855 SO																							
3 Cans / 3 Flows (OF)(3R.S)/3 C.C's																							

Temperature (Fahrenheit)			
Start	Interior	Ambient	
Stop			

Pressure (inches of Hg)			
Start	Interior	Ambient	
Stop			

480-208417 Chain of Custody

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date / Time: 4/28/23	Samples Received by: Dean Hicks ETA KNX 5/1/23 9:30
Samples Relinquished by:	Date / Time:	Received by:
Relinquished by:	Date / Time:	Received by:
Lab Use Only: Shipper Name:	Opened by:	Condition:

Form No. CA-C-WI-003, Rev. 2.23, dated 5/4/2020

5/18/2023

Loc: 480

EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Log In Number: 208417

Review Items	Yes	No	NA	If No, what was the problem?
1. Are the shipping containers intact?	✓			☐ Containers, Broken
2. Were ambient air containers received intact?			✓	☑ Checked in lab
3. The coolers/containers custody seal if present, is it intact?			✓	☐ Yes ☐ NA
4. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C) Thermometer ID :_____ Correction factor: _____			✓	☐ Cooler Out of Temp, Client Contacted, Proceed/Cancel ☐ Cooler Out of Temp, Same Day Receipt
5. Were all of the sample containers received intact?	✓			☐ Containers, Broken
6. Were samples received in appropriate containers?	✓			☐ Containers, Improper; Client Contacted; Proceed/Cancel
7. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ COC & Samples Do Not Match ☐ COC Incorrect/Incomplete ☐ COC Not Received
8. Were all of the samples listed on the COC received?	✓			☐ Sample Received, Not on COC ☐ Sample on COC, Not Received
9. Is the date/time of sample collection noted?	✓			☐ COC; No Date/Time; Client Contacted
10. Was the sampler identified on the COC?	✓			☐ Sampler Not Listed on COC
11. Is the client and project name/# identified?	✓			☐ COC Incorrect/Incomplete
12. Are tests/parameters listed for each sample?	✓			☐ COC No tests on COC
13. Is the matrix of the samples noted?	✓			☐ COC Incorrect/Incomplete
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ COC Incorrect/Incomplete
15. Were samples received within holding time?	✓			☐ Holding Time - Receipt
16. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ pH Adjusted, pH Included (See box 16A) ☐ Incorrect Preservative
17. Were VOA samples received without headspace?			✓	☐ Headspace (VOA only)
18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number: _____			✓	☐ Residual Chlorine
19. For 1613B water samples is pH<9?			✓	☑ If no, notify lab to adjust
20. For rad samples was sample activity info. Provided?			✓	☐ Project missing info

Comments/Actions Taken

Labeling Verified by: _____ **Date:** _____

pH test strip lot number: _____

Box 16A: pH Preservation	Box 18A: Residual Chlorine
Preservative:	
Lot Number:	
Exp Date:	
Analyst:	
Date:	
Time:	

Project #: 4805944 PM Instructions: _____

Sample Receiving Associate: Dean Hicks Date: 5/1/23

QA026R32.doc, 062719

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville
Job No.: 140-31230-1
SDG No.:
Client Sample ID: 10325
Lab Sample ID: 140-31230-1
Matrix: Air
Lab File ID: D04L31230.D
Analysis Method: TO 15 LL
Date Collected: 04/03/2023 15:30
Sample wt/vol: 500(mL)
Date Analyzed: 04/05/2023 07:24
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-5 ID: 0.32(mm)
Purge Volume:
Heated Purge: (Y/N) pH:
% Moisture: % Solids:
Level: (low/med) Low
Analysis Batch No.: 71864
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.080	
79-00-5	1,1,2-Trichloroethane	ND		0.080	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND		0.080	
75-34-3	1,1-Dichloroethane	ND		0.080	
75-35-4	1,1-Dichloroethene	ND		0.040	
87-61-6	1,2,3-Trichlorobenzene	ND		0.40	
96-18-4	1,2,3-Trichloropropane	ND		0.20	
526-73-8	1,2,3-Trimethylbenzene	ND		0.080	
95-93-2	1,2,4,5-Tetramethylbenzene	ND		0.080	
120-82-1	1,2,4-Trichlorobenzene	ND		0.080	
95-63-6	1,2,4-Trimethylbenzene	ND		0.080	
96-12-8	1,2-Dibromo-3-Chloropropane	ND		0.16	
106-93-4	1,2-Dibromoethane	ND		0.080	
95-50-1	1,2-Dichlorobenzene	ND		0.080	
107-06-2	1,2-Dichloroethane	ND		0.080	
78-87-5	1,2-Dichloropropane	ND		0.080	
76-14-2	1,2-Dichlorotetrafluoroethane	ND		0.080	
108-67-8	1,3,5-Trimethylbenzene	ND		0.16	
106-99-0	1,3-Butadine	ND		0.16	
541-73-1	1,3-Dichlorobenzene	ND		0.080	
106-46-7	1,4-Dichlorobenzene	ND		0.080	
123-91-1	1,4-Dioxane	ND		0.20	
71-36-3	1-Butanol	ND		0.80	
90-12-0	1-Methylnaphthalene	ND		1.0	
540-84-1	2,2,4-Trimethylpentane	ND		0.20	
565-59-3	2,3-Dimethylpentane	ND		0.080	
78-93-3	2-Butanone	ND		0.32	
95-49-8	2-Chlorotoluene	ND		0.16	
591-78-6	2-Hexanone	ND		0.20	
78-78-4	2-Methylbutane	ND		0.20	
91-57-6	2-Methylnaphthalene	ND		1.0	
107-83-5	2-Methylpentane	ND		0.080	
107-05-1	3-Chloroprene	ND		0.080	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville | Job No.: 140-31230-1
SDG No.:
Client Sample ID: 10325 | Lab Sample ID: 140-31230-1
Matrix: Air | Lab File ID: D04L31230.D
Analysis Method: TO 15 LL | Date Collected: 04/03/2023 15:30
Sample wt/vol: 500(mL) | Date Analyzed: 04/05/2023 07:24
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)
Purge Volume: | Heated Purge: (Y/N) pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 71864 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
622-96-8	4-Ethyltoluene	ND		0.16	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.20	
67-64-1	Acetone	ND		2.0	
75-05-8	Acetonitrile	ND		0.40	
107-02-8	Acrolein	ND		0.40	
107-13-1	Acrylonitrile	ND		0.80	
98-83-9	Alpha Methyl Styrene	ND		0.16	
71-43-2	Benzene	ND		0.080	
100-44-7	Benzyl chloride	ND	*+	0.16	
75-27-4	Bromodichloromethane	ND		0.080	
75-25-2	Bromoform	ND		0.080	
74-83-9	Bromomethane	ND		0.080	
106-97-8	Butane	ND		0.16	
75-15-0	Carbon disulfide	ND		0.20	
56-23-5	Carbon tetrachloride	ND	*+	0.032	
108-90-7	Chlorobenzene	ND		0.080	
75-45-6	Chlorodifluoromethane	ND		0.080	
75-00-3	Chloroethane	ND		0.080	
67-66-3	Chloroform	ND		0.080	
74-87-3	Chloromethane	ND		0.20	
156-59-2	cis-1,2-Dichloroethene	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	ND		0.080	
98-82-8	Cumene	ND		0.16	
110-82-7	Cyclohexane	ND		0.20	
124-48-1	Dibromochloromethane	ND		0.080	
74-95-3	Dibromomethane	ND		0.16	
75-71-8	Dichlorodifluoromethane	ND		0.080	
64-17-5	Ethanol	ND		2.0	
141-78-6	Ethyl acetate	ND		0.80	
60-29-7	Ethyl ether	ND		0.80	
100-41-4	Ethylbenzene	ND		0.080	
87-68-3	Hexachlorobutadiene	ND		0.080	
110-54-3	Hexane	ND		0.20	
496-11-7	Indane	ND		0.080	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville
Job No.: 140-31230-1
SDG No.:
Client Sample ID: 10325
Lab Sample ID: 140-31230-1
Matrix: Air
Lab File ID: D04L31230.D
Analysis Method: TO 15 LL
Date Collected: 04/03/2023 15:30
Sample wt/vol: 500(mL)
Date Analyzed: 04/05/2023 07:24
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-5 ID: 0.32(mm)
Purge Volume:
Heated Purge: (Y/N) pH:
% Moisture: % Solids:
Level: (low/med) Low
Analysis Batch No.: 71864
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
95-13-6	Indene	ND		0.16	
67-63-0	Isopropyl alcohol	ND		0.80	
80-62-6	Methyl methacrylate	ND		0.20	
1634-04-4	Methyl tert-butyl ether	ND		0.16	
108-87-2	Methylcyclohexane	ND		0.080	
75-09-2	Methylene Chloride	ND		0.40	
179601-23-1	m-Xylene & p-Xylene	ND		0.080	
91-20-3	Naphthalene	ND		0.20	
104-51-8	n-Butylbenzene	ND		0.16	
124-18-5	n-Decane	ND		0.40	
112-40-3	n-Dodecane	ND		0.40	
142-82-5	n-Heptane	ND		0.20	
111-84-2	n-Nonane	ND		0.20	
111-65-9	n-Octane	ND		0.16	
103-65-1	N-Propylbenzene	ND		0.16	
95-47-6	o-Xylene	ND		0.080	
99-87-6	p-Cymene	ND		0.080	
109-66-0	Pentane	ND		0.40	
115-07-1	Propene	ND		1.0	
135-98-8	sec-Butylbenzene	ND		0.16	
100-42-5	Styrene	ND		0.080	
75-65-0	tert-Butanol	ND		0.32	
98-06-6	tert-Butylbenzene	ND		0.20	
127-18-4	Tetrachloroethene	ND		0.040	
109-99-9	Tetrahydrofuran	ND		0.40	
110-02-1	Thiophene	ND		0.080	
108-88-3	Toluene	ND		0.12	
156-60-5	trans-1,2-Dichloroethene	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	ND		0.080	
79-01-6	Trichloroethene	ND		0.036	
75-69-4	Trichlorofluoromethane	ND		0.080	
1120-21-4	Undecane	ND		0.40	
108-05-4	Vinyl acetate	ND		0.40	
593-60-2	Vinyl bromide	ND		0.080	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville
Job No.: 140-31230-1
SDG No.:
Client Sample ID: 10325
Lab Sample ID: 140-31230-1
Matrix: Air
Lab File ID: D04L31230.D
Analysis Method: TO 15 LL
Date Collected: 04/03/2023 15:30
Sample wt/vol: 500(mL)
Date Analyzed: 04/05/2023 07:24
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-5 ID: 0.32(mm)
Purge Volume:
Heated Purge: (Y/N) pH:
% Moisture: % Solids:
Level: (low/med) Low
Analysis Batch No.: 71864
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
75-01-4	Vinyl chloride	ND		0.040	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Knoxville Job No.: 140-31230-1

SDG No.:

Client Sample ID: 10325 Lab Sample ID: 140-31230-1

Matrix: Air Lab File ID: D04L31230.D

Analysis Method: TO 15 LL Date Collected: 04/03/2023 15:30

Sample wt/vol: 500(mL) Date Analyzed: 04/05/2023 07:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 71864 Units: ppb v/v

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
488-23-3	1,2,3,4-Tetramethylbenzene TIC		ND		
527-53-7	1,2,3,5-Tetramethylbenzene TIC		ND		
934-80-5	1,2-Dimethyl-4-Ethylbenzene TIC		ND		
872-55-9	2-Ethylthiophene TIC		ND		
554-14-3	2-Methylthiophene TIC		ND		
616-44-4	3-Methylthiophene TIC		ND		
95-15-8	Benzo(b)thiophene TIC		ND		

Eurofins Knoxville
Target Compound Quantitation Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20230403-27584.b\D04L31230.D				
Lims ID:	140-31230-A-1				
Client ID:	10325				
Sample Type:	Client				
Inject. Date:	05-Apr-2023 07:24:30	ALS Bottle#:	16	Worklist Smp#:	22
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0027584-022				
Misc. Info.:	10325				
Operator ID:		Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20230403-27584.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	05-Apr-2023 08:41:20	Calib Date:	29-Mar-2023 22:26:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20230329-27542.b\RC29IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1665				
First Level Reviewer: OWJ7		Date:	05-Apr-2023 08:41:20		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.722	8.733	-0.011	89	260057	3.76	
* 2 1,4-Difluorobenzene	114	10.960	10.965	-0.005	95	1374794	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.899	15.915	-0.016	89	975564	3.92	
$ 4 4-Bromofluorobenzene (Surr)	95	17.587	17.574	-0.005	86	646066	3.88	
31 Methylene Chloride	84	6.112	6.104	0.000	87	21240	0.3042	

QC Flag Legend

Processing Flags

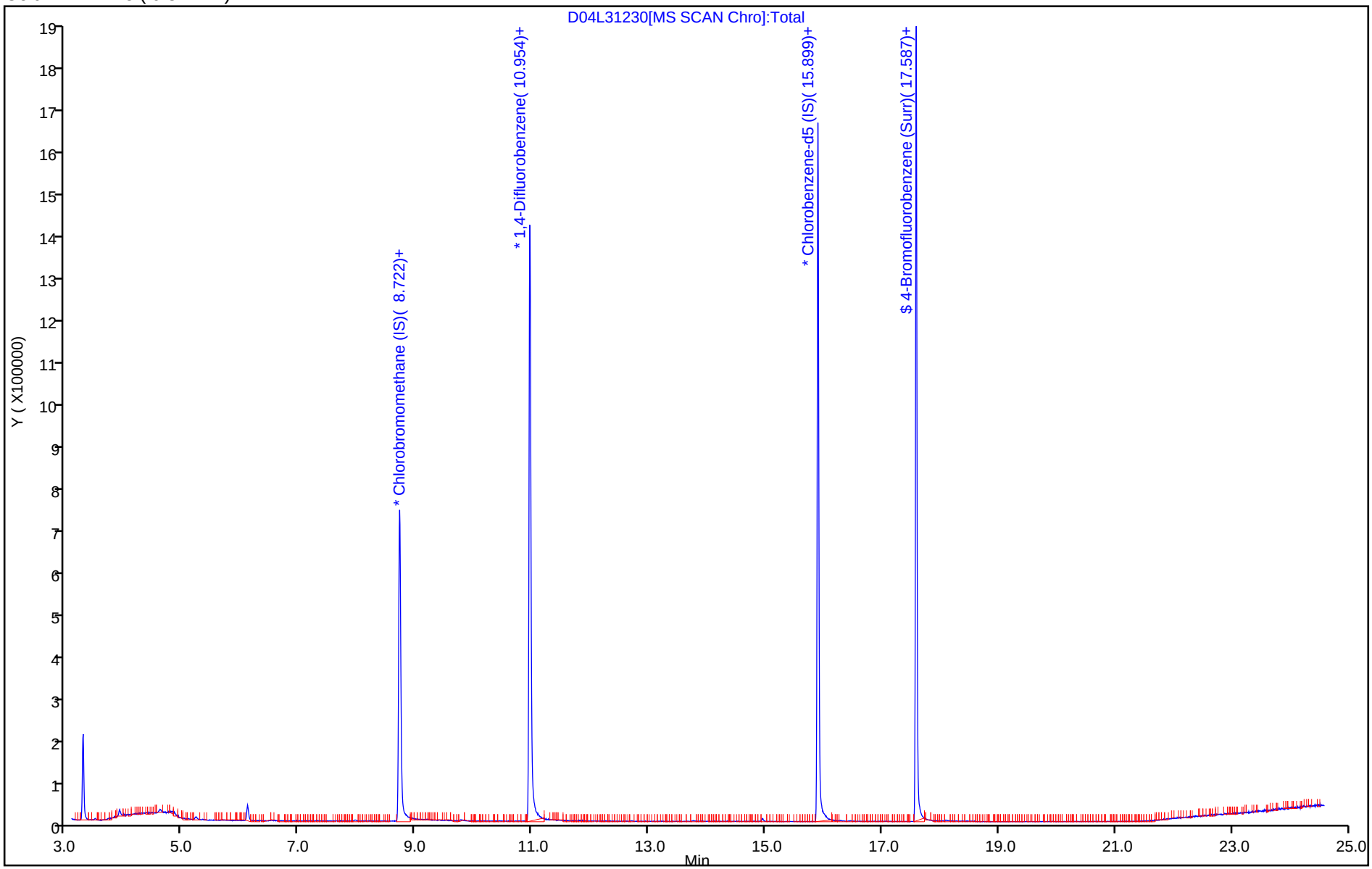
Reagents:

40MXISSUR_00003 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 05-Apr-2023 08:41:20 Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20230403-27584.b\D04L31230.D				
Injection Date:	05-Apr-2023 07:24:30	Instrument ID:	MR	Operator ID:	
Lims ID:	140-31230-A-1	Lab Sample ID:	140-31230-1	Worklist Smp#:	22
Client ID:	10325				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column: RTX-5 (0.32 mm)					



5/18/2023

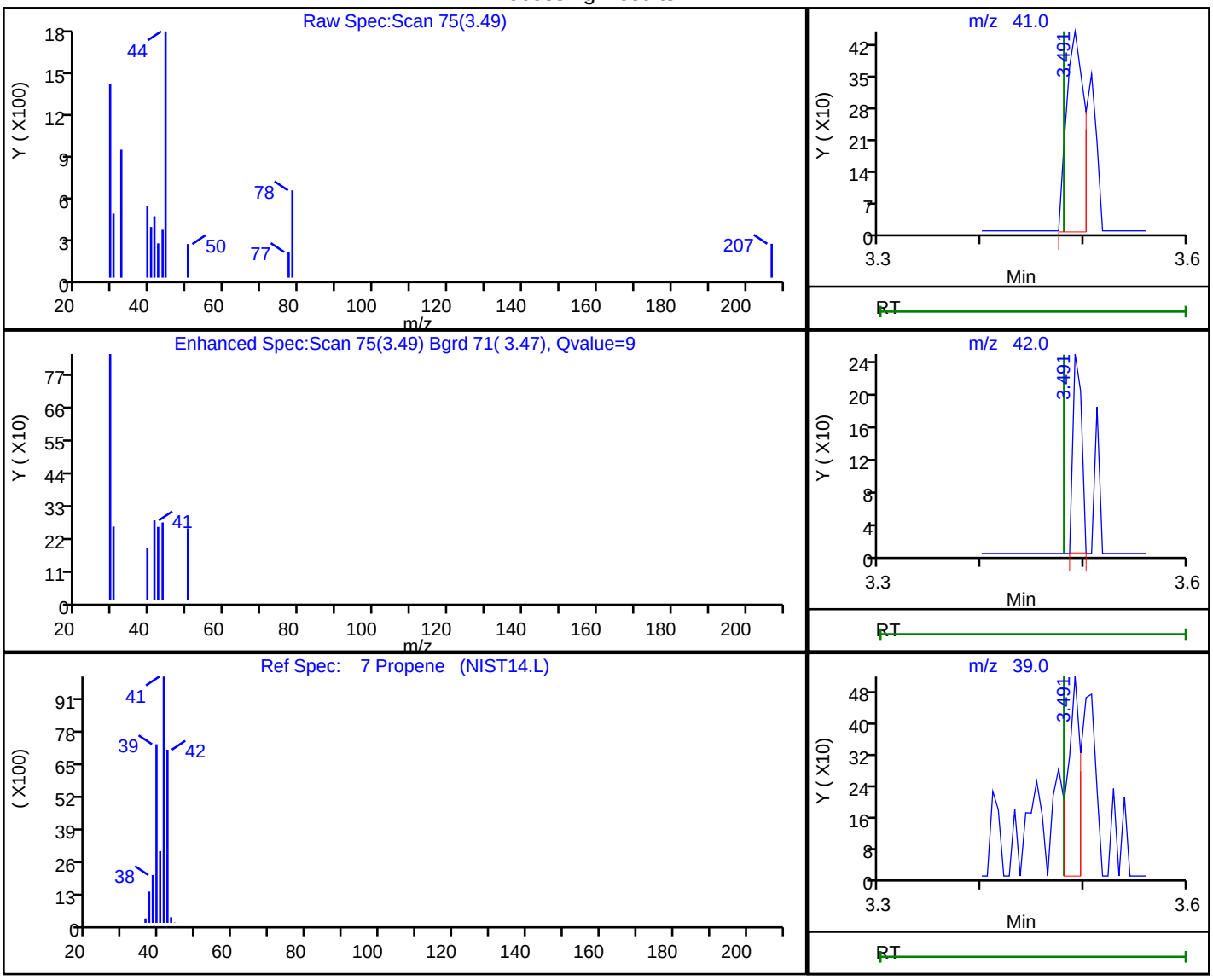
User Disabled Compound Report

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20230403-27584.b\D04L31230.D				
Injection Date:	05-Apr-2023 07:24:30	Instrument ID:	MR		
Lims ID:	140-31230-A-1	Lab Sample ID:	140-31230-1		
Client ID:	10325				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	22
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

7 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
3.49	41.00	526	0.013820
3.49	42.00	146	
3.49	39.00	436	

Reviewer: OWJ7, 05-Apr-2023 08:41:11

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville
Job No.: 140-31459-1
SDG No.:
Client Sample ID: 11028
Lab Sample ID: 140-31459-1
Matrix: Air
Lab File ID: D21L31459.D
Analysis Method: TO 15 LL
Date Collected: 04/20/2023 15:25
Sample wt/vol: 500(mL)
Date Analyzed: 04/21/2023 16:11
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-5 ID: 0.32(mm)
Purge Volume:
Heated Purge: (Y/N) pH:
% Moisture: % Solids:
Level: (low/med) Low
Analysis Batch No.: 72455
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.080	
79-00-5	1,1,2-Trichloroethane	ND		0.080	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND		0.080	
75-34-3	1,1-Dichloroethane	ND		0.080	
75-35-4	1,1-Dichloroethene	ND		0.040	
87-61-6	1,2,3-Trichlorobenzene	ND		0.40	
96-18-4	1,2,3-Trichloropropane	ND		0.20	
526-73-8	1,2,3-Trimethylbenzene	ND		0.080	
95-93-2	1,2,4,5-Tetramethylbenzene	ND		0.080	
120-82-1	1,2,4-Trichlorobenzene	ND		0.080	
95-63-6	1,2,4-Trimethylbenzene	ND		0.080	
96-12-8	1,2-Dibromo-3-Chloropropane	ND		0.16	
106-93-4	1,2-Dibromoethane	ND		0.080	
95-50-1	1,2-Dichlorobenzene	ND		0.080	
107-06-2	1,2-Dichloroethane	ND		0.080	
78-87-5	1,2-Dichloropropane	ND		0.080	
76-14-2	1,2-Dichlorotetrafluoroethane	ND		0.080	
108-67-8	1,3,5-Trimethylbenzene	ND		0.16	
106-99-0	1,3-Butadine	ND		0.16	
541-73-1	1,3-Dichlorobenzene	ND		0.080	
106-46-7	1,4-Dichlorobenzene	ND		0.080	
123-91-1	1,4-Dioxane	ND		0.20	
71-36-3	1-Butanol	ND		0.80	
90-12-0	1-Methylnaphthalene	ND		1.0	
540-84-1	2,2,4-Trimethylpentane	ND		0.20	
565-59-3	2,3-Dimethylpentane	ND		0.080	
78-93-3	2-Butanone	ND		0.32	
95-49-8	2-Chlorotoluene	ND		0.16	
591-78-6	2-Hexanone	ND		0.20	
78-78-4	2-Methylbutane	ND		0.20	
91-57-6	2-Methylnaphthalene	ND		1.0	
107-83-5	2-Methylpentane	ND	*-	0.080	
107-05-1	3-Chloroprene	ND		0.080	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville | Job No.: 140-31459-1
SDG No.:
Client Sample ID: 11028 | Lab Sample ID: 140-31459-1
Matrix: Air | Lab File ID: D21L31459.D
Analysis Method: TO 15 LL | Date Collected: 04/20/2023 15:25
Sample wt/vol: 500(mL) | Date Analyzed: 04/21/2023 16:11
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)
Purge Volume: | Heated Purge: (Y/N) pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 72455 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
622-96-8	4-Ethyltoluene	ND		0.16	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.20	
67-64-1	Acetone	ND		2.0	
75-05-8	Acetonitrile	ND		0.40	
107-02-8	Acrolein	ND		0.40	
107-13-1	Acrylonitrile	ND		0.80	
98-83-9	Alpha Methyl Styrene	ND		0.16	
71-43-2	Benzene	ND		0.080	
100-44-7	Benzyl chloride	ND		0.16	
75-27-4	Bromodichloromethane	ND		0.080	
75-25-2	Bromoform	ND		0.080	
74-83-9	Bromomethane	ND		0.080	
106-97-8	Butane	ND		0.16	
75-15-0	Carbon disulfide	ND		0.20	
56-23-5	Carbon tetrachloride	ND		0.032	
108-90-7	Chlorobenzene	ND		0.080	
75-45-6	Chlorodifluoromethane	ND		0.080	
75-00-3	Chloroethane	ND		0.080	
67-66-3	Chloroform	ND		0.080	
74-87-3	Chloromethane	ND		0.20	
156-59-2	cis-1,2-Dichloroethene	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	ND		0.080	
98-82-8	Cumene	ND		0.16	
110-82-7	Cyclohexane	ND		0.20	
124-48-1	Dibromochloromethane	ND		0.080	
74-95-3	Dibromomethane	ND		0.16	
75-71-8	Dichlorodifluoromethane	ND		0.080	
64-17-5	Ethanol	ND	*-	2.0	
141-78-6	Ethyl acetate	ND		0.80	
60-29-7	Ethyl ether	ND		0.80	
100-41-4	Ethylbenzene	ND		0.080	
87-68-3	Hexachlorobutadiene	ND		0.080	
110-54-3	Hexane	ND		0.20	
496-11-7	Indane	ND		0.080	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville
Job No.: 140-31459-1
SDG No.:
Client Sample ID: 11028
Lab Sample ID: 140-31459-1
Matrix: Air
Lab File ID: D21L31459.D
Analysis Method: TO 15 LL
Date Collected: 04/20/2023 15:25
Sample wt/vol: 500(mL)
Date Analyzed: 04/21/2023 16:11
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-5 ID: 0.32(mm)
Purge Volume:
Heated Purge: (Y/N) pH:
% Moisture: % Solids:
Level: (low/med) Low
Analysis Batch No.: 72455
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
95-13-6	Indene	ND		0.16	
67-63-0	Isopropyl alcohol	ND		0.80	
80-62-6	Methyl methacrylate	ND		0.20	
1634-04-4	Methyl tert-butyl ether	ND		0.16	
108-87-2	Methylcyclohexane	ND		0.080	
75-09-2	Methylene Chloride	ND		0.40	
179601-23-1	m-Xylene & p-Xylene	ND		0.080	
91-20-3	Naphthalene	ND		0.20	
104-51-8	n-Butylbenzene	ND		0.16	
124-18-5	n-Decane	ND		0.40	
112-40-3	n-Dodecane	ND		0.40	
142-82-5	n-Heptane	ND		0.20	
111-84-2	n-Nonane	ND		0.20	
111-65-9	n-Octane	ND		0.16	
103-65-1	N-Propylbenzene	ND		0.16	
95-47-6	o-Xylene	ND		0.080	
99-87-6	p-Cymene	ND		0.080	
109-66-0	Pentane	ND		0.40	
115-07-1	Propene	ND		1.0	
135-98-8	sec-Butylbenzene	ND		0.16	
100-42-5	Styrene	ND		0.080	
75-65-0	tert-Butanol	ND		0.32	
98-06-6	tert-Butylbenzene	ND		0.20	
127-18-4	Tetrachloroethene	ND		0.040	
109-99-9	Tetrahydrofuran	ND		0.40	
110-02-1	Thiophene	ND		0.080	
108-88-3	Toluene	ND		0.12	
156-60-5	trans-1,2-Dichloroethene	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	ND		0.080	
79-01-6	Trichloroethene	ND		0.036	
75-69-4	Trichlorofluoromethane	ND		0.080	
1120-21-4	Undecane	ND		0.40	
108-05-4	Vinyl acetate	ND		0.40	
593-60-2	Vinyl bromide	ND		0.080	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville
Job No.: 140-31459-1
SDG No.:
Client Sample ID: 11028
Lab Sample ID: 140-31459-1
Matrix: Air
Lab File ID: D21L31459.D
Analysis Method: TO 15 LL
Date Collected: 04/20/2023 15:25
Sample wt/vol: 500(mL)
Date Analyzed: 04/21/2023 16:11
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-5 ID: 0.32(mm)
Purge Volume:
Heated Purge: (Y/N) pH:
% Moisture: % Solids:
Level: (low/med) Low
Analysis Batch No.: 72455
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
75-01-4	Vinyl chloride	ND		0.040	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Knoxville Job No.: 140-31459-1

SDG No.:

Client Sample ID: 11028 Lab Sample ID: 140-31459-1

Matrix: Air Lab File ID: D21L31459.D

Analysis Method: TO 15 LL Date Collected: 04/20/2023 15:25

Sample wt/vol: 500(mL) Date Analyzed: 04/21/2023 16:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 72455 Units: ppb v/v

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
488-23-3	1,2,3,4-Tetramethylbenzene TIC		ND		
527-53-7	1,2,3,5-Tetramethylbenzene TIC		ND		
934-80-5	1,2-Dimethyl-4-Ethylbenzene TIC		ND		
872-55-9	2-Ethylthiophene TIC		ND		
554-14-3	2-Methylthiophene TIC		ND		
616-44-4	3-Methylthiophene TIC		ND		
95-15-8	Benzo(b)thiophene TIC		ND		

Eurofins Knoxville
Target Compound Quantitation Report

Data File:	\\chromfs\Knoxville\ChromData\MG\20230420-27790.b\D21L31459.D				
Lims ID:	140-31459-A-1				
Client ID:	11028				
Sample Type:	Client				
Inject. Date:	21-Apr-2023 16:11:30	ALS Bottle#:	17	Worklist Smp#:	6
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0027790-006				
Misc. Info.:	11028				
Operator ID:		Instrument ID:	MG		
Method:	\\chromfs\Knoxville\ChromData\MG\20230420-27790.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	24-Apr-2023 11:07:57	Calib Date:	12-Apr-2023 00:46:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MG\20230411-27689.b\GD11IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1614				
First Level Reviewer: khachitpongpanits		Date:	24-Apr-2023 11:07:57		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.500	9.500	0.000	69	149512	3.76	
* 2 1,4-Difluorobenzene	114	11.657	11.657	0.000	95	755457	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.310	16.310	0.000	91	556482	3.92	
$ 4 4-Bromofluorobenzene (Surr)	95	17.950	17.977	-0.027	92	417134	3.57	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00003 Amount Added: 40.00 Units: mL Run Reagent

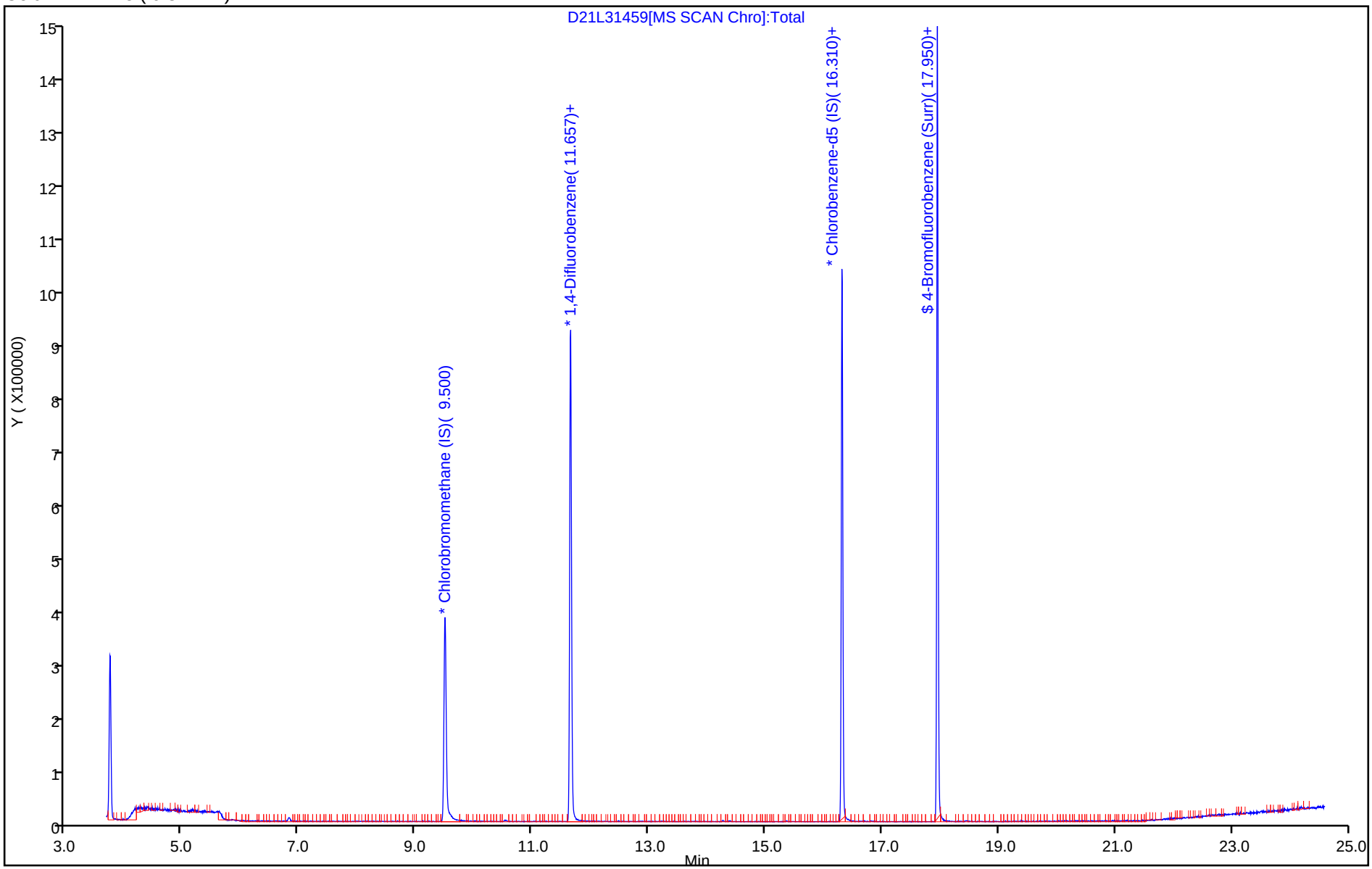
Report Date: 24-Apr-2023 11:07:57 Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Knoxville

Data File: \\chromfs\Knoxville\ChromData\MG\20230420-27790.b\D21L31459.D

Injection Date:	21-Apr-2023 16:11:30	Instrument ID:	MG	Operator ID:	
Lims ID:	140-31459-A-1	Lab Sample ID:	140-31459-1	Worklist Smp#:	6
Client ID:	11028				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



5/18/2023

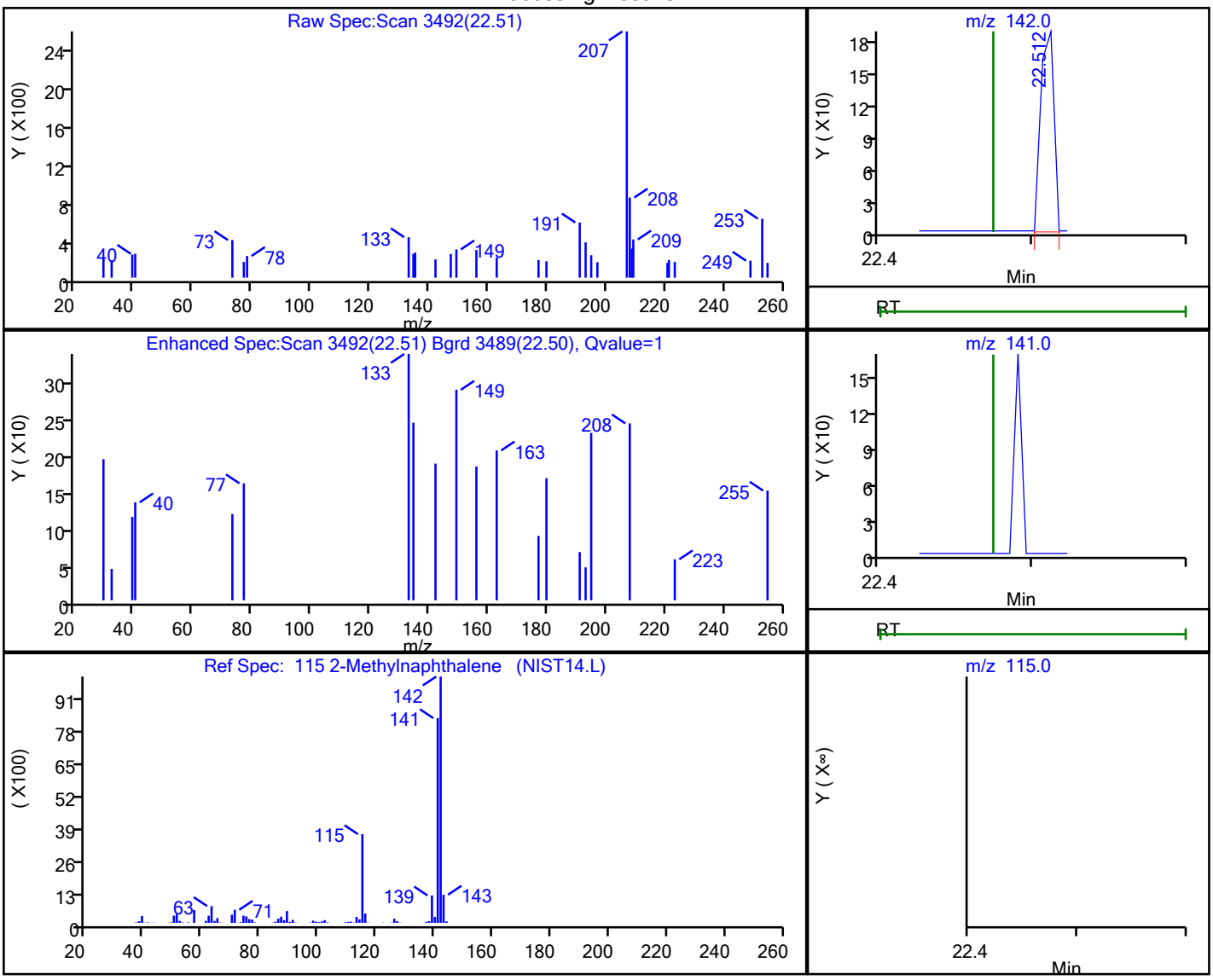
User Disabled Compound Report

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20230420-27790.b\D21L31459.D				
Injection Date:	21-Apr-2023 16:11:30	Instrument ID:	MG		
Lims ID:	140-31459-A-1	Lab Sample ID:	140-31459-1		
Client ID:	11028				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	6
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

115 2-Methylnaphthalene, CAS: 91-57-6

Processing Results



RT	Mass	Response	Amount
22.51	142.00	113	0.000948
22.47	141.00	0	
22.47	115.00	0	

Reviewer: khachitpongpanits, 24-Apr-2023 11:07:55

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

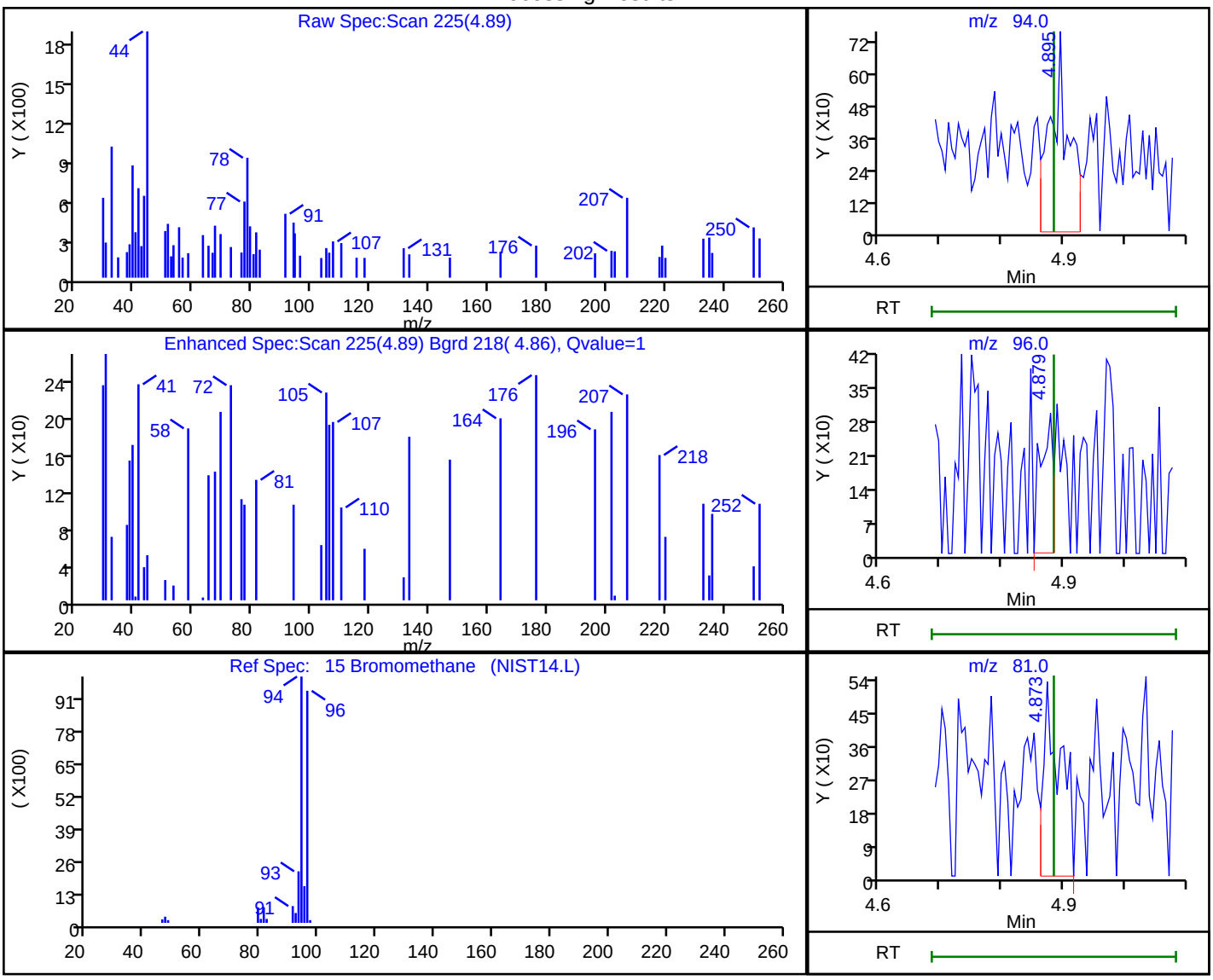
User Disabled Compound Report

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20230420-27790.b\D21L31459.D				
Injection Date:	21-Apr-2023 16:11:30	Instrument ID:	MG		
Lims ID:	140-31459-A-1	Lab Sample ID:	140-31459-1		
Client ID:	11028				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	6
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

15 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
4.89	94.00	1535	0.026793
4.88	96.00	411	
4.87	81.00	1026	

Reviewer: khachitpongpanits, 24-Apr-2023 11:07:03

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

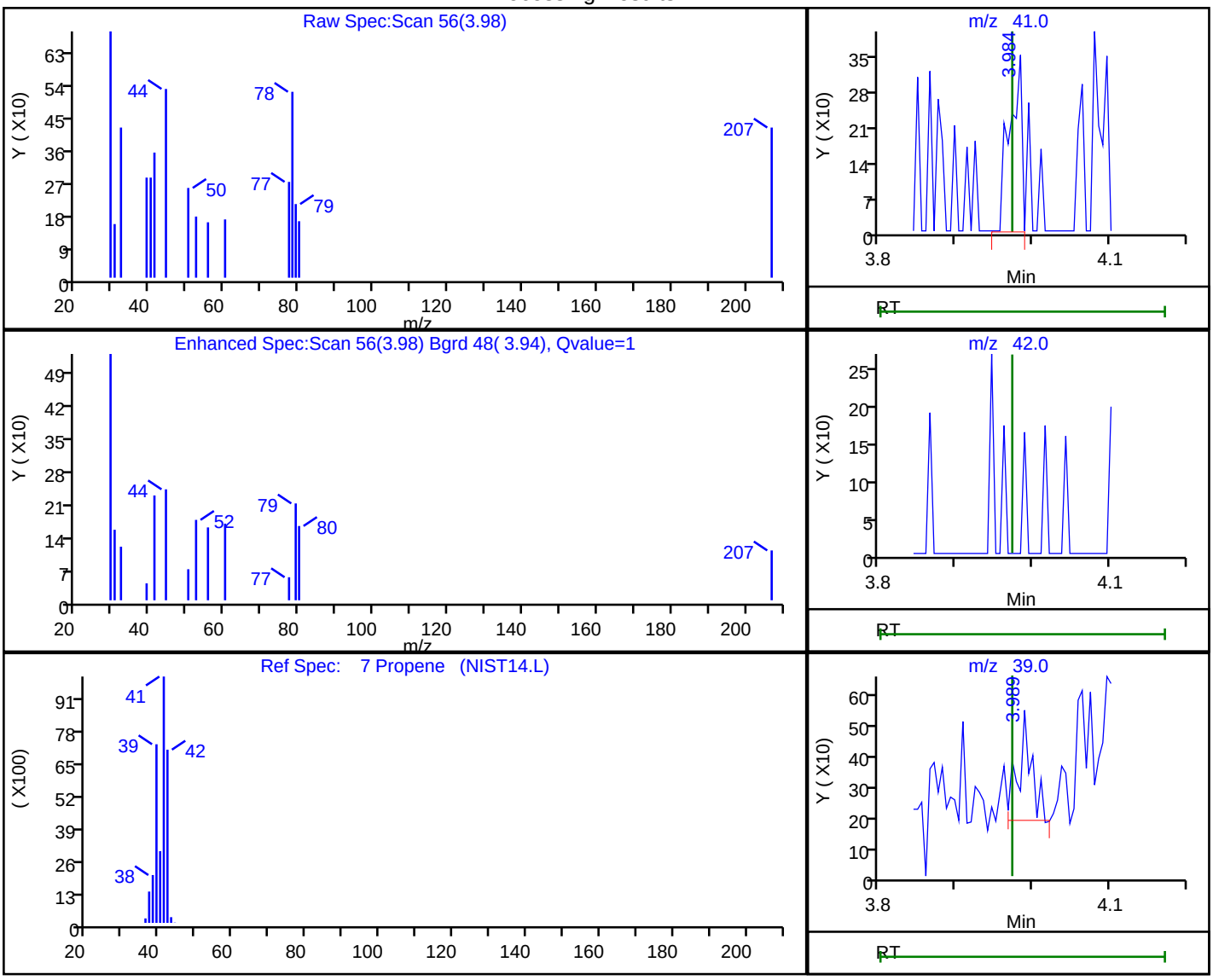
User Disabled Compound Report

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20230420-27790.b\D21L31459.D				
Injection Date:	21-Apr-2023 16:11:30	Instrument ID:	MG		
Lims ID:	140-31459-A-1	Lab Sample ID:	140-31459-1		
Client ID:	11028				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	6
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

7 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
3.98	41.00	386	0.012393
3.97	42.00	0	
3.99	39.00	438	

Reviewer: khachitpongpanits, 24-Apr-2023 11:07:01

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Summa Canister Dilution Worksheet

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job No.: 480-208417-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initals
480-208417-1	6	0	1.00	6.00	0.5	1.03	6.20	20	310.20	413.41	G5 09877	05/03/23 10:22	DDF

Formulae:

Preadjusted Volume (L) = ((Preadjusted Pressure ("Hg) + 29.92 "Hg) * Vol L) / 29.92 "Hg
Adjusted Volume (L) = ((Adjusted Pressure (psig) + 14.7 psig)* Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Jacobs
WSP USA Inc.
40 La Riviere Drive
Suite 320
Buffalo, New York 14202

Generated 6/7/2023 3:19:17 PM

JOB DESCRIPTION

Staub's Textile Services - NYSDEC

JOB NUMBER

480-209322-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Eurofins Buffalo

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

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6/7/2023 3:19:17 PM

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-209322-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-209322-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-209322-1

Comments
No additional comments.

Receipt
The samples were received on 5/30/2023 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received. There was no relinquished date or time.

Air - GC/MS VOA
Methods TO 15 LL, TO-14A, TO-15: EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by Eurofins TestAmerica Knoxville.

Method TO 15 LL: The continuing calibration verification (CCV) associated with batch 140-73788 exhibited % difference of > 30% for the following analyte(s) Ethanol and Hexachlorobutadiene; however, the results were within the LCS acceptance limits. The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-209322-1

Client Sample ID: EFFLUENT 052523 — Lab Sample ID: 480-209322-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	8.6		2.0	0.50	ppb v/v	1		TO 15 LL	Total/NA
Tetrachloroethene	220		4.0	0.60	ppb v/v	1		TO 15 LL	Total/NA
Trichloroethene	2.3		1.8	0.65	ppb v/v	1		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	34		7.9	2.0	ug/m3	1		TO 15 LL	Total/NA
Tetrachloroethene	1500		27	4.1	ug/m3	1		TO 15 LL	Total/NA
Trichloroethene	12		9.7	3.5	ug/m3	1		TO 15 LL	Total/NA

Client Sample ID: EFFLUENT DUPLICATE 052523 — Lab Sample ID: 480-209322-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	9.6		2.0	0.50	ppb v/v	1		TO 15 LL	Total/NA
Tetrachloroethene	230		4.0	0.60	ppb v/v	1		TO 15 LL	Total/NA
Trichloroethene	2.6		1.8	0.65	ppb v/v	1		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	38		7.9	2.0	ug/m3	1		TO 15 LL	Total/NA
Tetrachloroethene	1500		27	4.1	ug/m3	1		TO 15 LL	Total/NA
Trichloroethene	14		9.7	3.5	ug/m3	1		TO 15 LL	Total/NA

Client Sample ID: INFLUENT 052523 — Lab Sample ID: 480-209322-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	28	J	58	15	ppb v/v	36.44		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	14	J	150	11	ppb v/v	36.44		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	590		29	7.3	ppb v/v	36.44		TO 15 LL	Total/NA
Tetrachloroethene	4100		58	8.7	ppb v/v	36.44		TO 15 LL	Total/NA
Trichloroethene	120		26	9.5	ppb v/v	36.44		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	140	J	290	72	ug/m3	36.44		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	65	J	680	51	ug/m3	36.44		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	2300		120	29	ug/m3	36.44		TO 15 LL	Total/NA
Tetrachloroethene	28000		400	59	ug/m3	36.44		TO 15 LL	Total/NA
Trichloroethene	650		140	51	ug/m3	36.44		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-209322-1

Client Sample ID: EFFLUENT 052523

Lab Sample ID: 480-209322-1

Date Collected: 05/25/23 11:15
Matrix: Air
Date Received: 05/30/23 09:45
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.0	U	4.0	1.5	ppb v/v			06/02/23 22:23	1
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.70	ppb v/v			06/02/23 22:23	1
1,1,2-Trichloroethane	4.0	U	4.0	0.75	ppb v/v			06/02/23 22:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.0	U	4.0	0.50	ppb v/v			06/02/23 22:23	1
1,1-Dichloroethane	4.0	U	4.0	0.55	ppb v/v			06/02/23 22:23	1
1,1-Dichloroethene	2.0	U	2.0	0.65	ppb v/v			06/02/23 22:23	1
1,2,4-Trichlorobenzene	4.0	U	4.0	1.8	ppb v/v			06/02/23 22:23	1
1,2,4-Trimethylbenzene	4.0	U	4.0	1.0	ppb v/v			06/02/23 22:23	1
1,2-Dibromoethane	4.0	U	4.0	0.60	ppb v/v			06/02/23 22:23	1
1,2-Dichlorobenzene	4.0	U	4.0	1.6	ppb v/v			06/02/23 22:23	1
1,2-Dichloroethane	4.0	U	4.0	0.50	ppb v/v			06/02/23 22:23	1
1,2-Dichloropropane	4.0	U	4.0	0.50	ppb v/v			06/02/23 22:23	1
1,2-Dichlorotetrafluoroethane	4.0	U	4.0	0.60	ppb v/v			06/02/23 22:23	1
1,3,5-Trimethylbenzene	8.0	U	8.0	3.3	ppb v/v			06/02/23 22:23	1
1,3-Dichlorobenzene	4.0	U	4.0	0.80	ppb v/v			06/02/23 22:23	1
1,4-Dichlorobenzene	4.0	U	4.0	0.80	ppb v/v			06/02/23 22:23	1
1,4-Dioxane	10	U	10	1.5	ppb v/v			06/02/23 22:23	1
2,2,4-Trimethylpentane	10	U	10	0.75	ppb v/v			06/02/23 22:23	1
2-Butanone (MEK)	16	U	16	3.7	ppb v/v			06/02/23 22:23	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.7	ppb v/v			06/02/23 22:23	1
Benzene	4.0	U	4.0	0.65	ppb v/v			06/02/23 22:23	1
Benzyl chloride	8.0	U	8.0	1.9	ppb v/v			06/02/23 22:23	1
Bromodichloromethane	4.0	U	4.0	0.90	ppb v/v			06/02/23 22:23	1
Bromoform	4.0	U	4.0	1.4	ppb v/v			06/02/23 22:23	1
Bromomethane	4.0	U	4.0	1.1	ppb v/v			06/02/23 22:23	1
Carbon tetrachloride	1.6	U	1.6	0.65	ppb v/v			06/02/23 22:23	1
Chlorobenzene	4.0	U	4.0	1.1	ppb v/v			06/02/23 22:23	1
Chloroethane	4.0	U	4.0	1.6	ppb v/v			06/02/23 22:23	1
Chloroform	4.0	U	4.0	0.70	ppb v/v			06/02/23 22:23	1
Chloromethane	10	U	10	3.3	ppb v/v			06/02/23 22:23	1
cis-1,2-Dichloroethene	**8.6**		2.0	0.50	ppb v/v			06/02/23 22:23	1
cis-1,3-Dichloropropene	4.0	U	4.0	0.95	ppb v/v			06/02/23 22:23	1
Cyclohexane	10	U	10	1.9	ppb v/v			06/02/23 22:23	1
Dibromochloromethane	4.0	U	4.0	0.70	ppb v/v			06/02/23 22:23	1
Dichlorodifluoromethane	4.0	U	4.0	0.70	ppb v/v			06/02/23 22:23	1
Ethanol	100	U	100	44	ppb v/v			06/02/23 22:23	1
Ethylbenzene	4.0	U	4.0	0.65	ppb v/v			06/02/23 22:23	1
Hexachlorobutadiene	4.0	U	4.0	1.6	ppb v/v			06/02/23 22:23	1
Hexane	10	U	10	1.3	ppb v/v			06/02/23 22:23	1
Methyl tert-butyl ether	8.0	U	8.0	2.6	ppb v/v			06/02/23 22:23	1
Methylene Chloride	20	U	20	7.0	ppb v/v			06/02/23 22:23	1
m-Xylene & p-Xylene	4.0	U	4.0	1.5	ppb v/v			06/02/23 22:23	1
Naphthalene	10	U	10	2.0	ppb v/v			06/02/23 22:23	1
o-Xylene	4.0	U	4.0	0.75	ppb v/v			06/02/23 22:23	1
Styrene	4.0	U	4.0	1.2	ppb v/v			06/02/23 22:23	1
t-Butyl alcohol	16	U	16	1.7	ppb v/v			06/02/23 22:23	1
Tetrachloroethene	**220**		4.0	0.60	ppb v/v			06/02/23 22:23	1
Toluene	6.0	U	6.0	1.2	ppb v/v			06/02/23 22:23	1

Client Sample ID: EFFLUENT 052523

Lab Sample ID: 480-209322-1

Date Collected: 05/25/23 11:15
Matrix: Air
Date Received: 05/30/23 09:45
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	4.0	U	4.0	0.65	ppb v/v			06/02/23 22:23	1
trans-1,3-Dichloropropene	4.0	U	4.0	1.0	ppb v/v			06/02/23 22:23	1
Trichloroethene	**2.3**		1.8	0.65	ppb v/v			06/02/23 22:23	1
Trichlorofluoromethane	4.0	U	4.0	0.55	ppb v/v			06/02/23 22:23	1
Vinyl chloride	2.0	U	2.0	1.3	ppb v/v			06/02/23 22:23	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	22	U	22	7.9	ug/m3			06/02/23 22:23	1
1,1,2,2-Tetrachloroethane	27	U	27	4.8	ug/m3			06/02/23 22:23	1
1,1,2-Trichloroethane	22	U	22	4.1	ug/m3			06/02/23 22:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	31	U	31	3.8	ug/m3			06/02/23 22:23	1
1,1-Dichloroethane	16	U	16	2.2	ug/m3			06/02/23 22:23	1
1,1-Dichloroethene	7.9	U	7.9	2.6	ug/m3			06/02/23 22:23	1
1,2,4-Trichlorobenzene	30	U	30	13	ug/m3			06/02/23 22:23	1
1,2,4-Trimethylbenzene	20	U	20	4.9	ug/m3			06/02/23 22:23	1
1,2-Dibromoethane	31	U	31	4.6	ug/m3			06/02/23 22:23	1
1,2-Dichlorobenzene	24	U	24	9.3	ug/m3			06/02/23 22:23	1
1,2-Dichloroethane	16	U	16	2.0	ug/m3			06/02/23 22:23	1
1,2-Dichloropropane	18	U	18	2.3	ug/m3			06/02/23 22:23	1
1,2-Dichlorotetrafluoroethane	28	U	28	4.2	ug/m3			06/02/23 22:23	1
1,3,5-Trimethylbenzene	39	U	39	16	ug/m3			06/02/23 22:23	1
1,3-Dichlorobenzene	24	U	24	4.8	ug/m3			06/02/23 22:23	1
1,4-Dichlorobenzene	24	U	24	4.8	ug/m3			06/02/23 22:23	1
1,4-Dioxane	36	U	36	5.4	ug/m3			06/02/23 22:23	1
2,2,4-Trimethylpentane	47	U	47	3.5	ug/m3			06/02/23 22:23	1
2-Butanone (MEK)	47	U	47	11	ug/m3			06/02/23 22:23	1
4-Methyl-2-pentanone (MIBK)	41	U	41	11	ug/m3			06/02/23 22:23	1
Benzene	13	U	13	2.1	ug/m3			06/02/23 22:23	1
Benzyl chloride	41	U	41	9.8	ug/m3			06/02/23 22:23	1
Bromodichloromethane	27	U	27	6.0	ug/m3			06/02/23 22:23	1
Bromoform	41	U	41	14	ug/m3			06/02/23 22:23	1
Bromomethane	16	U	16	4.3	ug/m3			06/02/23 22:23	1
Carbon tetrachloride	10	U	10	4.1	ug/m3			06/02/23 22:23	1
Chlorobenzene	18	U	18	5.1	ug/m3			06/02/23 22:23	1
Chloroethane	11	U	11	4.2	ug/m3			06/02/23 22:23	1
Chloroform	20	U	20	3.4	ug/m3			06/02/23 22:23	1
Chloromethane	21	U	21	6.8	ug/m3			06/02/23 22:23	1
cis-1,2-Dichloroethene	**34**		7.9	2.0	ug/m3			06/02/23 22:23	1
cis-1,3-Dichloropropene	18	U	18	4.3	ug/m3			06/02/23 22:23	1
Cyclohexane	34	U	34	6.4	ug/m3			06/02/23 22:23	1
Dibromochloromethane	34	U	34	6.0	ug/m3			06/02/23 22:23	1
Dichlorodifluoromethane	20	U	20	3.5	ug/m3			06/02/23 22:23	1
Ethanol	190	U	190	82	ug/m3			06/02/23 22:23	1
Ethylbenzene	17	U	17	2.8	ug/m3			06/02/23 22:23	1
Hexachlorobutadiene	43	U	43	17	ug/m3			06/02/23 22:23	1
Hexane	35	U	35	4.4	ug/m3			06/02/23 22:23	1
Methyl tert-butyl ether	29	U	29	9.4	ug/m3			06/02/23 22:23	1
Methylene Chloride	69	U	69	24	ug/m3			06/02/23 22:23	1
m-Xylene & p-Xylene	17	U	17	6.3	ug/m3			06/02/23 22:23	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-209322-1

Client Sample ID: EFFLUENT 052523

Lab Sample ID: 480-209322-1
Matrix: Air

Date Collected: 05/25/23 11:15
Date Received: 05/30/23 09:45
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	52	U	52	10	ug/m3			06/02/23 22:23	1
o-Xylene	17	U	17	3.3	ug/m3			06/02/23 22:23	1
Styrene	17	U	17	5.1	ug/m3			06/02/23 22:23	1
t-Butyl alcohol	49	U	49	5.0	ug/m3			06/02/23 22:23	1
Tetrachloroethene	**1500**		27	4.1	ug/m3			06/02/23 22:23	1
Toluene	23	U	23	4.3	ug/m3			06/02/23 22:23	1
trans-1,2-Dichloroethene	16	U	16	2.6	ug/m3			06/02/23 22:23	1
trans-1,3-Dichloropropene	18	U	18	4.5	ug/m3			06/02/23 22:23	1
Trichloroethene	**12**		9.7	3.5	ug/m3			06/02/23 22:23	1
Trichlorofluoromethane	22	U	22	3.1	ug/m3			06/02/23 22:23	1
Vinyl chloride	5.1	U	5.1	3.3	ug/m3			06/02/23 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 140*		*06/02/23 22:23*	*1*

Client Sample ID: EFFLUENT DUPLICATE 052523

Lab Sample ID: 480-209322-2
Matrix: Air

Date Collected: 05/25/23 12:28
Date Received: 05/30/23 09:45
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.0	U	4.0	1.5	ppb v/v			06/02/23 23:05	1
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.70	ppb v/v			06/02/23 23:05	1
1,1,2-Trichloroethane	4.0	U	4.0	0.75	ppb v/v			06/02/23 23:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.0	U	4.0	0.50	ppb v/v			06/02/23 23:05	1
1,1-Dichloroethane	4.0	U	4.0	0.55	ppb v/v			06/02/23 23:05	1
1,1-Dichloroethene	2.0	U	2.0	0.65	ppb v/v			06/02/23 23:05	1
1,2,4-Trichlorobenzene	4.0	U	4.0	1.8	ppb v/v			06/02/23 23:05	1
1,2,4-Trimethylbenzene	4.0	U	4.0	1.0	ppb v/v			06/02/23 23:05	1
1,2-Dibromoethane	4.0	U	4.0	0.60	ppb v/v			06/02/23 23:05	1
1,2-Dichlorobenzene	4.0	U	4.0	1.6	ppb v/v			06/02/23 23:05	1
1,2-Dichloroethane	4.0	U	4.0	0.50	ppb v/v			06/02/23 23:05	1
1,2-Dichloropropane	4.0	U	4.0	0.50	ppb v/v			06/02/23 23:05	1
1,2-Dichlorotetrafluoroethane	4.0	U	4.0	0.60	ppb v/v			06/02/23 23:05	1
1,3,5-Trimethylbenzene	8.0	U	8.0	3.3	ppb v/v			06/02/23 23:05	1
1,3-Dichlorobenzene	4.0	U	4.0	0.80	ppb v/v			06/02/23 23:05	1
1,4-Dichlorobenzene	4.0	U	4.0	0.80	ppb v/v			06/02/23 23:05	1
1,4-Dioxane	10	U	10	1.5	ppb v/v			06/02/23 23:05	1
2,2,4-Trimethylpentane	10	U	10	0.75	ppb v/v			06/02/23 23:05	1
2-Butanone (MEK)	16	U	16	3.7	ppb v/v			06/02/23 23:05	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.7	ppb v/v			06/02/23 23:05	1
Benzene	4.0	U	4.0	0.65	ppb v/v			06/02/23 23:05	1
Benzyl chloride	8.0	U	8.0	1.9	ppb v/v			06/02/23 23:05	1
Bromodichloromethane	4.0	U	4.0	0.90	ppb v/v			06/02/23 23:05	1
Bromoform	4.0	U	4.0	1.4	ppb v/v			06/02/23 23:05	1
Bromomethane	4.0	U	4.0	1.1	ppb v/v			06/02/23 23:05	1
Carbon tetrachloride	1.6	U	1.6	0.65	ppb v/v			06/02/23 23:05	1
Chlorobenzene	4.0	U	4.0	1.1	ppb v/v			06/02/23 23:05	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-209322-1

Client Sample ID: EFFLUENT DUPLICATE 052523

Lab Sample ID: 480-209322-2

Date Collected: 05/25/23 12:28
Matrix: Air
Date Received: 05/30/23 09:45
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	4.0	U	4.0	1.6	ppb v/v			06/02/23 23:05	1
Chloroform	4.0	U	4.0	0.70	ppb v/v			06/02/23 23:05	1
Chloromethane	10	U	10	3.3	ppb v/v			06/02/23 23:05	1
cis-1,2-Dichloroethene	**9.6**		2.0	0.50	ppb v/v			06/02/23 23:05	1
cis-1,3-Dichloropropene	4.0	U	4.0	0.95	ppb v/v			06/02/23 23:05	1
Cyclohexane	10	U	10	1.9	ppb v/v			06/02/23 23:05	1
Dibromochloromethane	4.0	U	4.0	0.70	ppb v/v			06/02/23 23:05	1
Dichlorodifluoromethane	4.0	U	4.0	0.70	ppb v/v			06/02/23 23:05	1
Ethanol	100	U	100	44	ppb v/v			06/02/23 23:05	1
Ethylbenzene	4.0	U	4.0	0.65	ppb v/v			06/02/23 23:05	1
Hexachlorobutadiene	4.0	U	4.0	1.6	ppb v/v			06/02/23 23:05	1
Hexane	10	U	10	1.3	ppb v/v			06/02/23 23:05	1
Methyl tert-butyl ether	8.0	U	8.0	2.6	ppb v/v			06/02/23 23:05	1
Methylene Chloride	20	U	20	7.0	ppb v/v			06/02/23 23:05	1
m-Xylene & p-Xylene	4.0	U	4.0	1.5	ppb v/v			06/02/23 23:05	1
Naphthalene	10	U	10	2.0	ppb v/v			06/02/23 23:05	1
o-Xylene	4.0	U	4.0	0.75	ppb v/v			06/02/23 23:05	1
Styrene	4.0	U	4.0	1.2	ppb v/v			06/02/23 23:05	1
t-Butyl alcohol	16	U	16	1.7	ppb v/v			06/02/23 23:05	1
Tetrachloroethene	**230**		4.0	0.60	ppb v/v			06/02/23 23:05	1
Toluene	6.0	U	6.0	1.2	ppb v/v			06/02/23 23:05	1
trans-1,2-Dichloroethene	4.0	U	4.0	0.65	ppb v/v			06/02/23 23:05	1
trans-1,3-Dichloropropene	4.0	U	4.0	1.0	ppb v/v			06/02/23 23:05	1
Trichloroethene	**2.6**		1.8	0.65	ppb v/v			06/02/23 23:05	1
Trichlorofluoromethane	4.0	U	4.0	0.55	ppb v/v			06/02/23 23:05	1
Vinyl chloride	2.0	U	2.0	1.3	ppb v/v			06/02/23 23:05	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	22	U	22	7.9	ug/m3			06/02/23 23:05	1
1,1,2,2-Tetrachloroethane	27	U	27	4.8	ug/m3			06/02/23 23:05	1
1,1,2-Trichloroethane	22	U	22	4.1	ug/m3			06/02/23 23:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	31	U	31	3.8	ug/m3			06/02/23 23:05	1
1,1-Dichloroethane	16	U	16	2.2	ug/m3			06/02/23 23:05	1
1,1-Dichloroethene	7.9	U	7.9	2.6	ug/m3			06/02/23 23:05	1
1,2,4-Trichlorobenzene	30	U	30	13	ug/m3			06/02/23 23:05	1
1,2,4-Trimethylbenzene	20	U	20	4.9	ug/m3			06/02/23 23:05	1
1,2-Dibromoethane	31	U	31	4.6	ug/m3			06/02/23 23:05	1
1,2-Dichlorobenzene	24	U	24	9.3	ug/m3			06/02/23 23:05	1
1,2-Dichloroethane	16	U	16	2.0	ug/m3			06/02/23 23:05	1
1,2-Dichloropropane	18	U	18	2.3	ug/m3			06/02/23 23:05	1
1,2-Dichlorotetrafluoroethane	28	U	28	4.2	ug/m3			06/02/23 23:05	1
1,3,5-Trimethylbenzene	39	U	39	16	ug/m3			06/02/23 23:05	1
1,3-Dichlorobenzene	24	U	24	4.8	ug/m3			06/02/23 23:05	1
1,4-Dichlorobenzene	24	U	24	4.8	ug/m3			06/02/23 23:05	1
1,4-Dioxane	36	U	36	5.4	ug/m3			06/02/23 23:05	1
2,2,4-Trimethylpentane	47	U	47	3.5	ug/m3			06/02/23 23:05	1
2-Butanone (MEK)	47	U	47	11	ug/m3			06/02/23 23:05	1
4-Methyl-2-pentanone (MIBK)	41	U	41	11	ug/m3			06/02/23 23:05	1
Benzene	13	U	13	2.1	ug/m3			06/02/23 23:05	1

Client Sample ID: EFFLUENT DUPLICATE 052523

Lab Sample ID: 480-209322-2

Date Collected: 05/25/23 12:28
Matrix: Air
Date Received: 05/30/23 09:45
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	41	U	41	9.8	ug/m3			06/02/23 23:05	1
Bromodichloromethane	27	U	27	6.0	ug/m3			06/02/23 23:05	1
Bromoform	41	U	41	14	ug/m3			06/02/23 23:05	1
Bromomethane	16	U	16	4.3	ug/m3			06/02/23 23:05	1
Carbon tetrachloride	10	U	10	4.1	ug/m3			06/02/23 23:05	1
Chlorobenzene	18	U	18	5.1	ug/m3			06/02/23 23:05	1
Chloroethane	11	U	11	4.2	ug/m3			06/02/23 23:05	1
Chloroform	20	U	20	3.4	ug/m3			06/02/23 23:05	1
Chloromethane	21	U	21	6.8	ug/m3			06/02/23 23:05	1
cis-1,2-Dichloroethene	**38**		7.9	2.0	ug/m3			06/02/23 23:05	1
cis-1,3-Dichloropropene	18	U	18	4.3	ug/m3			06/02/23 23:05	1
Cyclohexane	34	U	34	6.4	ug/m3			06/02/23 23:05	1
Dibromochloromethane	34	U	34	6.0	ug/m3			06/02/23 23:05	1
Dichlorodifluoromethane	20	U	20	3.5	ug/m3			06/02/23 23:05	1
Ethanol	190	U	190	82	ug/m3			06/02/23 23:05	1
Ethylbenzene	17	U	17	2.8	ug/m3			06/02/23 23:05	1
Hexachlorobutadiene	43	U	43	17	ug/m3			06/02/23 23:05	1
Hexane	35	U	35	4.4	ug/m3			06/02/23 23:05	1
Methyl tert-butyl ether	29	U	29	9.4	ug/m3			06/02/23 23:05	1
Methylene Chloride	69	U	69	24	ug/m3			06/02/23 23:05	1
m-Xylene & p-Xylene	17	U	17	6.3	ug/m3			06/02/23 23:05	1
Naphthalene	52	U	52	10	ug/m3			06/02/23 23:05	1
o-Xylene	17	U	17	3.3	ug/m3			06/02/23 23:05	1
Styrene	17	U	17	5.1	ug/m3			06/02/23 23:05	1
t-Butyl alcohol	49	U	49	5.0	ug/m3			06/02/23 23:05	1
Tetrachloroethene	**1500**		27	4.1	ug/m3			06/02/23 23:05	1
Toluene	23	U	23	4.3	ug/m3			06/02/23 23:05	1
trans-1,2-Dichloroethene	16	U	16	2.6	ug/m3			06/02/23 23:05	1
trans-1,3-Dichloropropene	18	U	18	4.5	ug/m3			06/02/23 23:05	1
Trichloroethene	**14**		9.7	3.5	ug/m3			06/02/23 23:05	1
Trichlorofluoromethane	22	U	22	3.1	ug/m3			06/02/23 23:05	1
Vinyl chloride	5.1	U	5.1	3.3	ug/m3			06/02/23 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 140*		*06/02/23 23:05*	*1*

Client Sample ID: INFLUENT 052523

Lab Sample ID: 480-209322-3

Date Collected: 05/25/23 13:57
Matrix: Air
Date Received: 05/30/23 09:45
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	58	U	58	21	ppb v/v			06/02/23 23:49	36.44
1,1,2,2-Tetrachloroethane	58	U	58	10	ppb v/v			06/02/23 23:49	36.44
1,1,2-Trichloroethane	58	U	58	11	ppb v/v			06/02/23 23:49	36.44
1,1,2-Trichloro-1,2,2-trifluoroethane	58	U	58	7.3	ppb v/v			06/02/23 23:49	36.44
1,1-Dichloroethane	58	U	58	8.0	ppb v/v			06/02/23 23:49	36.44
1,1-Dichloroethene	29	U	29	9.5	ppb v/v			06/02/23 23:49	36.44

Client Sample ID: INFLUENT 052523

Lab Sample ID: 480-209322-3

Date Collected: 05/25/23 13:57
Matrix: Air
Date Received: 05/30/23 09:45
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	58	U	58	26	ppb v/v			06/02/23 23:49	36.44
1,2,4-Trimethylbenzene	**28**	**J**	58	15	ppb v/v			06/02/23 23:49	36.44
1,2-Dibromoethane	58	U	58	8.7	ppb v/v			06/02/23 23:49	36.44
1,2-Dichlorobenzene	58	U	58	23	ppb v/v			06/02/23 23:49	36.44
1,2-Dichloroethane	58	U	58	7.3	ppb v/v			06/02/23 23:49	36.44
1,2-Dichloropropane	58	U	58	7.3	ppb v/v			06/02/23 23:49	36.44
1,2-Dichlorotetrafluoroethane	58	U	58	8.7	ppb v/v			06/02/23 23:49	36.44
1,3,5-Trimethylbenzene	120	U	120	47	ppb v/v			06/02/23 23:49	36.44
1,3-Dichlorobenzene	58	U	58	12	ppb v/v			06/02/23 23:49	36.44
1,4-Dichlorobenzene	58	U	58	12	ppb v/v			06/02/23 23:49	36.44
1,4-Dioxane	150	U	150	22	ppb v/v			06/02/23 23:49	36.44
2,2,4-Trimethylpentane	**14**	**J**	150	11	ppb v/v			06/02/23 23:49	36.44
2-Butanone (MEK)	230	U	230	53	ppb v/v			06/02/23 23:49	36.44
4-Methyl-2-pentanone (MIBK)	150	U	150	39	ppb v/v			06/02/23 23:49	36.44
Benzene	58	U	58	9.5	ppb v/v			06/02/23 23:49	36.44
Benzyl chloride	120	U	120	28	ppb v/v			06/02/23 23:49	36.44
Bromodichloromethane	58	U	58	13	ppb v/v			06/02/23 23:49	36.44
Bromoform	58	U	58	20	ppb v/v			06/02/23 23:49	36.44
Bromomethane	58	U	58	16	ppb v/v			06/02/23 23:49	36.44
Carbon tetrachloride	23	U	23	9.5	ppb v/v			06/02/23 23:49	36.44
Chlorobenzene	58	U	58	16	ppb v/v			06/02/23 23:49	36.44
Chloroethane	58	U	58	23	ppb v/v			06/02/23 23:49	36.44
Chloroform	58	U	58	10	ppb v/v			06/02/23 23:49	36.44
Chloromethane	150	U	150	48	ppb v/v			06/02/23 23:49	36.44
cis-1,2-Dichloroethene	**590**		29	7.3	ppb v/v			06/02/23 23:49	36.44
cis-1,3-Dichloropropene	58	U	58	14	ppb v/v			06/02/23 23:49	36.44
Cyclohexane	150	U	150	27	ppb v/v			06/02/23 23:49	36.44
Dibromochloromethane	58	U	58	10	ppb v/v			06/02/23 23:49	36.44
Dichlorodifluoromethane	58	U	58	10	ppb v/v			06/02/23 23:49	36.44
Ethanol	1500	U	1500	630	ppb v/v			06/02/23 23:49	36.44
Ethylbenzene	58	U	58	9.5	ppb v/v			06/02/23 23:49	36.44
Hexachlorobutadiene	58	U	58	23	ppb v/v			06/02/23 23:49	36.44
Hexane	150	U	150	18	ppb v/v			06/02/23 23:49	36.44
Methyl tert-butyl ether	120	U	120	38	ppb v/v			06/02/23 23:49	36.44
Methylene Chloride	290	U	290	100	ppb v/v			06/02/23 23:49	36.44
m-Xylene & p-Xylene	58	U	58	21	ppb v/v			06/02/23 23:49	36.44
Naphthalene	150	U	150	28	ppb v/v			06/02/23 23:49	36.44
o-Xylene	58	U	58	11	ppb v/v			06/02/23 23:49	36.44
Styrene	58	U	58	17	ppb v/v			06/02/23 23:49	36.44
t-Butyl alcohol	230	U	230	24	ppb v/v			06/02/23 23:49	36.44
Tetrachloroethene	**4100**		58	8.7	ppb v/v			06/02/23 23:49	36.44
Toluene	87	U	87	17	ppb v/v			06/02/23 23:49	36.44
trans-1,2-Dichloroethene	58	U	58	9.5	ppb v/v			06/02/23 23:49	36.44
trans-1,3-Dichloropropene	58	U	58	15	ppb v/v			06/02/23 23:49	36.44
Trichloroethene	**120**		26	9.5	ppb v/v			06/02/23 23:49	36.44
Trichlorofluoromethane	58	U	58	8.0	ppb v/v			06/02/23 23:49	36.44
Vinyl chloride	29	U	29	19	ppb v/v			06/02/23 23:49	36.44

Client Sample Results

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-209322-1

Client Sample ID: INFLUENT 052523

Lab Sample ID: 480-209322-3

Date Collected: 05/25/23 13:57
Matrix: Air
Date Received: 05/30/23 09:45
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	320	U	320	120	ug/m3			06/02/23 23:49	36.44
1,1,2,2-Tetrachloroethane	400	U	400	70	ug/m3			06/02/23 23:49	36.44
1,1,2-Trichloroethane	320	U	320	60	ug/m3			06/02/23 23:49	36.44
1,1,2-Trichloro-1,2,2-trifluoroethane	450	U	450	56	ug/m3			06/02/23 23:49	36.44
1,1-Dichloroethane	240	U	240	32	ug/m3			06/02/23 23:49	36.44
1,1-Dichloroethene	120	U	120	38	ug/m3			06/02/23 23:49	36.44
1,2,4-Trichlorobenzene	430	U	430	190	ug/m3			06/02/23 23:49	36.44
1,2,4-Trimethylbenzene	**140**	**J**	290	72	ug/m3			06/02/23 23:49	36.44
1,2-Dibromoethane	450	U	450	67	ug/m3			06/02/23 23:49	36.44
1,2-Dichlorobenzene	350	U	350	140	ug/m3			06/02/23 23:49	36.44
1,2-Dichloroethane	240	U	240	29	ug/m3			06/02/23 23:49	36.44
1,2-Dichloropropane	270	U	270	34	ug/m3			06/02/23 23:49	36.44
1,2-Dichlorotetrafluoroethane	410	U	410	61	ug/m3			06/02/23 23:49	36.44
1,3,5-Trimethylbenzene	570	U	570	230	ug/m3			06/02/23 23:49	36.44
1,3-Dichlorobenzene	350	U	350	70	ug/m3			06/02/23 23:49	36.44
1,4-Dichlorobenzene	350	U	350	70	ug/m3			06/02/23 23:49	36.44
1,4-Dioxane	530	U	530	79	ug/m3			06/02/23 23:49	36.44
2,2,4-Trimethylpentane	**65**	**J**	680	51	ug/m3			06/02/23 23:49	36.44
2-Butanone (MEK)	690	U	690	160	ug/m3			06/02/23 23:49	36.44
4-Methyl-2-pentanone (MIBK)	600	U	600	160	ug/m3			06/02/23 23:49	36.44
Benzene	190	U	190	30	ug/m3			06/02/23 23:49	36.44
Benzyl chloride	600	U	600	140	ug/m3			06/02/23 23:49	36.44
Bromodichloromethane	390	U	390	88	ug/m3			06/02/23 23:49	36.44
Bromoform	600	U	600	200	ug/m3			06/02/23 23:49	36.44
Bromomethane	230	U	230	62	ug/m3			06/02/23 23:49	36.44
Carbon tetrachloride	150	U	150	60	ug/m3			06/02/23 23:49	36.44
Chlorobenzene	270	U	270	74	ug/m3			06/02/23 23:49	36.44
Chloroethane	150	U	150	62	ug/m3			06/02/23 23:49	36.44
Chloroform	280	U	280	50	ug/m3			06/02/23 23:49	36.44
Chloromethane	300	U	300	99	ug/m3			06/02/23 23:49	36.44
cis-1,2-Dichloroethene	**2300**		120	29	ug/m3			06/02/23 23:49	36.44
cis-1,3-Dichloropropene	260	U	260	63	ug/m3			06/02/23 23:49	36.44
Cyclohexane	500	U	500	93	ug/m3			06/02/23 23:49	36.44
Dibromochloromethane	500	U	500	87	ug/m3			06/02/23 23:49	36.44
Dichlorodifluoromethane	290	U	290	50	ug/m3			06/02/23 23:49	36.44
Ethanol	2700	U	2700	1200	ug/m3			06/02/23 23:49	36.44
Ethylbenzene	250	U	250	41	ug/m3			06/02/23 23:49	36.44
Hexachlorobutadiene	620	U	620	250	ug/m3			06/02/23 23:49	36.44
Hexane	510	U	510	64	ug/m3			06/02/23 23:49	36.44
Methyl tert-butyl ether	420	U	420	140	ug/m3			06/02/23 23:49	36.44
Methylene Chloride	1000	U	1000	350	ug/m3			06/02/23 23:49	36.44
m-Xylene & p-Xylene	250	U	250	92	ug/m3			06/02/23 23:49	36.44
Naphthalene	760	U	760	150	ug/m3			06/02/23 23:49	36.44
o-Xylene	250	U	250	47	ug/m3			06/02/23 23:49	36.44
Styrene	250	U	250	75	ug/m3			06/02/23 23:49	36.44
t-Butyl alcohol	710	U	710	73	ug/m3			06/02/23 23:49	36.44
Tetrachloroethene	**28000**		400	59	ug/m3			06/02/23 23:49	36.44
Toluene	330	U	330	63	ug/m3			06/02/23 23:49	36.44
trans-1,2-Dichloroethene	230	U	230	38	ug/m3			06/02/23 23:49	36.44

Client Sample Results

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-209322-1

Client Sample ID: INFLUENT 052523

Lab Sample ID: 480-209322-3

Date Collected: 05/25/23 13:57
Matrix: Air
Date Received: 05/30/23 09:45
Sample Container: Summa Canister 6L

Method: EPA TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	260	U	260	66	ug/m3			06/02/23 23:49	36.44
Trichloroethene	**650**		140	51	ug/m3			06/02/23 23:49	36.44
Trichlorofluoromethane	330	U	330	45	ug/m3			06/02/23 23:49	36.44
Vinyl chloride	75	U	75	48	ug/m3			06/02/23 23:49	36.44

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 140*		*06/02/23 23:49*	*36.44*

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-209322-1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Matrix: Air **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	**Client Sample ID**	**BFB (60-140)**								
480-209322-1	EFFLUENT 052523	87								
480-209322-2	EFFLUENT DUPLICATE 05252:	86								
480-209322-3	INFLUENT 052523	83								
LCS 140-73788/1002	Lab Control Sample	94								
MB 140-73788/5	Method Blank	84								

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Lab Sample ID: MB 140-73788/5
Matrix: Air
Analysis Batch: 73788

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.080	U	0.080	0.029	ppb v/v			06/02/23 10:56	1
1,1,2,2-Tetrachloroethane	0.080	U	0.080	0.014	ppb v/v			06/02/23 10:56	1
1,1,2-Trichloroethane	0.080	U	0.080	0.015	ppb v/v			06/02/23 10:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	0.080	0.010	ppb v/v			06/02/23 10:56	1
1,1-Dichloroethane	0.080	U	0.080	0.011	ppb v/v			06/02/23 10:56	1
1,1-Dichloroethene	0.040	U	0.040	0.013	ppb v/v			06/02/23 10:56	1
1,2,4-Trichlorobenzene	0.080	U	0.080	0.035	ppb v/v			06/02/23 10:56	1
1,2,4-Trimethylbenzene	0.080	U	0.080	0.020	ppb v/v			06/02/23 10:56	1
1,2-Dibromoethane	0.080	U	0.080	0.012	ppb v/v			06/02/23 10:56	1
1,2-Dichlorobenzene	0.080	U	0.080	0.031	ppb v/v			06/02/23 10:56	1
1,2-Dichloroethane	0.080	U	0.080	0.010	ppb v/v			06/02/23 10:56	1
1,2-Dichloropropane	0.080	U	0.080	0.010	ppb v/v			06/02/23 10:56	1
1,2-Dichlorotetrafluoroethane	0.080	U	0.080	0.012	ppb v/v			06/02/23 10:56	1
1,3,5-Trimethylbenzene	0.16	U	0.16	0.065	ppb v/v			06/02/23 10:56	1
1,3-Dichlorobenzene	0.0248	J	0.080	0.016	ppb v/v			06/02/23 10:56	1
1,4-Dichlorobenzene	0.080	U	0.080	0.016	ppb v/v			06/02/23 10:56	1
1,4-Dioxane	0.20	U	0.20	0.030	ppb v/v			06/02/23 10:56	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.015	ppb v/v			06/02/23 10:56	1
2-Butanone (MEK)	0.32	U	0.32	0.073	ppb v/v			06/02/23 10:56	1
4-Methyl-2-pentanone (MIBK)	0.20	U	0.20	0.054	ppb v/v			06/02/23 10:56	1
Benzene	0.080	U	0.080	0.013	ppb v/v			06/02/23 10:56	1
Benzyl chloride	0.16	U	0.16	0.038	ppb v/v			06/02/23 10:56	1
Bromodichloromethane	0.080	U	0.080	0.018	ppb v/v			06/02/23 10:56	1
Bromoform	0.080	U	0.080	0.027	ppb v/v			06/02/23 10:56	1
Bromomethane	0.080	U	0.080	0.022	ppb v/v			06/02/23 10:56	1
Carbon tetrachloride	0.032	U	0.032	0.013	ppb v/v			06/02/23 10:56	1
Chlorobenzene	0.080	U	0.080	0.022	ppb v/v			06/02/23 10:56	1
Chloroethane	0.080	U	0.080	0.032	ppb v/v			06/02/23 10:56	1
Chloroform	0.080	U	0.080	0.014	ppb v/v			06/02/23 10:56	1
Chloromethane	0.20	U	0.20	0.066	ppb v/v			06/02/23 10:56	1
cis-1,2-Dichloroethene	0.040	U	0.040	0.010	ppb v/v			06/02/23 10:56	1
cis-1,3-Dichloropropene	0.080	U	0.080	0.019	ppb v/v			06/02/23 10:56	1
Cyclohexane	0.20	U	0.20	0.037	ppb v/v			06/02/23 10:56	1
Dibromochloromethane	0.080	U	0.080	0.014	ppb v/v			06/02/23 10:56	1
Dichlorodifluoromethane	0.080	U	0.080	0.014	ppb v/v			06/02/23 10:56	1
Ethanol	2.0	U	2.0	0.87	ppb v/v			06/02/23 10:56	1
Ethylbenzene	0.080	U	0.080	0.013	ppb v/v			06/02/23 10:56	1
Hexachlorobutadiene	0.080	U	0.080	0.032	ppb v/v			06/02/23 10:56	1
Hexane	0.20	U	0.20	0.025	ppb v/v			06/02/23 10:56	1
Methyl tert-butyl ether	0.16	U	0.16	0.052	ppb v/v			06/02/23 10:56	1
Methylene Chloride	0.40	U	0.40	0.14	ppb v/v			06/02/23 10:56	1
m-Xylene & p-Xylene	0.080	U	0.080	0.029	ppb v/v			06/02/23 10:56	1
Naphthalene	0.20	U	0.20	0.039	ppb v/v			06/02/23 10:56	1
o-Xylene	0.080	U	0.080	0.015	ppb v/v			06/02/23 10:56	1
Styrene	0.080	U	0.080	0.024	ppb v/v			06/02/23 10:56	1
t-Butyl alcohol	0.32	U	0.32	0.033	ppb v/v			06/02/23 10:56	1
Tetrachloroethene	0.080	U	0.080	0.012	ppb v/v			06/02/23 10:56	1
Toluene	0.12	U	0.12	0.023	ppb v/v			06/02/23 10:56	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 140-73788/5
Matrix: Air
Analysis Batch: 73788

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.080	U	0.080	0.013	ppb v/v			06/02/23 10:56	1
trans-1,3-Dichloropropene	0.080	U	0.080	0.020	ppb v/v			06/02/23 10:56	1
Trichloroethene	0.036	U	0.036	0.013	ppb v/v			06/02/23 10:56	1
Trichlorofluoromethane	0.080	U	0.080	0.011	ppb v/v			06/02/23 10:56	1
Vinyl chloride	0.040	U	0.040	0.026	ppb v/v			06/02/23 10:56	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.44	U	0.44	0.16	ug/m3			06/02/23 10:56	1
1,1,2,2-Tetrachloroethane	0.55	U	0.55	0.096	ug/m3			06/02/23 10:56	1
1,1,2-Trichloroethane	0.44	U	0.44	0.082	ug/m3			06/02/23 10:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.61	U	0.61	0.077	ug/m3			06/02/23 10:56	1
1,1-Dichloroethane	0.32	U	0.32	0.045	ug/m3			06/02/23 10:56	1
1,1-Dichloroethene	0.16	U	0.16	0.052	ug/m3			06/02/23 10:56	1
1,2,4-Trichlorobenzene	0.59	U	0.59	0.26	ug/m3			06/02/23 10:56	1
1,2,4-Trimethylbenzene	0.39	U	0.39	0.098	ug/m3			06/02/23 10:56	1
1,2-Dibromoethane	0.61	U	0.61	0.092	ug/m3			06/02/23 10:56	1
1,2-Dichlorobenzene	0.48	U	0.48	0.19	ug/m3			06/02/23 10:56	1
1,2-Dichloroethane	0.32	U	0.32	0.040	ug/m3			06/02/23 10:56	1
1,2-Dichloropropane	0.37	U	0.37	0.046	ug/m3			06/02/23 10:56	1
1,2-Dichlorotetrafluoroethane	0.56	U	0.56	0.084	ug/m3			06/02/23 10:56	1
1,3,5-Trimethylbenzene	0.79	U	0.79	0.32	ug/m3			06/02/23 10:56	1
1,3-Dichlorobenzene	0.149	J	0.48	0.096	ug/m3			06/02/23 10:56	1
1,4-Dichlorobenzene	0.48	U	0.48	0.096	ug/m3			06/02/23 10:56	1
1,4-Dioxane	0.72	U	0.72	0.11	ug/m3			06/02/23 10:56	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.070	ug/m3			06/02/23 10:56	1
2-Butanone (MEK)	0.94	U	0.94	0.22	ug/m3			06/02/23 10:56	1
4-Methyl-2-pentanone (MIBK)	0.82	U	0.82	0.22	ug/m3			06/02/23 10:56	1
Benzene	0.26	U	0.26	0.042	ug/m3			06/02/23 10:56	1
Benzyl chloride	0.83	U	0.83	0.20	ug/m3			06/02/23 10:56	1
Bromodichloromethane	0.54	U	0.54	0.12	ug/m3			06/02/23 10:56	1
Bromoform	0.83	U	0.83	0.28	ug/m3			06/02/23 10:56	1
Bromomethane	0.31	U	0.31	0.085	ug/m3			06/02/23 10:56	1
Carbon tetrachloride	0.20	U	0.20	0.082	ug/m3			06/02/23 10:56	1
Chlorobenzene	0.37	U	0.37	0.10	ug/m3			06/02/23 10:56	1
Chloroethane	0.21	U	0.21	0.084	ug/m3			06/02/23 10:56	1
Chloroform	0.39	U	0.39	0.068	ug/m3			06/02/23 10:56	1
Chloromethane	0.41	U	0.41	0.14	ug/m3			06/02/23 10:56	1
cis-1,2-Dichloroethene	0.16	U	0.16	0.040	ug/m3			06/02/23 10:56	1
cis-1,3-Dichloropropene	0.36	U	0.36	0.086	ug/m3			06/02/23 10:56	1
Cyclohexane	0.69	U	0.69	0.13	ug/m3			06/02/23 10:56	1
Dibromochloromethane	0.68	U	0.68	0.12	ug/m3			06/02/23 10:56	1
Dichlorodifluoromethane	0.40	U	0.40	0.069	ug/m3			06/02/23 10:56	1
Ethanol	3.8	U	3.8	1.6	ug/m3			06/02/23 10:56	1
Ethylbenzene	0.35	U	0.35	0.056	ug/m3			06/02/23 10:56	1
Hexachlorobutadiene	0.85	U	0.85	0.34	ug/m3			06/02/23 10:56	1
Hexane	0.70	U	0.70	0.088	ug/m3			06/02/23 10:56	1
Methyl tert-butyl ether	0.58	U	0.58	0.19	ug/m3			06/02/23 10:56	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 140-73788/5
Matrix: Air
Analysis Batch: 73788

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.4	U	1.4	0.49	ug/m3			06/02/23 10:56	1
m-Xylene & p-Xylene	0.35	U	0.35	0.13	ug/m3			06/02/23 10:56	1
Naphthalene	1.0	U	1.0	0.20	ug/m3			06/02/23 10:56	1
o-Xylene	0.35	U	0.35	0.065	ug/m3			06/02/23 10:56	1
Styrene	0.34	U	0.34	0.10	ug/m3			06/02/23 10:56	1
t-Butyl alcohol	0.97	U	0.97	0.10	ug/m3			06/02/23 10:56	1
Tetrachloroethene	0.54	U	0.54	0.081	ug/m3			06/02/23 10:56	1
Toluene	0.45	U	0.45	0.087	ug/m3			06/02/23 10:56	1
trans-1,2-Dichloroethene	0.32	U	0.32	0.052	ug/m3			06/02/23 10:56	1
trans-1,3-Dichloropropene	0.36	U	0.36	0.091	ug/m3			06/02/23 10:56	1
Trichloroethene	0.19	U	0.19	0.070	ug/m3			06/02/23 10:56	1
Trichlorofluoromethane	0.45	U	0.45	0.062	ug/m3			06/02/23 10:56	1
Vinyl chloride	0.10	U	0.10	0.066	ug/m3			06/02/23 10:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 140*		*06/02/23 10:56*	*1*

Lab Sample ID: LCS 140-73788/1002
Matrix: Air
Analysis Batch: 73788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	2.00	2.15		ppb v/v		108	70 - 130
1,1,2,2-Tetrachloroethane	2.00	2.02		ppb v/v		101	70 - 130
1,1,2-Trichloroethane	2.00	2.05		ppb v/v		102	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	2.07		ppb v/v		103	70 - 130
1,1-Dichloroethane	2.00	2.16		ppb v/v		108	70 - 130
1,1-Dichloroethene	2.00	1.91		ppb v/v		96	70 - 130
1,2,4-Trichlorobenzene	2.00	1.73		ppb v/v		86	60 - 140
1,2,4-Trimethylbenzene	2.00	2.15		ppb v/v		108	70 - 130
1,2-Dibromoethane	2.00	2.05		ppb v/v		103	70 - 130
1,2-Dichlorobenzene	2.00	2.16		ppb v/v		108	70 - 130
1,2-Dichloroethane	2.00	2.41		ppb v/v		121	70 - 130
1,2-Dichloropropane	2.00	2.12		ppb v/v		106	70 - 130
1,2-Dichlorotetrafluoroethane	2.00	1.89		ppb v/v		95	60 - 140
1,3,5-Trimethylbenzene	2.00	2.39		ppb v/v		119	70 - 130
1,3-Dichlorobenzene	2.00	2.13		ppb v/v		106	70 - 130
1,4-Dichlorobenzene	2.00	2.25		ppb v/v		112	70 - 130
1,4-Dioxane	2.00	1.79		ppb v/v		90	60 - 140
2,2,4-Trimethylpentane	2.00	2.01		ppb v/v		101	70 - 130
2-Butanone (MEK)	2.00	1.87		ppb v/v		94	60 - 140
4-Methyl-2-pentanone (MIBK)	2.00	1.82		ppb v/v		91	60 - 140
Benzene	2.00	1.97		ppb v/v		98	70 - 130
Benzyl chloride	2.00	2.22		ppb v/v		111	70 - 130
Bromodichloromethane	2.00	2.33		ppb v/v		117	70 - 130
Bromoform	2.00	1.94		ppb v/v		97	60 - 140

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 140-73788/1002
Matrix: Air
Analysis Batch: 73788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	2.00	1.80		ppb v/v		90	70 - 130
Carbon tetrachloride	2.00	2.60		ppb v/v		130	70 - 130
Chlorobenzene	2.00	2.14		ppb v/v		107	70 - 130
Chloroethane	2.00	1.68		ppb v/v		84	70 - 130
Chloroform	2.00	2.14		ppb v/v		107	70 - 130
Chloromethane	2.00	1.64		ppb v/v		82	60 - 140
cis-1,2-Dichloroethene	2.00	1.92		ppb v/v		96	70 - 130
cis-1,3-Dichloropropene	2.00	2.14		ppb v/v		107	70 - 130
Cyclohexane	2.00	1.84		ppb v/v		92	70 - 130
Dibromochloromethane	2.00	2.28		ppb v/v		114	70 - 130
Dichlorodifluoromethane	2.00	2.29		ppb v/v		115	60 - 140
Ethanol	10.0	6.50		ppb v/v		65	60 - 140
Ethylbenzene	2.00	1.83		ppb v/v		92	70 - 130
Hexachlorobutadiene	2.00	1.20		ppb v/v		60	60 - 140
Hexane	2.00	1.98		ppb v/v		99	70 - 130
Methyl tert-butyl ether	2.00	2.05		ppb v/v		103	60 - 140
Methylene Chloride	2.00	1.85		ppb v/v		92	70 - 130
m-Xylene & p-Xylene	4.00	3.77		ppb v/v		94	70 - 130
Naphthalene	2.00	2.07		ppb v/v		103	60 - 140
o-Xylene	2.00	1.90		ppb v/v		95	70 - 130
Styrene	2.00	1.92		ppb v/v		96	70 - 130
t-Butyl alcohol	2.00	2.04		ppb v/v		102	60 - 140
Tetrachloroethene	2.00	2.08		ppb v/v		104	70 - 130
Toluene	2.00	1.91		ppb v/v		96	70 - 130
trans-1,2-Dichloroethene	2.00	1.93		ppb v/v		96	70 - 130
trans-1,3-Dichloropropene	2.00	2.07		ppb v/v		104	70 - 130
Trichloroethene	2.00	2.09		ppb v/v		105	70 - 130
Trichlorofluoromethane	2.00	2.16		ppb v/v		108	60 - 140
Vinyl chloride	2.00	1.85		ppb v/v		92	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	11	11.7		ug/m3		108	70 - 130
1,1,2,2-Tetrachloroethane	14	13.8		ug/m3		101	70 - 130
1,1,2-Trichloroethane	11	11.2		ug/m3		102	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	15	15.8		ug/m3		103	70 - 130
1,1-Dichloroethane	8.1	8.75		ug/m3		108	70 - 130
1,1-Dichloroethene	7.9	7.58		ug/m3		96	70 - 130
1,2,4-Trichlorobenzene	15	12.8		ug/m3		86	60 - 140
1,2,4-Trimethylbenzene	9.8	10.6		ug/m3		108	70 - 130
1,2-Dibromoethane	15	15.8		ug/m3		103	70 - 130
1,2-Dichlorobenzene	12	13.0		ug/m3		108	70 - 130
1,2-Dichloroethane	8.1	9.77		ug/m3		121	70 - 130
1,2-Dichloropropane	9.2	9.79		ug/m3		106	70 - 130
1,2-Dichlorotetrafluoroethane	14	13.2		ug/m3		95	60 - 140
1,3,5-Trimethylbenzene	9.8	11.7		ug/m3		119	70 - 130
1,3-Dichlorobenzene	12	12.8		ug/m3		106	70 - 130
1,4-Dichlorobenzene	12	13.5		ug/m3		112	70 - 130

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 140-73788/1002
Matrix: Air
Analysis Batch: 73788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	7.2	6.46		ug/m3		90	60 - 140
2,2,4-Trimethylpentane	9.3	9.40		ug/m3		101	70 - 130
2-Butanone (MEK)	5.9	5.53		ug/m3		94	60 - 140
4-Methyl-2-pentanone (MIBK)	8.2	7.44		ug/m3		91	60 - 140
Benzene	6.4	6.28		ug/m3		98	70 - 130
Benzyl chloride	10	11.5		ug/m3		111	70 - 130
Bromodichloromethane	13	15.6		ug/m3		117	70 - 130
Bromoform	21	20.0		ug/m3		97	60 - 140
Bromomethane	7.8	6.97		ug/m3		90	70 - 130
Carbon tetrachloride	13	16.4		ug/m3		130	70 - 130
Chlorobenzene	9.2	9.86		ug/m3		107	70 - 130
Chloroethane	5.3	4.43		ug/m3		84	70 - 130
Chloroform	9.8	10.4		ug/m3		107	70 - 130
Chloromethane	4.1	3.39		ug/m3		82	60 - 140
cis-1,2-Dichloroethene	7.9	7.59		ug/m3		96	70 - 130
cis-1,3-Dichloropropene	9.1	9.73		ug/m3		107	70 - 130
Cyclohexane	6.9	6.32		ug/m3		92	70 - 130
Dibromochloromethane	17	19.5		ug/m3		114	70 - 130
Dichlorodifluoromethane	9.9	11.3		ug/m3		115	60 - 140
Ethanol	19	12.3		ug/m3		65	60 - 140
Ethylbenzene	8.7	7.95		ug/m3		92	70 - 130
Hexachlorobutadiene	21	12.8		ug/m3		60	60 - 140
Hexane	7.0	6.97		ug/m3		99	70 - 130
Methyl tert-butyl ether	7.2	7.40		ug/m3		103	60 - 140
Methylene Chloride	6.9	6.42		ug/m3		92	70 - 130
m-Xylene & p-Xylene	17	16.4		ug/m3		94	70 - 130
Naphthalene	10	10.9		ug/m3		103	60 - 140
o-Xylene	8.7	8.24		ug/m3		95	70 - 130
Styrene	8.5	8.17		ug/m3		96	70 - 130
t-Butyl alcohol	6.1	6.18		ug/m3		102	60 - 140
Tetrachloroethene	14	14.1		ug/m3		104	70 - 130
Toluene	7.5	7.20		ug/m3		96	70 - 130
trans-1,2-Dichloroethene	7.9	7.64		ug/m3		96	70 - 130
trans-1,3-Dichloropropene	9.1	9.41		ug/m3		104	70 - 130
Trichloroethene	11	11.2		ug/m3		105	70 - 130
Trichlorofluoromethane	11	12.1		ug/m3		108	60 - 140
Vinyl chloride	5.1	4.73		ug/m3		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*60 - 140*

QC Association Summary

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-209322-1

Air - GC/MS VOA

Analysis Batch: 73788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209322-1	EFFLUENT 052523	Total/NA	Air	TO 15 LL	
480-209322-2	EFFLUENT DUPLICATE 052523	Total/NA	Air	TO 15 LL	
480-209322-3	INFLUENT 052523	Total/NA	Air	TO 15 LL	
MB 140-73788/5	Method Blank	Total/NA	Air	TO 15 LL	
LCS 140-73788/1002	Lab Control Sample	Total/NA	Air	TO 15 LL	

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-209322-1

Client Sample ID: EFFLUENT 052523

Lab Sample ID: 480-209322-1
Date Collected: 05/25/23 11:15
Matrix: Air
Date Received: 05/30/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO 15 LL		1	73788	S1K	EET KNX	06/02/23 22:23

Client Sample ID: EFFLUENT DUPLICATE 052523

Lab Sample ID: 480-209322-2
Date Collected: 05/25/23 12:28
Matrix: Air
Date Received: 05/30/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO 15 LL		1	73788	S1K	EET KNX	06/02/23 23:05

Client Sample ID: INFLUENT 052523

Lab Sample ID: 480-209322-3
Date Collected: 05/25/23 13:57
Matrix: Air
Date Received: 05/30/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO 15 LL		36.44	73788	S1K	EET KNX	06/02/23 23:49

Laboratory References:

EET KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-209322-1

Laboratory: Eurofins Knoxville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	N/A	
ANAB	Dept. of Defense ELAP	L2311	02-13-25
ANAB	Dept. of Energy	L2311.01	02-13-25
ANAB	ISO/IEC 17025	L2311	02-13-25
Arkansas DEQ	State	88-0688	06-16-23
California	State	2423	06-30-23
Colorado	State	TN00009	02-29-24
Connecticut	State	PH-0223	09-30-23
Florida	NELAP	E87177	06-30-23
Georgia (DW)	State	906	07-27-25
Hawaii	State	NA	07-27-23
Kansas	NELAP	E-10349	10-31-23
Kentucky (DW)	State	90101	12-31-23
Louisiana	NELAP	83979	06-30-23
Louisiana (All)	NELAP	83979	06-30-23
Louisiana (DW)	State	LA019	12-31-23
Maryland	State	277	03-31-24
Michigan	State	9933	07-27-25
Nevada	State	TN00009	07-31-23
New Hampshire	NELAP	2999	01-17-24
New Jersey	NELAP	TN001	06-30-23
New York	NELAP	10781	03-31-24
North Carolina (DW)	State	21705	07-31-23
North Carolina (WW/SW)	State	64	12-31-23
Ohio VAP	State	CL0059	06-02-23
Oklahoma	State	9415	08-31-23
Oregon	NELAP	TNI0189	01-01-24
Pennsylvania	NELAP	68-00576	12-01-23
Tennessee	State	02014	07-27-25
Texas	NELAP	T104704380-22-17	08-31-23
US Fish & Wildlife	US Federal Programs	058448	07-31-23
USDA	US Federal Programs	525-22-279-18762	10-06-25
Utah	NELAP	TN00009	07-31-23
Virginia	NELAP	460176	09-14-23
Washington	State	C593	01-19-24
West Virginia (DW)	State	9955C	12-31-23
West Virginia DEP	State	345	04-30-24
Wisconsin	State	998044300	08-31-23

Method Summary

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-209322-1

Method	Method Description	Protocol	Laboratory
TO 15 LL	Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)	EPA	EET KNX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job ID: 480-209322-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-209322-1	EFFLUENT 052523	Air	05/25/23 11:15	05/30/23 09:45	Air Canister (6-Liter) #34002035
480-209322-2	EFFLUENT DUPLICATE 052523	Air	05/25/23 12:28	05/30/23 09:45	Air Canister (6-Liter) #11565
480-209322-3	INFLUENT 052523	Air	05/25/23 13:57	05/30/23 09:45	Air Canister (6-Liter) #09537

Quantitation Limit Exceptions Summary

Client: WSP USA Inc.
Job ID: 480-209322-1
Project/Site: Staub's Textile Services - NYSDEC

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
TO 15 LL	1,1-Dichloroethene	Air	Total/NA	ppb v/v	0.040	0.08
TO 15 LL	1,2,4-Trichlorobenzene	Air	Total/NA	ppb v/v	0.080	0.4
TO 15 LL	2-Butanone (MEK)	Air	Total/NA	ppb v/v	0.32	0.4
TO 15 LL	Carbon tetrachloride	Air	Total/NA	ppb v/v	0.032	0.08
TO 15 LL	cis-1,2-Dichloroethene	Air	Total/NA	ppb v/v	0.040	0.08
TO 15 LL	Hexachlorobutadiene	Air	Total/NA	ppb v/v	0.080	0.4
TO 15 LL	Methyl tert-butyl ether	Air	Total/NA	ppb v/v	0.16	0.4
TO 15 LL	t-Butyl alcohol	Air	Total/NA	ppb v/v	0.32	0.4
TO 15 LL	Trichloroethene	Air	Total/NA	ppb v/v	0.036	0.04

Eurofins TestAmerica, Knoxville
5815 Middlebrook Pike

Knoxville, TN 37921-5947
phone 865.291.3000 fax 865.584.4315

Canister Samples Chain of Custody Record

eurofins

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information			
Company Name: WSP	Client Project Manager: Preetam K.	Samples Collected By: Ryan Glass	COC No: 1 of 1 COCs
Address: 13530 Dulles Tech Dr	Phone: (716) 531-2547		TALS Project #:
City/State/Zip Herndon VA Ste 300 20171	Email: Preetam.Kuchikulla@wsp.com		For Lab Use Only:
Phone: (716) 531-2547	Site Contact: Ryan Glass		Walk-in Client:
FAX:	Tel/Fax 315 256-8157		Lab Sampling:
Project Name: Stanbus	Analysis Turnaround Time		Job / SDG No.:
Site/Location: 935 E. Main St. Rochester NY	Standard (Specific):		(See below for Add'l Items)
P O # 828660 Cullent ID 23-062	Rush (Specifiy):		

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
Effluent 052523	5/25/23	10:07	5/25/23	1115	-30	-5	9122	3402035	X														Email Results to client and cc dunw@nwcontracting.com
Effluent Duplicate 052523	↓	1115	↓	1220	-30	-6	9122	11565	X														
Influent 052523	↓	1230	↓	157	-30	-6	9122	09537	X														
NO CUSTODY SEALS																							
RECEIVED AMBIENT																							
BKD 5-30-23																							
1 BOX FEDX# 6223508377000 SD																							
3 CANS / ~~0 FLOWS~~ / FLOW(A) / 3 C.C.																							
SD 5-30-23																							

480-209322 Chain of Custody

Temperature (Fahrenheit)			
Start	Interior	Ambient	
Stop			

Pressure (inches of Hg)			
Start	Interior	Ambient	
Stop			

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date / Time:	Samples Received by: ETA KM X 5-30-23 09:45	
Samples Relinquished by:	Date / Time:	Received by:	
Relinquished by:	Date / Time:	Received by:	
Lab Use Only: Shipper Name:	Opened by:	Condition:	

Form No. CA-C-WI-003, Rev. 2.23, dated 5/4/2020

Loc: 480
209322

EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST **Log In Number:**

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Are the shipping containers intact?	✓			☐ **Containers, Broken**	1H, NO DATE OR TIME
2. Were ambient air containers received intact?			✓	☑ Checked in lab	
3. The coolers/containers custody seal if present, is it intact?			✓	☐ Yes ☐ NA	
4. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C) Thermometer ID :_____ Correction factor: _____			✓	☐ **Cooler Out of Temp, Client Contacted, Proceed/Cancel** ☐ **Cooler Out of Temp, Same Day Receipt**	
5. Were all of the sample containers received intact?	✓			☐ **Containers, Broken**	
6. Were samples received in appropriate containers?	✓			☐ **Containers, Improper; Client Contacted; Proceed/Cancel**	
7. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ **COC & Samples Do Not Match** ☐ **COC Incorrect/Incomplete** ☐ **COC Not Received**	
8. Were all of the samples listed on the COC received?	✓			☐ **Sample Received, Not on COC** ☐ **Sample on COC, Not Received**	
9. Is the date/time of sample collection noted?	✓			☐ **COC; No Date/Time; Client Contacted**	
10. Was the sampler identified on the COC?	✓			☐ **Sampler Not Listed on COC**	**Labeling Verified by:** **Date:**
11. Is the client and project name/# identified?	✓			☐ **COC Incorrect/Incomplete**	
12. Are tests/parameters listed for each sample?	✓			☐ **COC No tests on COC**	**pH test strip lot number:**
13. Is the matrix of the samples noted?	✓			☐ **COC Incorrect/Incomplete**	
14. Was COC relinquished? (Signed/Dated/Timed)	✓	✓		☐ **COC Incorrect/Incomplete**	
15. Were samples received within holding time?	✓			☐ **Holding Time - Receipt**	
16. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ **pH Adjusted, pH Included (See box 16A)** ☐ **Incorrect Preservative**	
17. Were VOA samples received without headspace?			✓	☐ **Headspace (VOA only)**	
18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number:_____			✓	☐ **Residual Chlorine**	
19. For 1613B water samples is pH<9?			✓	☐ If no, notify lab to adjust	
20. For rad samples was sample activity info. Provided?			✓	☐ Project missing info	

Box 16A: pH Preservation	Box 18A: Residual Chlorine
Preservative:	
Lot Number:	
Exp Date:	
Analyst:	
Date:	
Time:	

Project #: 480-159444 PM Instructions:

Sample Receiving Associate: Ruth Dawson Date: 5-30-23

QA026R32.doc, 062719

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville
Job No.: 140-31509-1
SDG No.:
Client Sample ID: 8213
Lab Sample ID: 140-31509-1
Matrix: Air
Lab File ID: D27L31509.D
Analysis Method: TO 15 LL
Date Collected: 04/26/2023 14:30
Sample wt/vol: 500(mL)
Date Analyzed: 04/28/2023 05:36
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-5 ID: 0.32(mm)
Purge Volume:
Heated Purge: (Y/N) pH:
% Moisture: % Solids:
Level: (low/med) Low
Analysis Batch No.: 72633
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.080	
79-00-5	1,1,2-Trichloroethane	ND		0.080	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND		0.080	
75-34-3	1,1-Dichloroethane	ND		0.080	
75-35-4	1,1-Dichloroethene	ND		0.040	
87-61-6	1,2,3-Trichlorobenzene	ND		0.40	
96-18-4	1,2,3-Trichloropropane	ND		0.20	
526-73-8	1,2,3-Trimethylbenzene	ND		0.080	
95-93-2	1,2,4,5-Tetramethylbenzene	ND		0.080	
120-82-1	1,2,4-Trichlorobenzene	ND		0.080	
95-63-6	1,2,4-Trimethylbenzene	ND		0.080	
96-12-8	1,2-Dibromo-3-Chloropropane	ND		0.16	
106-93-4	1,2-Dibromoethane	ND		0.080	
95-50-1	1,2-Dichlorobenzene	ND		0.080	
107-06-2	1,2-Dichloroethane	ND		0.080	
78-87-5	1,2-Dichloropropane	ND		0.080	
76-14-2	1,2-Dichlorotetrafluoroethane	ND		0.080	
108-67-8	1,3,5-Trimethylbenzene	ND		0.16	
106-99-0	1,3-Butadine	ND		0.16	
541-73-1	1,3-Dichlorobenzene	ND		0.080	
106-46-7	1,4-Dichlorobenzene	ND		0.080	
123-91-1	1,4-Dioxane	ND		0.20	
71-36-3	1-Butanol	ND		0.80	
90-12-0	1-Methylnaphthalene	ND		1.0	
540-84-1	2,2,4-Trimethylpentane	ND		0.20	
565-59-3	2,3-Dimethylpentane	ND		0.080	
78-93-3	2-Butanone	ND		0.32	
95-49-8	2-Chlorotoluene	ND		0.16	
591-78-6	2-Hexanone	ND		0.20	
78-78-4	2-Methylbutane	ND		0.20	
91-57-6	2-Methylnaphthalene	ND		1.0	
107-83-5	2-Methylpentane	ND		0.080	
107-05-1	3-Chloroprene	ND		0.080	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville | Job No.: 140-31509-1
SDG No.:
Client Sample ID: 8213 | Lab Sample ID: 140-31509-1
Matrix: Air | Lab File ID: D27L31509.D
Analysis Method: TO 15 LL | Date Collected: 04/26/2023 14:30
Sample wt/vol: 500(mL) | Date Analyzed: 04/28/2023 05:36
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)
Purge Volume: | Heated Purge: (Y/N) pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 72633 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
622-96-8	4-Ethyltoluene	ND		0.16	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.20	
67-64-1	Acetone	ND		2.0	
75-05-8	Acetonitrile	ND		0.40	
107-02-8	Acrolein	ND		0.40	
107-13-1	Acrylonitrile	ND		0.80	
98-83-9	Alpha Methyl Styrene	ND		0.16	
71-43-2	Benzene	ND		0.080	
100-44-7	Benzyl chloride	ND		0.16	
75-27-4	Bromodichloromethane	ND		0.080	
75-25-2	Bromoform	ND		0.080	
74-83-9	Bromomethane	ND		0.080	
106-97-8	Butane	ND		0.16	
75-15-0	Carbon disulfide	ND		0.20	
56-23-5	Carbon tetrachloride	ND		0.032	
108-90-7	Chlorobenzene	ND		0.080	
75-45-6	Chlorodifluoromethane	ND		0.080	
75-00-3	Chloroethane	ND		0.080	
67-66-3	Chloroform	ND		0.080	
74-87-3	Chloromethane	ND		0.20	
156-59-2	cis-1,2-Dichloroethene	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	ND		0.080	
98-82-8	Cumene	ND		0.16	
110-82-7	Cyclohexane	ND		0.20	
124-48-1	Dibromochloromethane	ND		0.080	
74-95-3	Dibromomethane	ND		0.16	
75-71-8	Dichlorodifluoromethane	ND		0.080	
64-17-5	Ethanol	ND		2.0	
141-78-6	Ethyl acetate	ND		0.80	
60-29-7	Ethyl ether	ND		0.80	
100-41-4	Ethylbenzene	ND		0.080	
87-68-3	Hexachlorobutadiene	ND		0.080	
110-54-3	Hexane	ND		0.20	
496-11-7	Indane	ND		0.080	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville
Job No.: 140-31509-1
SDG No.:
Client Sample ID: 8213
Lab Sample ID: 140-31509-1
Matrix: Air
Lab File ID: D27L31509.D
Analysis Method: TO 15 LL
Date Collected: 04/26/2023 14:30
Sample wt/vol: 500(mL)
Date Analyzed: 04/28/2023 05:36
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-5 ID: 0.32(mm)
Purge Volume:
Heated Purge: (Y/N) pH:
% Moisture: % Solids:
Level: (low/med) Low
Analysis Batch No.: 72633
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
95-13-6	Indene	ND		0.16	
67-63-0	Isopropyl alcohol	ND		0.80	
80-62-6	Methyl methacrylate	ND		0.20	
1634-04-4	Methyl tert-butyl ether	ND		0.16	
108-87-2	Methylcyclohexane	ND		0.080	
75-09-2	Methylene Chloride	ND		0.40	
179601-23-1	m-Xylene & p-Xylene	ND		0.080	
91-20-3	Naphthalene	ND		0.20	
104-51-8	n-Butylbenzene	ND		0.16	
124-18-5	n-Decane	ND		0.40	
112-40-3	n-Dodecane	ND		0.40	
142-82-5	n-Heptane	ND		0.20	
111-84-2	n-Nonane	ND		0.20	
111-65-9	n-Octane	ND		0.16	
103-65-1	N-Propylbenzene	ND		0.16	
95-47-6	o-Xylene	ND		0.080	
99-87-6	p-Cymene	ND		0.080	
109-66-0	Pentane	ND		0.40	
115-07-1	Propene	ND		1.0	
135-98-8	sec-Butylbenzene	ND		0.16	
100-42-5	Styrene	ND		0.080	
75-65-0	tert-Butanol	ND		0.32	
98-06-6	tert-Butylbenzene	ND		0.20	
127-18-4	Tetrachloroethene	ND		0.040	
109-99-9	Tetrahydrofuran	ND		0.40	
110-02-1	Thiophene	ND		0.080	
108-88-3	Toluene	ND		0.12	
156-60-5	trans-1,2-Dichloroethene	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	ND		0.080	
79-01-6	Trichloroethene	ND		0.036	
75-69-4	Trichlorofluoromethane	ND		0.080	
1120-21-4	Undecane	ND		0.40	
108-05-4	Vinyl acetate	ND		0.40	
593-60-2	Vinyl bromide	ND		0.080	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville
Job No.: 140-31509-1
SDG No.:
Client Sample ID: 8213
Lab Sample ID: 140-31509-1
Matrix: Air
Lab File ID: D27L31509.D
Analysis Method: TO 15 LL
Date Collected: 04/26/2023 14:30
Sample wt/vol: 500(mL)
Date Analyzed: 04/28/2023 05:36
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-5 ID: 0.32(mm)
Purge Volume:
Heated Purge: (Y/N) pH:
% Moisture: % Solids:
Level: (low/med) Low
Analysis Batch No.: 72633
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
75-01-4	Vinyl chloride	ND		0.040	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Knoxville Job No.: 140-31509-1

SDG No.:

Client Sample ID: 8213 Lab Sample ID: 140-31509-1

Matrix: Air Lab File ID: D27L31509.D

Analysis Method: TO 15 LL Date Collected: 04/26/2023 14:30

Sample wt/vol: 500(mL) Date Analyzed: 04/28/2023 05:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 72633 Units: ppb v/v

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
488-23-3	1,2,3,4-Tetramethylbenzene TIC		ND		
527-53-7	1,2,3,5-Tetramethylbenzene TIC		ND		
934-80-5	1,2-Dimethyl-4-Ethylbenzene TIC		ND		
872-55-9	2-Ethylthiophene TIC		ND		
554-14-3	2-Methylthiophene TIC		ND		
616-44-4	3-Methylthiophene TIC		ND		
95-15-8	Benzo(b)thiophene TIC		ND		

Eurofins Knoxville
Target Compound Quantitation Report

Data File:	\\chromfs\Knoxville\ChromData\MG\20230426-27848.b\D27L31509.D				
Lims ID:	140-31509-A-1				
Client ID:	8213				
Sample Type:	Client				
Inject. Date:	28-Apr-2023 05:36:30	ALS Bottle#:	17	Worklist Smp#:	25
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-002788-025				
Misc. Info.:	8213				
Operator ID:		Instrument ID:	MG		

Method:	\\chromfs\Knoxville\ChromData\MG\20230426-27848.b\MG_TO15.m		
Limit Group:	MSA TO14A_15 Routine ICAL		
Last Update:	28-Apr-2023 17:18:44	Calib Date:	12-Apr-2023 00:46:30
Integrator:	RTE	ID Type:	Deconvolution ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chromfs\Knoxville\ChromData\MG\20230411-27689.b\GD11IC07.D		

Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN
Process Host:	CTX1670		

First Level Reviewer: khachitpongpanits Date: 28-Apr-2023 17:18:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.511	9.505	0.006	71	110140	3.76	
* 2 1,4-Difluorobenzene	114	11.662	11.657	0.005	96	505186	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.316	16.310	0.006	92	405699	3.92	
$ 4 4-Bromofluorobenzene (Surr)	95	17.982	17.983	0.005	90	319964	3.76	
31 Methylene Chloride	84	6.841	6.829	0.016	92	5178	0.1639	

QC Flag Legend

Processing Flags

Reagents:

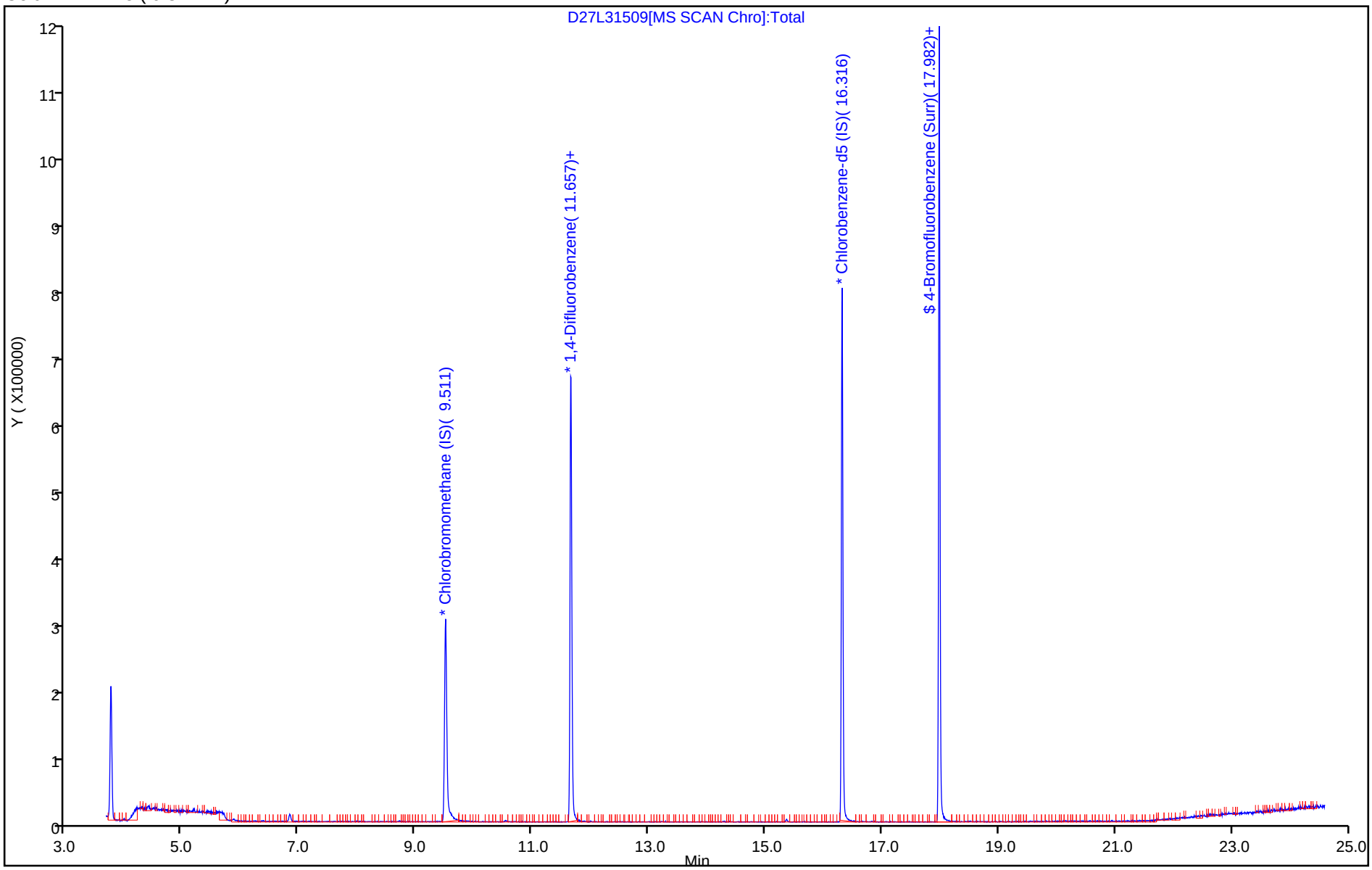
40MXISSUR_00003 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 28-Apr-2023 17:18:45 Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20230426-27848.b\D27L31509.D				
Injection Date:	28-Apr-2023 05:36:30	Instrument ID:	MG	Operator ID:	
Lims ID:	140-31509-A-1	Lab Sample ID:	140-31509-1	Worklist Smp#:	25
Client ID:	8213				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



6/7/2023

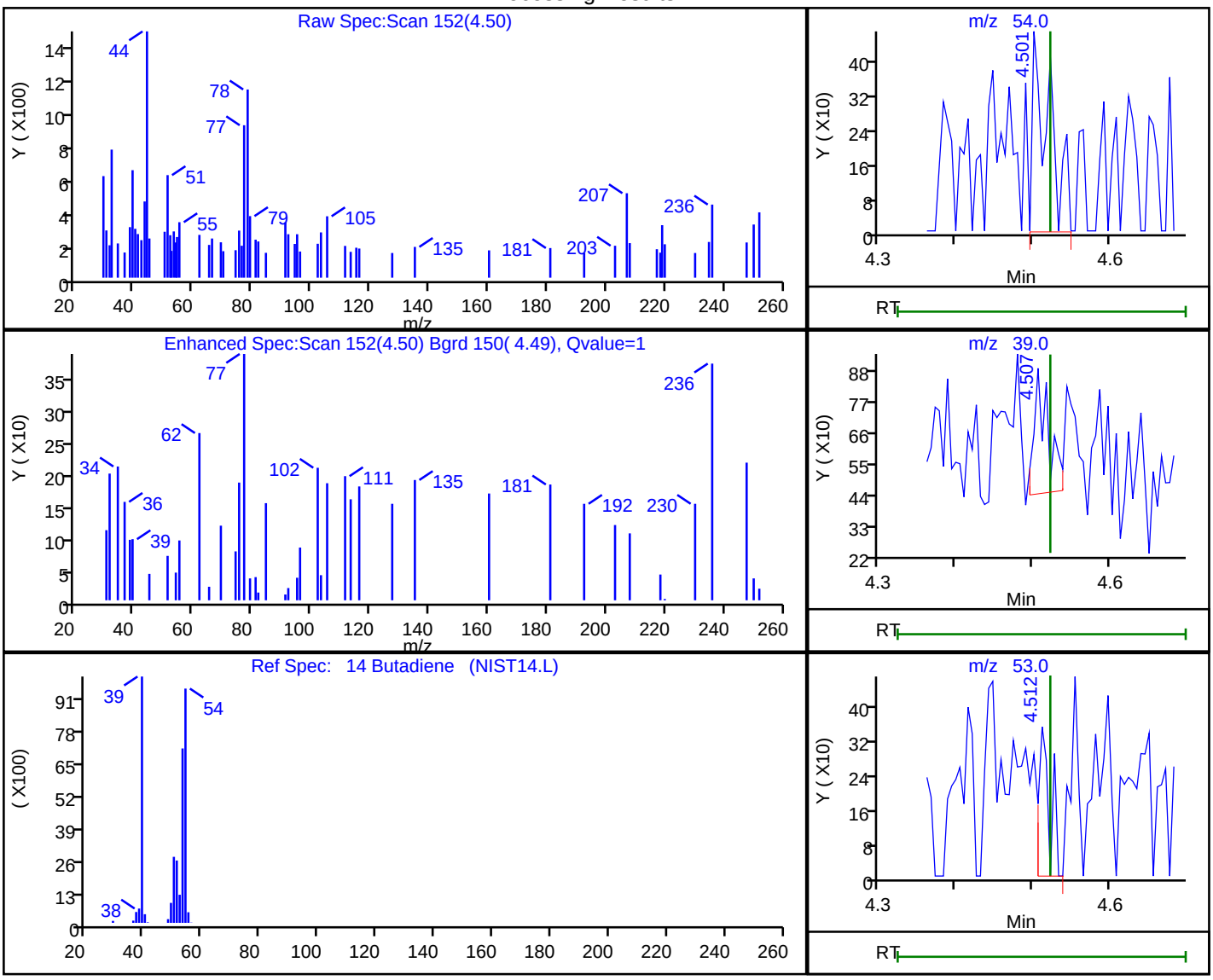
User Disabled Compound Report

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20230426-27848.b\D27L31509.D				
Injection Date:	28-Apr-2023 05:36:30	Instrument ID:	MG		
Lims ID:	140-31509-A-1	Lab Sample ID:	140-31509-1		
Client ID:	8213				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	25
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

14 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
4.50	54.00	703	0.027982
4.51	39.00	581	
4.51	53.00	344	

Reviewer: khachitpongpanits, 28-Apr-2023 17:18:35

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

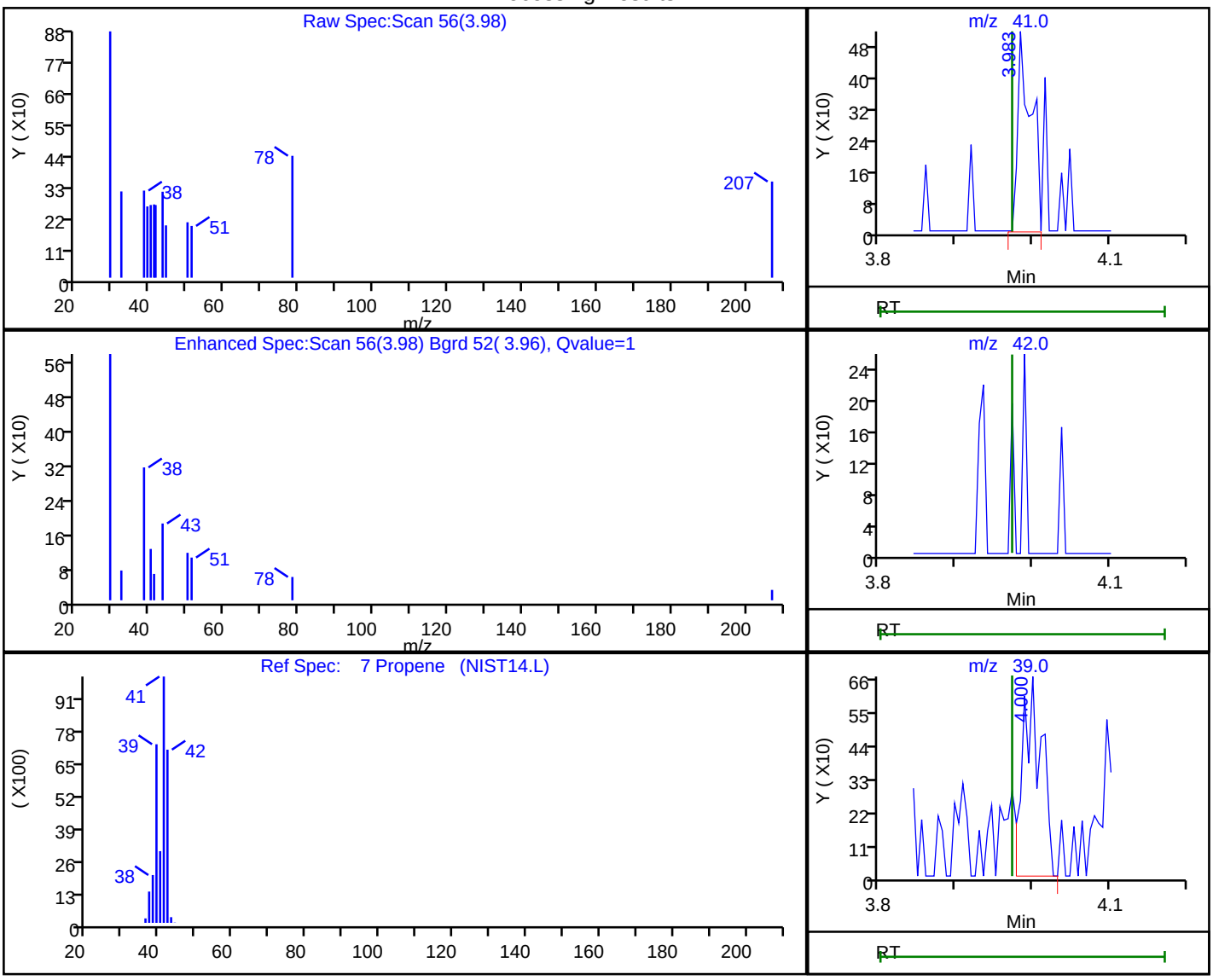
User Disabled Compound Report

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20230426-27848.b\D27L31509.D				
Injection Date:	28-Apr-2023 05:36:30	Instrument ID:	MG		
Lims ID:	140-31509-A-1	Lab Sample ID:	140-31509-1		
Client ID:	8213				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	25
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

7 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
3.98	41.00	629	0.027414
3.97	42.00	0	
4.00	39.00	1130	

Reviewer: khachitpongpanits, 28-Apr-2023 17:18:33

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Summa Canister Dilution Worksheet

Client: WSP USA Inc.
Project/Site: Staub's Textile Services - NYSDEC

Job No.: 480-209322-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initals
480-209322-3	6	-5.0	0.83	5.00	27.1	2.84	17.06		3.41	3.41	g5	05/31/23 15:36	AFB
480-209322-3	6	0	1.00	6.00	35.0	3.38	20.29		3.38	11.54	G5	05/31/23 16:32	AFB
480-209322-3	6	0	1.00	6.00	31.7	3.16	18.94		3.16	36.44	G5	06/01/23 9:53	DDF

Formulae:

Preadjusted Volume (L) = ((Preadjusted Pressure ("Hg) + 29.92 "Hg) * Vol L) / 29.92 "Hg
Adjusted Volume (L) = ((Adjusted Pressure (psig) + 14.7 psig)* Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

D

2022 Annual Groundwater Sampling and Analysis Report

FINAL
2022 Groundwater Sampling and Analysis Report

Staubs Textile Services, Inc.
935-951 East Main Street
Rochester, Monroe County, New York
Site Number 828160

June 2023

Prepared for:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
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List of Abbreviations and Acronyms

DCE	1,1-dichloroethene
Cis-1,2-DCE	cis-1,2-dichlorothene
Trans-1,2-DCE	trans-1,2-dichlorothene
E & E	Ecology and Environment Engineering and Geology, P.C.
µg/L	micrograms per liter
NYSDEC	New York State Department of Conservation
Pace	Pace Analytical Laboratory
PCE	tetrachloroethene
TCE	trichloroethene
TOGS	Technical and Operational Guidance
USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compound

1 Introduction

Pursuant to Work Assignment Number D009807-04, Ecology and Environment Engineering and Geology, P.C. (E & E) conducted annual groundwater monitoring and sampling activities at the Staubs Textile Services, Inc., site (Site Number 828160) located at 935-951 East Main Street in the city of Rochester, Monroe County, New York (Figure 1-1).

The site is 1.2 acres and is located in a mixed commercial/residential area on the northeast side of the city (Figure 1-2). The site has a 70-year history of use as an industrial laundry and dry-cleaning service which ceased in 2005. The site was previously occupied by a vacant onsite building with a paved parking area and loading dock on the west side and a small, paved driveway on the east side of the property.

In 2018, a remedial action was implemented to remove some of the hazardous and non-hazardous soils and concrete from the site and transported offsite. Eighteen SVE wells were installed on site and connected with HDPE piping leading to an on-site soil vapor treatment system. Once onsite construction was complete, geotextile and clean gravel was installed on-site and Pike Company paved the entire site as a parking lot. A soil vapor extraction system is currently operating at the site to remove remaining contamination from soil. The site currently contains a paved parking lot and a fenced area containing the soil vapor extraction system components. The site is bound by East Main Street to the north, commercial properties to the west and east, and a residential neighborhood to the south.

This report documents the field activities and analytical results from the annual groundwater sampling events performed at the site in September and October 2022.

2 Groundwater Monitoring and Sampling

2.1 Groundwater Elevation Measurements

E & E collected static water levels on September 27 through 30, 2022 and on October 12, 2022, from 16 onsite and offsite monitoring and piezometer well locations (one upgradient well [MW-06], six onsite wells [PZ-06, MW-05, MW-07, MW-08, SB-50, and MW-08D], and nine downgradient wells [MW-01, MW-09, OU2-PZ-02, OU2-PZ-03, OU2-PZ-04, MW-09D, MW-10D, MW-4A and MW-01 offsite]). The static water levels were used to determine the volume of standing water in each well prior to groundwater sampling. The static water levels are included on Table 1. Well locations are included on Figures 2-1a and 2-1b.

Measurements were made using an electronic water level indicator capable of measuring depth to water to within 0.01 foot. The probe of the instrument was lowered slowly until the indicator alarm sounded, the probe was then pulled above the surface of the water, and the measurement was repeated at least three times to ensure accuracy. Once the well cap was removed, each well was allowed to equilibrate prior to static water level measurement. The depth-to-water measurements were referenced from the top of each well's inner casing either from previously marked reference points or the highest point on the top of the inner casing of each well. The total well depth was also measured in all wells except for OU2-PZ-01, which was filled with soil.

2.2 Groundwater Sampling Procedures and Analyses

A total of 16 onsite and offsite monitoring and piezometer wells mentioned in Section 2.1 were sampled between September 27 and 30, 2022 and on October 12, 2022 (see Table 2). Sampling was conducted at wells MW-01, MW-05, MW-06, MW-07, MW-08, MW-08D, MW-09, MW-09D, MW-10D, SB-50, PZ-06, and OU2-PZ-02 using submersible or peristaltic pumps. Prior to sampling, a minimum of three well volumes were purged from each well. Periodically during purging, water quality parameters were collected, including pH, temperature, conductivity, and oxidation-reduction potential using a Myron 6P multi-parameter water quality meter and turbidity using a LaMotte 2020 turbidity meter for monitoring purposes.

Dedicated bailers were used to purge and sample monitoring wells MW-01 (offsite), OU2-PZ-03, OU2-PZ-04, and MW-4A due to low initial volumes (i.e., less than 0.1 gallon) in the wells. Grab samples were collected at these four wells due to slow recharge after purging the wells dry before 3 well volumes could be removed.

At the completion of well sampling, pump tubing or dedicated bailers were left inside the well when practical to be used in later sampling events. Submersible pumps were decontaminated using a potable water and laboratory-grade detergent (Alconox) wash followed by a deionized water rinse between wells. Groundwater field data collection sheets are provided in Appendix A.

Sample containers were labeled and immediately placed in a cooler with ice. A trip blank accompanied each shipment of water samples to the laboratory. Analytical results are discussed in Section 3.

The following observations were made during sampling activities:

- Monitoring wells MW-01 (offsite), OU2-PZ-03, OU2-PZ-04, MW-4A, MW-08, and MW-09D went dry while purging.
- Piezometer well OU2-PZ-01 could not be sampled or measured due to soil filling the well.
- Monitoring wells MW-01 (offsite), MW-05, MW-08, MW-08D, MW-09, and MW-09D, had noted chemical or sulfurous odors.
- Monitoring wells MW-01 (offsite), MW-08D, MW-09, and MW-09D had black tinted water.

Laboratory analyses were performed by Pace Analytical Laboratory (Pace). Sampling bottles, trip blanks, and related sampling equipment were provided directly from the lab. Groundwater samples were analyzed for volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (USEPA) Method 8260C. Laboratory analytical results are included in Appendix B.

Groundwater sampling purge water was stored in seven U.S. Department of Transportation-approved 55-gallon steel drums. One composite waste sample (IDW-20221012) was collected from the containerized purged water and analyzed for VOCs, pH, and Resource Conservation and Recovery Act 8 Total Metals using USEPA Methods 8260C, 9040C, and 6010C/7470A, respectively. The NYSDEC provided a contained-in determination based on the sample results. E & E forwarded the waste sample analytical results and contained-in determination letter from NYSDEC to the waste transportation company, National Vacuum Environmental Services Corporation. The waste was transported from the site for incineration at Covanta Niagara. The analytical results for the waste sample are presented in Appendix B and included on Table 3.

2.3 Quality Assurance/Quality Control

Quality assurance quality control samples, including a field duplicate collected from monitoring well MW-07 (MW-07-2022Q), trip blanks, and additional volume for matrix spike/matrix spike duplicate analyses were collected for groundwater samples in accordance with E & E's Master Quality Assurance Project Plan for New York State Department of Environmental Conservation (NYSDEC) Projects (E & E 2011). Based on quality control review of the data, appropriate data qualifiers were applied and are included with the analytical results summary table (see Table B-1 in Appendix B). Laboratory deliverables were reviewed in accordance with the appropriate methods and general reporting requirements from the NYSDEC Analytical Services Protocol for Category B deliverables.

The analytical data provided by the laboratory were reviewed by E & E for precision, accuracy, and completeness. Overall, there were no significant impacts that affected data usability. The data usability summary report and laboratory report are provided in Appendix B.

3 Results

3.1 Groundwater Flow

Groundwater elevation figures showing the static water conditions onsite and offsite appear to be in three water-bearing zones (overburden, upper bedrock and deep bedrock) and are included as Figures 3-1, 3-2a, and 3-2b. The deep bedrock zone appears to contain different fractures than the upper bedrock zone. The deep bedrock wells (MW-08D, MW-09D and MW-10D) have similar water elevations (0.87 feet total difference). The difference in water elevation between bedrock well MW-08 and the deep bedrock well MW-08D is 7.65 feet. The difference in water elevation between bedrock well MW-09 and the deep bedrock well MW-09D is 10.25 feet. The general groundwater flow direction for overburden wells is east, upper bedrock wells is north-northwest, and deep bedrock wells is east. These results are consistent with 2021's annual monitoring.

3.2 Groundwater Analytical Results

Positive groundwater analytical results are summarized in Table 2. For a complete list of analytical results, see full analytical data Table B-1 in Appendix B. Groundwater analytical results for VOCs were compared to ambient water quality standards and guidance values found in NYSDEC's Technical and Operational Guidance Series (TOGS) 1.1.1 *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations* (NYSDEC 1998, with updates), Class GA Groundwater Standards and Guidance Values. The following summarizes the analytical results:

A total of 22 different VOCs were detected in the 16 monitoring well locations where samples were collected. Of these 22 VOCs that were detected, 13 VOCs exceeded screening criteria, including both contaminants of concern: tetrachloroethene (PCE) and trichloroethene (TCE). The additional 11 VOCs were: acetone, benzene, chloroform, 1,1-dichlorothene (1,1-DCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichlorethene (trans-1,2-DCE), ethylbenzene, isopropylbenzene, toluene, vinyl chloride, and xylenes.

Contaminants of concern were detected in 11 of the 16 wells and exceedances were recorded in eight of those 11 wells.

3.2.1 Overburden

Overburden wells at the site include: OU2-PZ-01, OU2-PZ-02, OU2-PZ-03, OU2-PZ-04, MW-1 (onsite), SB-50, MW-1 (offsite), MW-4A, and PZ-06. OU2-PZ-01 was filled with soil and was not sampled. Positive results for overburden wells are included in Table 2 and results for PCE, TCE, cis-1,2-DCE, and vinyl chloride are depicted in Figure 3-1. Exceedances in the overburden groundwater were detected in wells OU2-PZ-02, OU2-PZ-04, SB-50, and PZ-06.

Within the sample results from the overburden groundwater monitoring wells, seven compounds (i.e., benzene, chloroform, ethylbenzene, isopropylbenzene, PCE, vinyl chloride, and xylenes) exceeded the screening criteria. Overall, concentrations of these compounds were lower in the overburden wells than those reported in the 2021 results, and fewer compounds exceeded the screening criteria. Tetrachloroethene was the only contaminant of concern detected above the screening criteria. At PZ-06, PCE was detected at a concentration of 10 µg/L, cis-1,2-DCE was detected at the screening criterion of 5 µg/L, and a trace concentration of TCE (0.57 J µg/L) below the screening criterion was detected (Table 2; Figure 3-1). PCE was also detected at a trace concentration below the screening criterion in the samples collected from MW-1 (1.1 µg/L) and MW-4A (0.8 J µg/L). SB-50 contained exceedances for compounds benzene (1.5 µg/L), isospropylbenzene (16 µg/L), and for the PCE breakdown product vinyl chloride (7.2 µg/L).

Offsite wells OU2-PZ-02 and OU2-PZ-04 contained exceedances for benzene (2.3 µg/L in OU2-PZ-02), ethylbenzene (16 µg/L in OU2-PZ-02; 35 µg/L in OU2-PZ-04), isopropylbenzene (76 µg/L in OU2-PZ-02; 38 µg/L in OU2-PZ-04), and xylenes (24 µg/L in OU2-PZ-04). No contaminants were detected in OU2-PZ-03.

3.2.2 Bedrock

Bedrock wells at the site include MW-05, MW-06, MW-07, MW-08 and MW-09; and deep bedrock wells MW-08D, MW-09D and MW-10D. Positive results for bedrock wells are included in Table 2 and results for PCE, TCE, cis-1,2-DCE, and vinyl chloride are depicted in Figures 3-2a and 3-2b.

All bedrock wells were sampled during the 2022 event. PCE exceeded the groundwater standard in bedrock wells located in the center and southeast portion onsite (also in the vicinity of the former underground storage tank source area) in wells MW-05 (130,000 µg/L), MW-06 (140,000 µg/L), and MW-07 (2,900 µg/L); northwest corner of the site in MW-08 (750 µg/L), and northeast corner of the site in MW-09 (3,800 µg/L). TCE also had exceedances in the same wells but at lower concentrations ranging from 2,300 µg/L to 11,000 µg/L. Cis-1,2-DCE exceedances occurred in the same wells ranging from 4,300 µg/L to 21,000 µg/L. Vinyl chloride was found in four of the same five wells ranging from 430 µg/L at MW-09 to 810 µg/L at MW-07 (2,100 µg/L in the duplicate sample).

Of the three deep bedrock wells, there was one exceedance of the contaminants of concern of the groundwater standards. PCE (48 µg/L) was detected above the screening criterion in the sample collected from MW-09D, and TCE was detected at a trace concentration of 2 µg/L in this sample. Contaminants of concern, or their breakdown products, were not detected in any of the remaining deep bedrock wells.

4 Conclusions

4.1 Conclusions

Samples collected from offsite overburden wells generally exhibited concentrations of compounds such as the petroleum-related constituents, benzene, ethylbenzene, toluene, and xylenes (BTEX). The highest exceedances were detected in samples collected from PZ-2 and PZ-4, located southeast (downgradient) and northeast (downgradient) of the site. Lower concentrations of BTEX were detected onsite at SB-50 located at the northern perimeter of the site, and these compounds may also be present in the onsite bedrock wells, but the elevated reporting limits due to high concentrations of contaminants of concern may mask their presence. The low concentrations and offsite distribution of BTEX and other accessory VOCs such as isopropylbenzene and methyl tert-butyl ether are suggestive of an offsite or background source related to the urban setting of the Site.

For the primary contaminants of concern, PCE and TCE, and their degradation products, cis-1,2-DCE and vinyl chloride, concentrations are much lower in all overburden wells than in the bedrock wells (discussed further below) and the highest concentrations were located around the contaminant source area onsite (found in monitoring wells PZ-06 and SB-50).

Since 2020, concentrations of the PCE degradation products, cis-1, 2 DCE and vinyl chloride in SB-50 (18,000 µg/L and 5,900 µg/L, respectively) declined by three to four orders of magnitude to 2.8 µg/L and 7.2 µg/L, respectively. These reductions are likely in part due to ongoing soil vapor extraction in this contaminant source area. Although no PCE or TCE concentrations were detected in SB-50, it's possible this well has higher concentrations of cis-1,2 DCE and vinyl chloride from breakdown of PCE and TCE closer to the upgradient contaminant source area.

The trace PCE detection found in monitoring well MW-4A may not be related to onsite activities due to distance (~0.25 miles) and lack of detections in monitoring wells located between them and the source area (PZ-02, PZ-03, and PZ-04).

The highest exceedances of contaminants of concern occurred in bedrock monitoring wells MW-05, MW-06, and MW-07 (center and southeast portion of the site) with lower concentrations in MW-08 and MW-09, which also exceed the screening criteria. Since 2020, PCE concentrations increased at MW-05 by a factor of two (from 65,000 to 130,000 µg/L) and by nearly 2 orders of magnitude at MW-06 (from 9,800 µg/L to 140,000 µg/L) (see Figure 4-1 depicting concentrations in 2020 through 2022). In contrast, the concentrations of this compound decreased during the last 2 sampling events at MW-07 from 9,400 µg/L to 2,900 µg/L. E&E attributes these changes to an influx of source material, perhaps as VOCs migrate downwards from the historical source areas.

Only trace concentrations of contaminants of concern and their degradation products were observed in the deep bedrock wells during the most recent sampling event. PCE (2 µg/L) was detected in deep bedrock well MW-9D. PCE exceeded the screening criterion in the sample collected from MW-10D in 2021 but was not detected in this well during the current reporting period. These changes in the concentration of PCE may be due to seasonal variations or declines in the vertical migration from the shallower bedrock zone to the deeper zone over time as the recovery system affects hydraulic capture.

Evidence of natural breakdown of the parent source material, PCE, is provided by the prevalence of the PCE degradation product, TCE, and additional daughter products cis-1,2-DCE, and vinyl chloride in all or most of the shallow bedrock wells. TCE, and cis-1,2-DCE concentrations decreased in MW-05, MW-06, and MW-07 since 2021, whereas vinyl chloride concentrations increased in MW-06 and MW-07 during the same time (this compound has not been present at MW-05). In MW-08 and MW-09, where concentrations of contaminants of concern are generally lower, trends are less apparent.

5 References

Ecology and Environment Engineering and Geology, P.C. (E & E). 2011. *Master Quality Assurance Project Plan (QAPP) for New York Department of Environmental Conservation Projects*, Lancaster, New York. (April).

New York State Department of Environmental Conservation (NYSDEC). 1998. Technical and Operational Guidance Series (1.1.1): Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, NYSDEC Division of Water, Albany, New York, with updates.

U.S. Environmental Protection Agency (EPA) – Region 2. 1998. *Groundwater Sampling Procedure, Low Stress (Low Flow) Purging and Sampling,* Region 2 guidance document.

Tables

Table 1 Groundwater Monitoring Well Water Level Elevation Measurements
Staubs Textile Services, Inc. Site, Rochester, New York

Well ID	NORTHING	EASTING	Location	Aquifer	TOIC Elevation (ft AMSL)	Depth to Water Sept 27 - Oct 12, 2022 (ft TOIC)	Water Elevation (ft)	Total Depth of Well (ft TOIC)
MW-01	1153483.3	1414312.0	On-Site	Overburden	505.83	14.44	491.39	23.40
PZ-06	1153407.9	1414284.4	On-Site	Overburden	507.01	13.16	493.85	15.00
SB-50	1153444.5	1414137.6	On-Site	Overburden	506.23	15.99	490.24	23.50
OU2-PZ-01*	1153808.0	1414778.6	Off-Site	Overburden	506.60	See Note	NA	NA
OU2-PZ-02	1153427.5	1414654.0	Off-Site	Overburden	495.95	7.38	488.57	12.60
OU2-PZ-03	1153517.9	1414911.4	Off-Site	Overburden	495.09	15.36	479.73	18.04
OU2-PZ-04	1153677.6	1414395.5	Off-Site	Overburden	504.03	13.57	490.46	21.90
MW-01	1153746.8	1415439.7	Off-Site	Overburden	493.60	17.20	476.40	18.70
MW-4A	1153739.3	1415478.7	Off-Site	Overburden	493.39	16.71	476.68	17.95
MW-05	1153381.2	1414259.4	On-Site	Bedrock	506.90	15.19	491.71	34.15
MW-06	1153267.9	1414287.5	On-Site	Bedrock	508.26	15.55	492.71	35.52
MW-07	1153335.6	1414324.0	On-Site	Bedrock	506.61	17.34	489.27	38.83
MW-08	1153431.9	1414142.3	On-Site	Bedrock	505.91	17.62	488.29	36.60
MW-08D	1153437.873	1414140.389	On-Site	Bedrock	505.90	25.26	480.64	60.62
MW-09	1153335.6	1414324.0	On-Site	Bedrock	505.65	15.63	490.02	35.35
MW-09D	1153467.493	1414324.308	On-Site	Bedrock	505.22	25.45	479.77	61.05
MW-10D	1153565.197	1414180.18	Off-Site	Bedrock	506.98	26.57	480.41	61.47

Notes:

*OU2-PZ-01 was filled with soil to the top

ft = feet

AMSL = above mean sea level

TOIC = top of inner casing

NA = Not applicable

Table 2 Summary of Positive Analytical Results for Groundwater Samples
Staubs Textile Services, Inc. Site, Rochester, New York

Analyte	Screening Criteria [1]	Notes	MW-1	MW-1 (1130)	MW-4A (1130)	ST-MW-05	ST-MW-06	ST-MW-07
		Sample Name:	MW-01-2022	MW-01B-2022	MW-4A-2022	MW-05-2022	MW-06-2022	MW-07-2022
		Depth:	23 - 24 ft	14 - 19 ft	13 - 18 ft	26 - 36 ft	28 - 38 ft	30 - 40 ft
		Date:	09/28/22	09/28/22	09/28/22	09/29/22	09/28/22	09/29/22
Volatile Organic Compounds by Method SW-846 8260D (µg/L)								
1,1-Dichloroethene	5		0.14 U	0.14 U	0.14 U	280 U	**24 J**	28 U
1,2-Dichlorobenzene	3		**0.71 J**	0.12 U	0.12 U	240 U	12 U	24 U
1,4-Dichlorobenzene	3		**0.30 J**	0.13 U	0.13 U	260 U	13 U	26 U
Acetone	50	G	2.0 U	**2.6 J**	2.0 U	4100 U	200 U	410 U
Benzene	1		0.20 U	0.20 U	0.20 U	400 UJ	20 U	40 U
Carbon Disulfide	60	G	1.4 U	1.4 U	1.4 U	2900 U	140 U	290 U
Chlorobenzene	5		**0.19 J**	0.11 U	0.11 U	210 U	11 U	21 U
Chloroform	7		**8.7**	0.17 U	0.17 U	340 U	17 U	34 U
Cis-1,2-Dichloroethylene	5		0.65 U	0.15 U	0.15 U	**21000**	**14000**	**12000**
Cyclohexane	N/A		1.8 U	1.8 U	1.8 U	3500 U	180 U	350 U
Ethylbenzene	5		**0.53 J**	0.21 U	0.21 U	430 U	**25 J**	43 U
Isopropylbenzene (Cumene)	5		**3.8**	0.11 U	0.11 U	220 U	**18 J**	22 U
Methyl Ethyl Ketone (2-Butanone)	50	G	1.6 U	1.6 U	1.6 U	3200 U	160 U	320 U
Methylcyclohexane	N/A		**2.6**	**1.9**	0.24 U	490 U	24 U	49 U
Methylene Chloride	5		0.23 U	0.23 U	0.23 U	470 U	23 U	47 U
Tert-Butyl Methyl Ether	10	G	0.17 U	0.17 U	0.17 U	340 U	17 U	34 U
Tetrachloroethylene (PCE)	5		0.19 U	0.19 U	**0.80 J**	**130000**	**140000**	**2900**
Toluene	5		0.22 U	**0.27 J**	0.22 U	450 U	**32 J**	45 U
Trans-1,2-Dichloroethene	5		0.17 U	0.17 U	0.17 U	340 UJ	**83 J**	**62 J**
Trichloroethylene (TCE)	5		0.19 U	0.19 U	0.19 U	**6700**	**5300**	**2300**
Vinyl Chloride	2		0.21 U	0.21 U	0.21 U	420 U	**690**	**810**
Xylenes	5		1.0 U	1.0 U	1.0 U	2000 U	**120**	200 U

Key at end of table.

Table 2 Summary of Positive Analytical Results for Groundwater Samples
Staubs Textile Services, Inc. Site, Rochester, New York

Analyte	Screening Criteria [1]	Notes	ST-MW-07	ST-MW-08	ST-MW-08D	ST-MW-09	ST-MW-09D	ST-MW-10D
		Sample Name:	MW-07-2022-Q	MW-08-2022	MW-08D-2022	MW-09-2022	MW-09D-2022	MW-10D-2022
		Depth:	30 - 40 ft	28 - 38 ft	50 - 60 ft	28 - 38 ft	50 - 60 ft	50 - 60 ft
		Date:	09/29/22	09/29/22	09/29/22	09/28/22	09/30/22	09/30/22
Volatile Organic Compounds by Method SW-846 8260D (µg/L)								
1,1-Dichloroethene	5		28 U	14 U	0.28 U	7.1 U	0.14 U	0.57 U
1,2-Dichlorobenzene	3		24 U	12 U	0.24 U	6.1 U	0.12 U	0.49 U
1,4-Dichlorobenzene	3		26 U	13 U	0.26 U	6.5 U	0.13 U	0.52 U
Acetone	50	G	410 U	**330 J**	4.1 U	100 U	2.0 U	8.1 U
Benzene	1		40 UJ	20 UJ	0.40 U	**12 J**	0.20 UJ	0.80 UJ
Carbon Disulfide	60	G	290 U	140 U	2.9 U	72 U	**2.7 J**	**9.9 J**
Chlorobenzene	5		21 U	11 U	0.21 U	5.3 U	0.11 U	0.42 U
Chloroform	7		34 U	17 U	0.34 U	8.4 U	0.17 U	0.67 U
Cis-1,2-Dichloroethylene	5		**11000**	**6700**	0.29 U	**4300**	0.15 U	0.59 U
Cyclohexane	N/A		350 U	180 U	3.5 U	88 U	1.8 U	7.0 U
Ethylbenzene	5		43 U	21 U	0.43 U	11 U	0.21 U	0.86 U
Isopropylbenzene (Cumene)	5		22 U	11 U	0.22 U	5.4 U	0.11 U	0.43 U
Methyl Ethyl Ketone (2-Butanone)	50	G	320 U	160 U	3.2 U	81 U	1.6 U	**16 J**
Methylcyclohexane	N/A		49 U	24 U	0.49 U	12 U	**0.33 J**	0.98 U
Methylene Chloride	5		47 U	23 U	0.47 U	12 U	0.23 U	0.94 U
Tert-Butyl Methyl Ether	10	G	34 U	17 U	**2.7**	8.6 U	**0.92 J**	**2.1 J**
Tetrachloroethylene (PCE)	5		**2200**	**750**	0.37 U	**3800**	**48 J**	0.75 U
Toluene	5		45 U	22 U	0.45 U	11 U	0.22 U	0.90 U
Trans-1,2-Dichloroethene	5		**46 J**	**19 J**	0.34 UJ	**30 J**	0.17 U	0.67 UJ
Trichloroethylene (TCE)	5		**2000**	**1100**	0.38 U	**1600**	0.19 U	0.76 U
Vinyl Chloride	2		**1200 J**	**700 J**	0.42 U	**430**	0.21 U	0.83 U
Xylenes	5		200 U	100 U	2.0 U	50 U	1.0 U	4.0 U

Key at end of table.

Table 2 Summary of Positive Analytical Results for Groundwater Samples
Staubs Textile Services, Inc. Site, Rochester, New York

Analyte	Screening Criteria [1]	Notes	Location ID: OU-2 PZ-2	OU-2 PZ-3	ST-OU2-PZ-4	ST-PZ-06	ST-SB-50
		Sample Name:	OU2-PZ-02-2022	OU2-PZ-03-2022	OU2-PZ-04-2022	PZ-06-2022	SB-50-2022
		Depth:	7.6 - 13 ft	13 - 18 ft	17 - 22 ft	12 - 22 ft	23 - 24 ft
		Date:	10/12/22	10/12/22	09/30/22	09/29/22	09/29/22
Volatile Organic Compounds by Method SW-846 8260D (µg/L)							
1,1-Dichloroethene	5		0.28 U	0.14 U	0.28 U	0.14 U	0.14 U
1,2-Dichlorobenzene	3		0.24 U	0.12 U	0.24 U	0.12 U	**2.9**
1,4-Dichlorobenzene	3		0.26 U	0.13 U	0.26 U	0.13 U	**0.95 J**
Acetone	50	G	4.1 U	2.0 U	4.1 U	2.0 U	2.0 U
Benzene	1		**2.3**	0.20 U	**0.66 J**	0.20 UJ	**1.5 J**
Carbon Disulfide	60	G	2.9 UJ	1.4 UJ	2.9 U	1.4 U	1.4 U
Chlorobenzene	5		0.21 U	0.11 U	0.21 U	0.11 U	**0.54 J**
Chloroform	7		**3.8 J**	0.17 U	0.34 U	**4.1**	0.17 U
Cis-1,2-Dichloroethylene	5		0.29 U	0.15 U	**0.66 J**	**5.0**	**2.8**
Cyclohexane	N/A		**73**	1.8 U	**350**	1.8 U	**4.5 J**
Ethylbenzene	5		**16**	0.21 U	**35**	0.21 U	**4.7**
Isopropylbenzene (Cumene)	5		**76**	0.11 U	**38**	0.11 U	**16**
Methyl Ethyl Ketone (2-Butanone)	50	G	3.2 U	1.6 U	3.2 U	1.6 U	1.6 U
Methylcyclohexane	N/A		**87**	0.24 U	**170**	0.24 U	**6.9**
Methylene Chloride	5		0.47 U	0.23 U	0.47 U	0.23 U	**0.29 J**
Tert-Butyl Methyl Ether	10	G	0.34 U	0.17 U	0.34 U	0.17 U	0.17 U
Tetrachloroethylene (PCE)	5		0.37 U	0.19 U	0.37 U	**10**	0.19 U
Toluene	5		**1.5 J**	0.22 U	**1.3 J**	0.22 U	**0.92 J**
Trans-1,2-Dichloroethene	5		0.34 U	0.17 U	0.34 UJ	0.17 UJ	**1.3 J**
Trichloroethylene (TCE)	5		0.38 U	0.19 U	**1.6 J**	**0.57 J**	0.19 U
Vinyl Chloride	2		0.42 U	0.21 U	0.42 U	0.21 U	**7.2 J**
Xylenes	5		**3.6**	1.0 U	**24**	1.0 U	**1.3**

Key at end of table.

Table 2 Summary of Positive Analytical Results for Groundwater Samples
Staubs Textile Services, Inc. Site, Rochester, New York

		Location ID:	MW-1
		Sample Name:	MW-01-2022
		Depth:	23 - 24 ft
		Date:	09/28/22
Analyte	Screening Criteria [1]	Notes	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Notes

G = Guidance value (no standard available)

N/A = Not regulated/no available criteria

Other

µg/L = Micrograms per liter

"-Q" denotes field duplicate sample

Bold values denote positive hits.

Shaded values exceed groundwater screening criteria.

1. New York State Department of Environmental Conservation, Technical and Operational Guidance Series Memorandum #1.1.1: *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations,* 1998 (with updates), Class GA Groundwater Standards and Guidance Values.

Key at end of table.

Table 3 Analytical Results for Wastewater Sample
Staubs Textile Services, Inc. Site, Rochester, New York

Analyte	Sample Name: IDW-20221012 Date: 10/12/22
Volatile Organic Compounds by Method SW-846 8260C (µg/L)	
1,1,2-Trichloro-1,2,2-Trifluoroethane	110 U
1,1,2-Trichloroethane	91 U
1,1-Dichloroethane	71 U
1,1-Dichloroethene	71 U
1,2,3-Trichlorobenzene	150 U
1,2,4-Trichlorobenzene	120 U
1,2-Dibromo-3-Chloropropane	400 U
1,2-Dibromoethane (Ethylene Dibromide)	85 U
1,2-Dichlorobenzene	61 U
1,2-Dichloroethane	150 U
1,2-Dichloropropane	91 U
1,3-Dichlorobenzene	59 U
1,4-Dichlorobenzene	65 U
1,4-Dioxane (P-Dioxane)	10000 U
2-Hexanone	560 U
Acetone	1000 U
Benzene	100 U
Bromochloromethane	150 U
Bromodichloromethane	90 U
Bromoform	190 U
Bromomethane	770 U
Carbon Disulfide	720 U
Carbon Tetrachloride	82 U
Chlorobenzene	53 U
Chloroethane	160 U
Chloroform	84 U
Chloromethane (Methyl Chloride)	260 U
Cis-1,2-Dichloroethylene	**9700**
Cis-1,3-Dichloropropene	79 U
Cyclohexane	880 U
Dibromochloromethane	110 U
Dichlorodifluoromethane	96 U
Ethylbenzene	110 U
Isopropylbenzene (Cumene)	54 U
Methyl Acetate	230 U
Methyl Ethyl Ketone (2-Butanone)	810 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	640 U
Methylcyclohexane	120 U
Methylene Chloride	120 U
Styrene	53 U
Tert-Butyl Methyl Ether	86 U
Tetrachloroethylene (PCE)	**44000**
Toluene	110 U

Key at end of table.

Table 3 Analytical Results for Wastewater Sample
Staubs Textile Services, Inc. Site, Rochester, New York

Analyte	Sample Name: IDW-20221012 Date: 10/12/22
Trans-1,2-Dichloroethene	84 U
Trans-1,3-Dichloropropene	84 U
Trichloroethylene (TCE)	**2200**
Trichlorofluoromethane	88 U
Vinyl Chloride	**220 J**
Xylenes	500 U
Metals by EPA Method 200.7 (mg/L)	
Aluminum	0.015 U
Antimony	0.0089 U
Arsenic	0.0047 U
Barium	**0.12**
Beryllium	0.001 U
Cadmium	0.0008 U
Calcium	**170**
Chromium, Total	0.0025 U
Cobalt	0.0014 U
Copper	0.0036 U
Iron	**5.0**
Lead	0.003 U
Magnesium	**67**
Manganese	**0.26**
Nickel	0.0088 U
Potassium	**19**
Selenium	0.011 U
Silver	0.0032 U
Sodium	**580**
Thallium	0.019 U
Vanadium	**0.021**
Zinc	0.0042 U
Mercury by EPA Method 245.1 (mg/L)	
Mercury	0.00004 U
pH by Standard Method 4500 H (standard units)	
pH	**7.7 J**

Key:

Qualifiers

J = Estimated value

U = Non-detect result (method detection limit)

Other

µg/L = Micrograms per liter

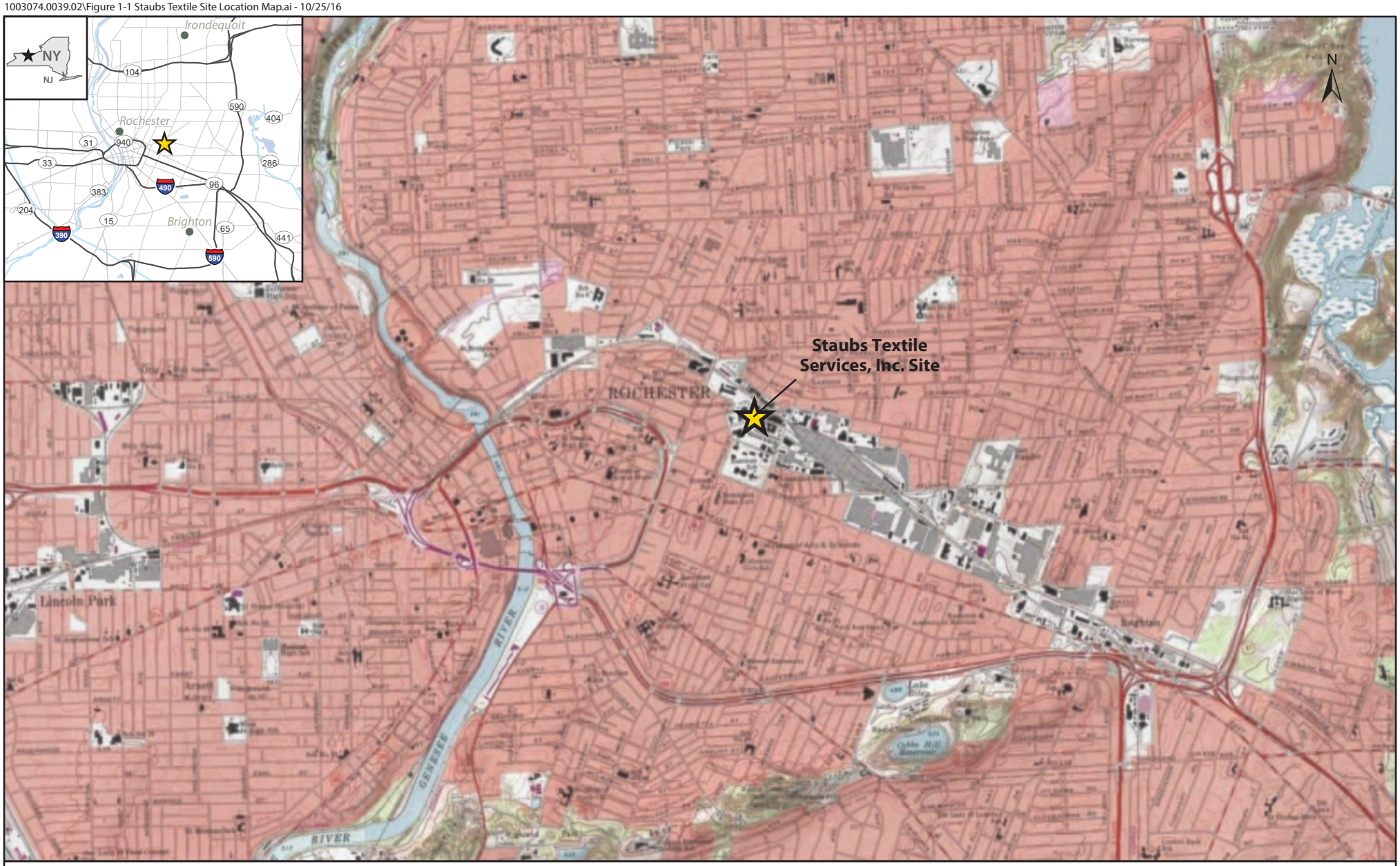
mg/L = Milligrams per liter

Bold values denote positive hits.

Key at end of table.

Figures

1003074.0039.02\Figure 1-1 Staubs Textile Site Location Map.ai - 10/25/16



Legend

Site Location

2,000 1,000 0 2,000 4,000 6,000 Feet

Figure 1-1
Site Location Map
Staubs Textile Services, Inc. Site,
Rochester, NY

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Coordinate System:
North American Datum 1983
New York State Plane West FIPS 3103

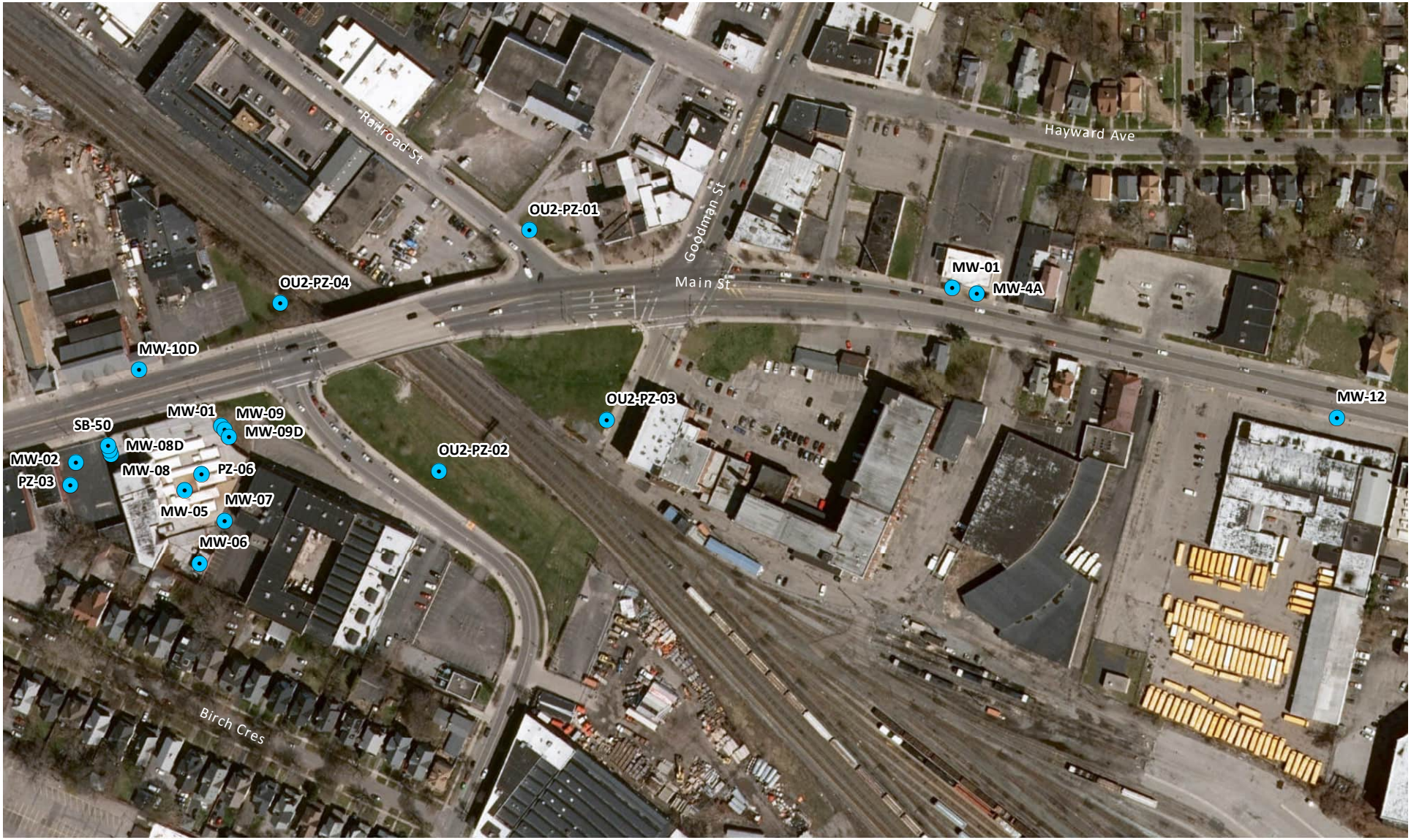
Units: Feet

Source:
ESRI 2012; ESRI 2015
Ecology and Environment, Inc. 2016

1003074.0039.02\Figure 1-2 Site Plan.ai - 11/21/16

Figure 1-2
Site Plan
Staubs Textile Services, Inc. Site,
Rochester, NY

ecology and environment
engineering and geology, p.c.



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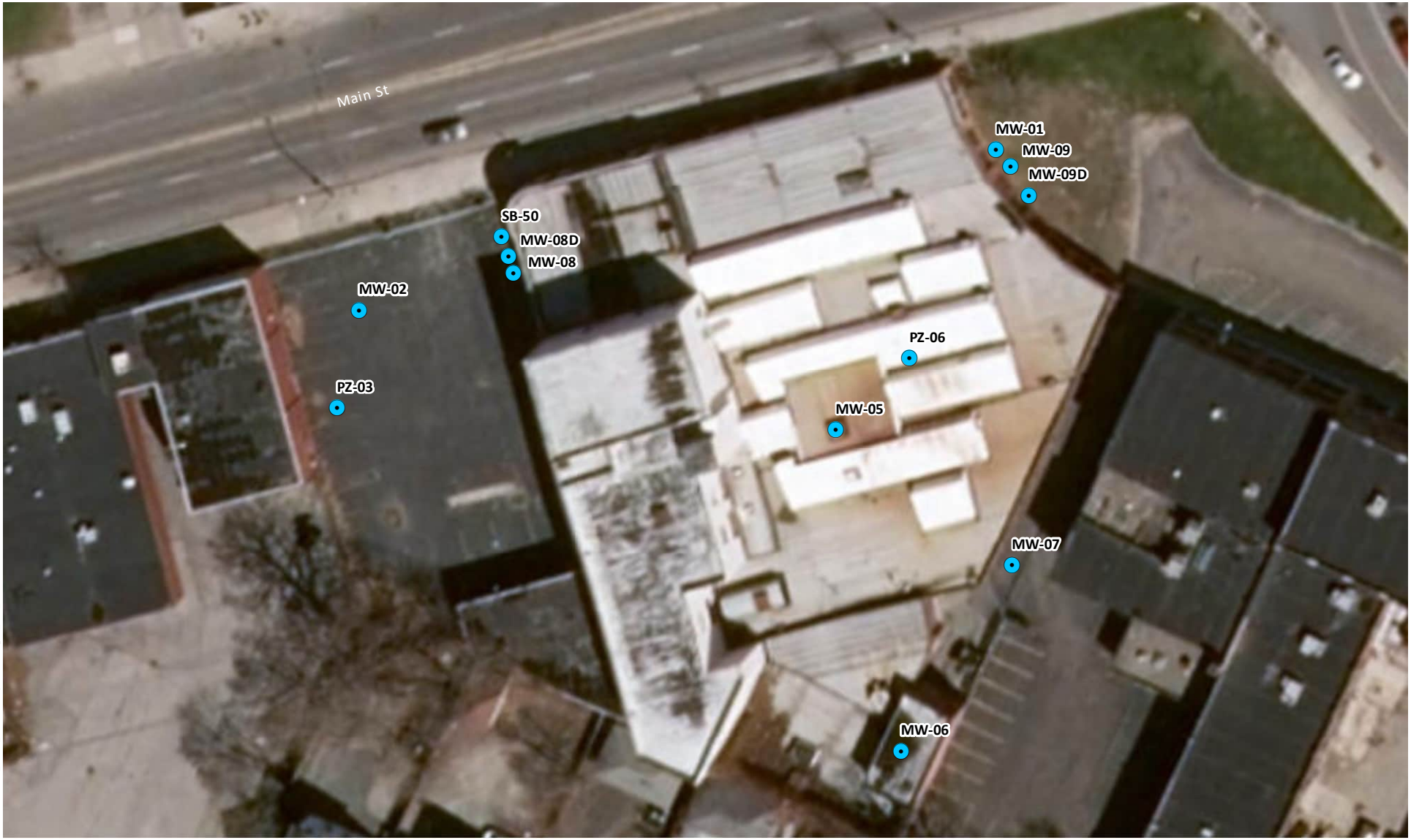
N

0 50 100
Feet

Monitoring Well Location

Figure 2-1a
Groundwater Monitoring
Well/Piezometer Well Locations
Staubs Textile Services, Inc. Site

Rochester, New York



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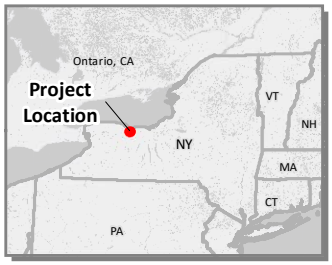
N

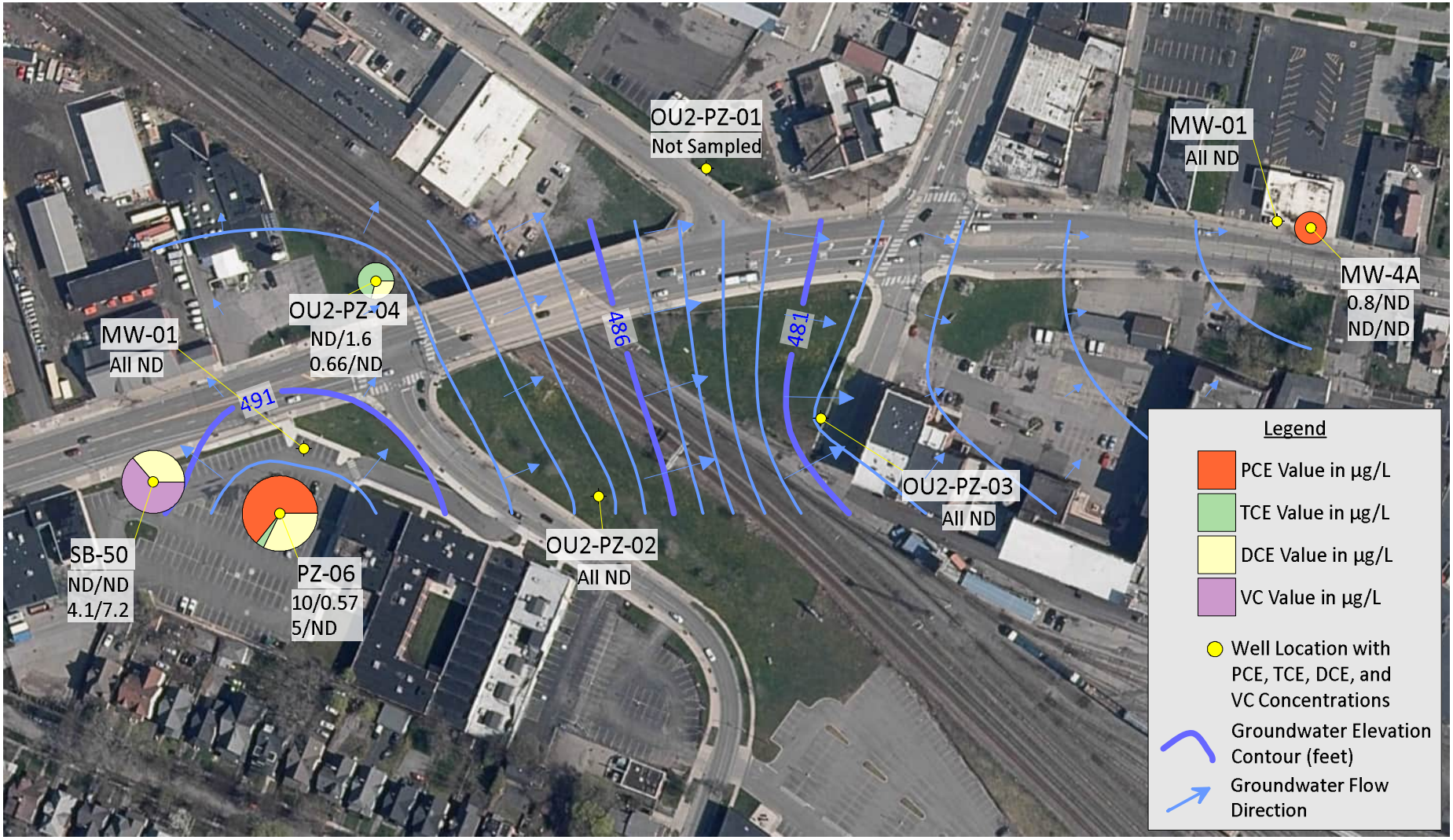
0 25 50
Feet



Monitoring Well Location

Figure 2-1b
Groundwater Monitoring Well/
Piezometer Well Locations (Onsite)
Staubs Textile Services, Inc. Site

Rochester, New York



ecology and environment engineering and geology, p.c.

N

Feet

0 175 350

Notes:
1) Groundwater elevation measurements and samples obtained September and October 2022.
2) All results in micrograms per liter (µg/L)
3) Orthoimagery from New York State GIS Clearinghouse accessed January 2022 (http://gis.ny.gov/gateway/mg/index.html)

Figure 3-1

Overburden Groundwater Elevation and VOC Concentration Map

Staubs Textile Services, Inc. Site

Rochester, New York

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N

Feet

0 100 200

Notes:
1) Groundwater elevation measurements and samples obtained September 2022
2) All results in micrograms per liter (µg/L)
3) Orthoimagery from New York State GIS Clearinghouse accessed January 2022 (http://gis.ny.gov/gateway/mg/index.html)

Figure 3-2a

Bedrock Groundwater Elevation and VOC Concentration Map

Staubs Textile Services, Inc. Site

Rochester, New York

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N

Feet

0 100 200

Notes:
1) Groundwater elevation measurements and samples obtained September 2022
2) All results in micrograms per liter (µg/L)
3) Orthoimagery from New York State GIS Clearinghouse accessed January 2022 (http://gis.ny.gov/gateway/mg/index.html)

Figure 3-2b

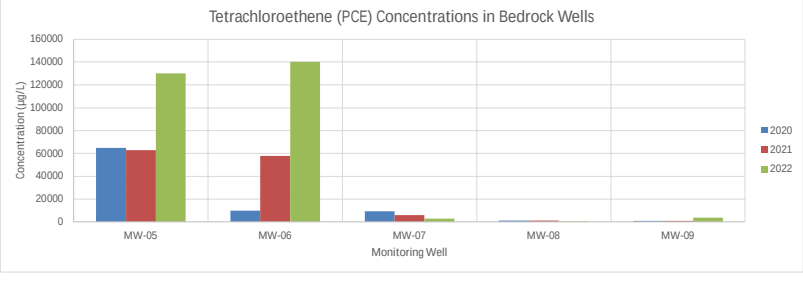
Deep Bedrock Groundwater Elevation and VOC Concentration Map

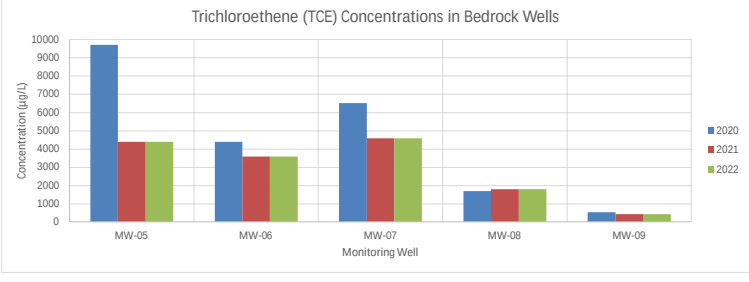
Staubs Textile Services, Inc. Site

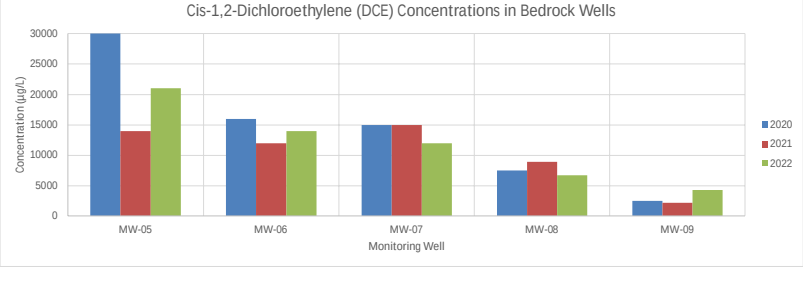
Rochester, New York

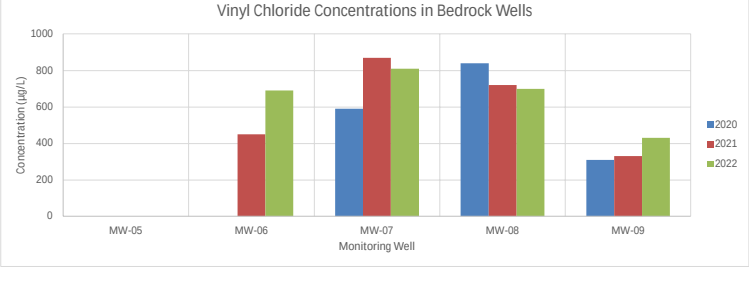
Figure 4-1
Contaminants of Concern and Daughter Product Concentrations in Bedrock Monitoring Wells 2020 Through 2022

Staubs Textile Services, Inc. Site, Rochester, NY









A Groundwater Field Collection Data Sheets

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Staubs Textile
EEEPC Project No.: EE1705007.0004 Task 04

Well ID: MW-01
Date: 8/28/22

Initial Depth to Water: 14.44 feet TOIC
Total Well Depth: 23.50 feet TOIC
Depth to Pump: 21.50 feet TOIC
Initial Pump Rate: 500 Lpm / gpm adjustable
adjusted to: _____ at _____
adjusted to: _____ at _____

Start Time: 14:57
End Time: _____
☐ Bailer ☒ Pump
Pump Type: Typhoon
Well Diameter: 2" inches
1x Well Volume: 1.47 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
14:57	0	7.57	10.7	–	898.2	–	30.0	14.55
15:02	2500	7.55	10.4	–	875.4	–	11.5	14.48
15:07	5000	7.45	10.5	–	871.0	–	5.63	14.48
15:12	7500	7.42	10.4	–	865.0	–	5.07	14.48
15:17	10,000	7.42	10.3	–	874.1	–	4.04	14.48
15:22	12,500	7.43	10.5	–	877.2	–	3.15	14.48
15:27	15000	7.44	10.3	–	875.1	–	1.80	14.48
15:32	17500	7.43	10.2	–	874.2	–	1.75	14.48
Final Sample Data:		7.43	10.2	–	874.2	–	1.75	14.48

8/28/22

Sample ID: MW-01-2022
Sample Time: 15:35

Duplicate? ☐
MS/MSD? ☐

Dupe Samp ID: _____
No. of Bottles: _____

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☐ SW846
☐ PCBs	☐ EPA/CWA
☐ Pest.	☐ _____
☐ Metals/CN	
☐ Dioxin	

Comments: _____

Sampler(s): _____

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Staubs Textile
Well ID: MW-01 (off-site)
EEEPC Project No.: EE1705007.0004 Task 04
Date: 9-27-22

Initial Depth to Water: 17.20 feet TOIC
Start Time: 1315
Total Well Depth: 18.65 feet TOIC
End Time: 1324
Depth to Pump: _____ feet TOIC
☒ Bailer ☐ Pump
Initial Pump Rate: _____ Lpm / gpm
Pump Type: _____
adjusted to: _____ at _____
Well Diameter: 1 inches
adjusted to: _____ at _____
1x Well Volume: 0.06 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1315		6.57	19.1	-22	5020		106	
1320		7.08	17.7	-40	4949		>1,000	
1324	0.06							DRY
9/28/22								
1255		7.26	16.0	-14	4931		>1,000	
Final Sample Data:		7.26	16.0	-14	4931		>1,000	

Sample ID: MW-01B-2022
Duplicate? ☐
Dupe Samp ID: _____
Sample Time: 1300 (9/28/22)
MS/MSD? ☐
No. of Bottles: 3

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☐ SW846
☐ PCBs	☐ EPA/CWA
☐ Pest.	☐ _____
☐ Metals/CN	
☐ Dioxin	

Comments: Foul/chemical odor; clear at first then black-tinted; no sheen; will return to collect sample

Sampler(s): CP, LR

Well Purge Form.xls

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Staubs Textile
Well ID: MW-4A
EEEPC Project No.: EE1705007.0004 Task 04
Date: 9/27/22

Initial Depth to Water: 16.71 feet TOIC
Start Time: 1330
Total Well Depth: 17.92 feet TOIC
End Time: 1339
Depth to Pump: _____ feet TOIC
☒ Bailer ☐ Pump
Initial Pump Rate: _____ Lpm / gpm
Pump Type: _____
adjusted to: _____ at _____
Well Diameter: 1 inches
adjusted to: _____ at _____
1x Well Volume: 0.05 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1330		7.02	17.9	14	4432		65.3	
1335		7.33	17.5	30	4489			
1339	0.05							DRY
9/28/22								
1310		7.20	16.4	89	4448		69.5	
Final Sample Data:		7.20	16.4	89	4448		69.5	

Sample ID: MW-4A-2022
Duplicate? ☐
Dupe Samp ID: _____
Sample Time: 1315 (9/28/22)
MS/MSD? ☐
No. of Bottles: 3

Analyses:
☒ VOCs
☐ SVOCs
☐ PCBs
☐ Pest.
☐ Metals/CN
☐ Dioxin

Methods:
☐ CLP
☐ SW846
☐ EPA/CWA
☐ _____

Comments: Clear, no sheen, no strong odor; will return to collect sample

Sampler(s): CP, LR

Well Purge Form.xls

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Staubs Textile
Well ID: MW-05
EEEPC Project No.: EE1705007.0004 Task 04
Date: 9-29-22

Initial Depth to Water: 15.19 feet TOIC
Start Time: 1505
Total Well Depth: 34.22 feet TOIC
End Time: 1525
Depth to Pump: ~31 feet TOIC
☐ Bailer ☒ Pump
Initial Pump Rate: ~2 Lpm (gpm)
Pump Type: Typhoon
adjusted to: _____ at _____
Well Diameter: 4 inches
adjusted to: _____ at _____
1x Well Volume: 12.42 gallons x 3 = 37.26

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1505	–	7.18	15.1	-126	4732	–	25.1	–
1510	10	7.05	15.1	-105	4669	–	65.4	–
1515	20	6.95	14.9	-84	4936	–	63.6	–
1520	30	6.91	14.7	-85	5018	–	78.0	–
1524	38	6.86	14.7	-81	5126	–	57.8	–
Final Sample Data:		6.86	14.7	-81	5126	–	57.8	–

Sample ID: MW-05-2022
Duplicate? ☐
Dupe Samp ID: _____
Sample Time: 1525
MS/MSD? ☐
No. of Bottles: 3

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☐ SW846
☐ PCBs	☐ EPA/CWA
☐ Pest.	☐ _____
☐ Metals/CN	
☐ Dioxin	

Comments: strong gas odor; clear; sheen; missing bolts

Sampler(s): CP, LR

Well Purge Form.xls

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Staubs Textile
Well ID: MW-06
EEEPC Project No.: EE1705007.0004 Task 04
Date: 9/28/22

Initial Depth to Water: 15.55 feet TOIC
Start Time: 10:15
Total Well Depth: 35.55 feet TOIC
End Time: 10:39
Depth to Pump: 33.55 feet TOIC
☐ Bailer ☒ Pump
Initial Pump Rate: 5 gallons at 3 min. Lpm / gpm
Pump Type: Typhoon
adjusted to: _____ at _____
Well Diameter: _____ inches
adjusted to: _____ at _____
1x Well Volume: _____ gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
10:15	0	6.18	9.2	-	1720	-	17.78	24.2
10:18	5	6.88	8.6	-	2287	-	21.10	24.8
10:21	10	6.87	8.0	-	2047	-	20.00	23.2
10:24	15	6.77	8.2	-	2077	-	16.89	22.5
10:27	20	6.93	9.4	-	3599	-	24.50	15.60
10:30	25	6.99	9.4	-	3621	-	25.71	26.4
10:33	30	7.01	9.8	-	3702	-	28.51	38.2
10:36	35	7.02	9.7	-	37.57	-	29.1	29.2
10:39	40	7.02	9.9	-	37.91	-	29.3	28.3
Final Sample Data:		7.02	9.9	-	37.91	-	29.30	28.3

Sample ID: MW-06-2022
Duplicate? ☐
Dupe Samp ID: _____
Sample Time: 10:45
MS/MSD? ☐
No. of Bottles: _____

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☐ SW846
☐ PCBs	☐ EPA/CWA
☐ Pest.	☐ _____
☐ Metals/CN	
☐ Dioxin	

Comments: _____

Sampler(s): [illegible]

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Staubs Textile
EEEPC Project No.: EE1705007.0004 Task 04

Well ID: MW-07
Date: 9-29-22

Initial Depth to Water: 17.34 feet TOIC
Total Well Depth: 38.80 feet TOIC
Depth to Pump: 36.80 feet TOIC
Initial Pump Rate: 1 Lpm / gpm
adjusted to: _____ at _____
adjusted to: _____ at _____

Start Time: 10:45
End Time: 11:07
☐ Bailer ☒ Pump
Pump Type: 2" Typhoon
Well Diameter: 2" inches
1x Well Volume: 3.5 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
10:45	1	6.81	5.6	22	60.87	–	17.4	20.41
10:48	4	6.93	8.8	-29	58.80	–	11.0	24.69
10:51	8	7.88	8.6	-37	62.21	–	8.40	32.11
10:54	12	7.91	8.2	-39	61.20	–	8.27	34.12
Final Sample Data:		7.91	8.2	-39	61.20	–	8.27	34.12

9/29/22

Sample ID: MW-07-2022
Sample Time: 11:07
Duplicate? ☒
MS/MSD? ☐
Dupe Samp ID: MW-07-2022Q
No. of Bottles: 3

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☐ SW846
☐ PCBs	☐ EPA/CWA
☐ Pest.	☐ _____
☐ Metals/CN	
☐ Dioxin	

Comments: Bottle Missing

Sampler(s): VM

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Staubs Textile
EEEPC Project No.: EE1705007.0004 Task 04

Well ID: MW-08
Date: 9/29/22

Initial Depth to Water: 17.62 feet TOIC
Total Well Depth: 36.48 feet TOIC
Depth to Pump: 34.49 feet TOIC
Initial Pump Rate: 5 Lpm / gpm every 4 min
adjusted to: _____ at _____
adjusted to: _____ at _____

Start Time: 13:29
End Time: 17:50
☐ Bailer ☒ Pump
Pump Type: Typhoon
Well Diameter: 4 inches
1x Well Volume: 36.96 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
13:29	0	7.12	9.3	-71	8020	–	6.92	17.62
13:32	5	7.04	9.8	-131	7246	–	11.7	24.15
13:36	10	7.06	10.2	-121	7081	–	980	29.3
13:46	15	7.09	10.1	-128	7140	–	71000	30.16
13:52	20	7.18	10.4	-79	7697	–	71000	36.49
~~13:54~~	~~25~~ UR 9/29/22					Dry		
	~~30~~							
Final Sample Data:		7.18	10.4	-79	7697	–	71000	36.49

Sample ID: MW-08-2022
Sample Time: 14:15

Duplicate? ☐
MS/MSD? ☐

Dupe Samp ID: _____
No. of Bottles: _____

Analyses:
☒ VOCs
☐ SVOCs
☐ PCBs
☐ Pest.
☐ Metals/CN
☐ Dioxin

Methods:
☐ CLP
☐ SW846
☐ EPA/CWA
☐ _____

Comments: Waiting to Recharge well Has odor

Sampler(s): UR

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Staubs Textile
EEEPC Project No.: EE1705007.0004 Task 04

Well ID: MW-08D
Date: 9-29-22

Initial Depth to Water: 25.26 feet TOIC
Total Well Depth: 60.61 feet TOIC
Depth to Pump: ~55 feet TOIC
Initial Pump Rate: ~1.0 Lpm (gpm)
adjusted to: _____ at _____
adjusted to: _____ at _____

Start Time: 1005
End Time: 1125
☐ Bailer ☒ Pump
Pump Type: Typhoon
Well Diameter: 4 inches
1x Well Volume: 23.07 gallons x3 = 69.21

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1020	10	7.28	14.1	-299	3045	—	8.81	—
1030	20	6.81	13.9	-295	3210	—	1.12	—
1038	30	6.72	13.9	-283	3258	—	1.00	—
1048	40	6.84	13.8	-294	3278	—	1.14	—
1059	50	7.69	14.0	-260	3302	—	4.26	—
1108	60	6.86	14.0	-297	3303	—	2.00	—
1118	70	7.15	14.0	-280	3300	—	1.40	—
Final Sample Data:		7.15	14.0	-280	3300	—	1.4	—

Sample ID: MW-08D-2022
Sample Time: 1120
Duplicate? ☐
MS/MSD? ☒
Dupe Samp ID: ~~NA~~
No. of Bottles: 9

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☐ SW846
☐ PCBs	☐ EPA/CWA
☐ Pest.	☐ _____
☐ Metals/CN	
☐ Dioxin	

Comments: Strong sulfur odor, clear w/black tint; sheen

Sampler(s): CP, LR

Well Purge Form.xls

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Staubs Textile
Well ID: MW-09
EEEPC Project No.: EE1705007.0004 Task 04
Date: 9-28-22

Initial Depth to Water: 15.63 feet TOIC
Start Time: 1155
Total Well Depth: 35.35 feet TOIC
End Time: 1225
Depth to Pump: ~32 feet TOIC
☐ Bailer ☒ Pump
Initial Pump Rate: ~1.75 Lpm / gpm
Pump Type: Typhoon
adjusted to: _____ at _____
Well Diameter: 4 inches
adjusted to: _____ at _____
1x Well Volume: 12.87 gallons x3 = 38.61

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1200	20	7.19	14.6	-72	3660	–	20.5	28.70
1212	30	7.20	14.4	31	3783	–	25.7	28.42
1220	39	7.18	14.5	11	3812	–	>1,000	29.84
Final Sample Data:		7.18	14.5	11	3812	–	>1,000	29.84

Sample ID: MW-09-2022
Duplicate? ☐
Dupe Samp ID: _____
Sample Time: 1220
MS/MSD? ☐
No. of Bottles: 3

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☐ SW846
☐ PCBs	☐ EPA/CWA
☐ Pest.	☐ _____
☐ Metals/CN	
☐ Dioxin	

Comments: Clear w/black tint; sheen; strong odor; bolts sheared off

Sampler(s): CP, LR

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Staubs Textile
EEEPC Project No.: EE1705007.0004 Task 04

Well ID: MW-09D
Date: 9-28-22, 9-29-22

Initial Depth to Water: 25.45 feet TOIC
Total Well Depth: 59.73 feet TOIC
Depth to Pump: ~55 feet TOIC
Initial Pump Rate: 0.25 Lpm / gpm
adjusted to: _____ at _____
adjusted to: _____ at _____

Start Time: 1025, 1330
End Time: 1110,
☐ Bailer ☒ Pump
Pump Type: Typhoon
Well Diameter: 4 inches
1x Well Volume: 22.38 gallons x3 = 67.14

	Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm/mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
	1025	–	6.79	14.2	-174	5204	–	11.4	–
	1030	~8	8.08	14.6	-284	5118	–	12.0	–
	1050	Paused – ~~tubing too short~~ – stopped pumping							
	1100	10	Resumed / 1110 Paused						
1/28/22	–	Pump broke, return w/ 2-stage pump							
1/29/22	1300	10	7.08	14.6	-289	5670	–	3.11	–
	~1330	~24	DRY						
9/30	1135		7.42	14.1	-290	5280	–	15.5	–
Final Sample Data:			7.42	14.1	-290	5280	–	15.5	–

Sample ID: MW-09D-2022
Sample Time: 1140 (on 9/30/22)
Duplicate? ☐
MS/MSD? ☐
Dupe Samp ID: _____
No. of Bottles: 3

Analyses: ☒ VOCs ☐ SVOCs ☐ PCBs ☐ Pest. ☐ Metals/CN ☐ Dioxin
Methods: ☐ CLP ☐ SW846 ☐ EPA/CWA ☐ _____

Comments: Clear; strong odor. black sludgey material in well. ~~tubing short~~; ~~get as close as possible~~; clear w/black tint, sheen; return to sample; get new tubing next year

Sampler(s): CP, LR

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WELL PURGE RECORD

Site Name: ~~Mr. C's Dry Cleaners Site~~ Staubs

Well ID: MW-10D

Project Number: ~~EN-002699-0013~~ EE1705007.0004

Date: 9-30-22

Location: East Aurora New York

Diameter (inches): 4

Initial Water Level (ft below TOIC): 26.57

Final Water Level (ft below TOIC): NA

Initial Well Depth (ft below TOIC): 61.50

Final Well Depth (ft below TOIC): NA

Initial ~~Casing~~ Volume (gallons): 22.8

3x Static Casing Volume (gallons): 68.4

~~Description of development equipment and technique:~~ Purge w/ Typhoon (2-Stage) pump

Sample ID: MW-10D-2022 | Begin @ 910

Time	Total Volume Removed: Gallons	Total Volume Removed: No. of Volumes	pH	Temperature (°F / °C)	Conductivity (µS/cm)	Turbidity (NTU)	Water Level (ft TOIC)	Comments
913	1.5	-243	7.77	13.3	4087	1.57	35.71	Strong ~~odor~~ odor
920	11	-284	7.47	13.7	3991	15.1	40.59	Clear with BIK Tint
927	20	-296	7.68	13.7	4113	10.47	41.56	
932	30	-304	7.28	13.8	4182	8.48	42.05	1 bdt sheared
942	40	-296	7.66	13.8	4251	5.54	42.40	off, 1 missing
950	50	-295	7.74	13.8	4287	6.58	42.74	
958	60	-284	7.72	13.8	4300	5.23	43.26	
1004	68.4	-284	7.10	13.8	4328	5.39	43.61	
FINAL:	68.4	-284	7.10	13.8	4328	5.39	43.61	

Personnel: CP UL

Signature: [signature]

Date: 9/30/22

Sample ID MW-10D-2022
Time 1005

* 1.78 multiple gallon

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Site Name/Location: Staubs Textile
EEEPC Project No.: EE1705007.0004 Task 04

Well ID: OU2-PZ-02
Date: 10/12/2022

Initial Depth to Water: 7.38 feet TOIC
Total Well Depth: 12.6 feet TOIC
Depth to Pump: 12.1 feet TOIC
Initial Pump Rate: 0.2 Lpm / gpm
adjusted to: 0.1 at 1022
adjusted to: _____ at _____

Start Time: 1020
End Time: 1046
☑ Bailer ☑ Pump
Pump Type: peristaltic
Well Diameter: 1 inches
1x Well Volume: _____ gallons 3x=20.6

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1020	Init	7.01	18.0	-79	1838	—	16.9	7.74
1025	0.7	7.07	17.2	-88	1812	—	26.6	8.98
1030	1.3	7.06	17.1	-81	1820	—	21.9	—
1035	1.8	7.10	17.5	-93	1857	—	10.7	10.70
1040	2.3	7.20	17.5	-118	1824	—	10.1	11.17
1045	2.5	7.09	18.1	-99	1841	—	68.3	12.20
1046	well purged dry @ 2.5 L. will allow recharge & collect sample.							
1235	DTW = 10.90 will allow additional recharge before sampling							
1404	DTW = 10.20. Collect sample							
Final Sample Data:		7.09	18.1	-99	1841	—	68.3	12.20

Sample ID: OU2-PZ-02-2022
Sample Time: 1404
Duplicate? ☐ MS/MSD? ☐
Dupe Samp ID: _____
No. of Bottles: _____

Analyses: ☑ VOCs ☐ SVOCs ☐ PCBs ☐ Pest. ☐ Metals/CN ☐ Dioxin

Methods: ☐ CLP ☑ SW846 ☐ EPA/CWA ☐ _____

Comments: Water is clear. No sheen.

Sampler(s): ESR

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Site Name/Location: Staubs Textile
EEEPC Project No.: EE1705007.0004 Task 04

Well ID: OU2-PZ-03
Date: 10/12/2022

Initial Depth to Water: 15.36 feet TOIC
Total Well Depth: 18.04 feet TOIC
Depth to Pump: ~~16.04~~ feet TOIC
Initial Pump Rate: .1 Lpm / gpm
adjusted to: _____ at _____
adjusted to: _____ at _____

Start Time: 1120
End Time: 1145
☑ Bailer ☑ Pump
Pump Type: peristaltic
Well Diameter: 1 inches
1x Well Volume: 0.1 gallons ~0.3

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1120	Init	6.78	18.1	-27	12.55	—	19.7	15.8
~~1130~~	0.5							
1122 Pause purge due to poor pump performance.								
Replaced tubing								
1125	Resume purge							
1130	~~0.7~~	Test pump prime again. Switch to bailer						
1135	0.6	7.19	16.6	-65	12.68	—	18.2	NM
1140	0.7	7.12	16.2	-70	12.60	—	overrange	NM
1145	0.8	Well purged dry. Will allow recharge and						
sample at a later time.								
1410	DTW = 15.7. Collect sample.							
Final Sample Data:								

Sample ID: OU2-PZ-03-2022
Sample Time: 1410
Duplicate? ☐
MS/MSD? ☐
Dupe Samp ID: _____
No. of Bottles: _____

Analyses:
☑ VOCs
☐ SVOCs
☐ PCBs
☐ Pest.
☐ Metals/CN
☐ Dioxin

Methods:
☐ CLP
☑ SW846
☐ EPA/CWA
☐ _____

Comments: Clear, no sheen

Sampler(s): ESR

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Staubs Textile
Well ID: 042-PZ4
EEEPC Project No.: EE1705007.0004 Task 04
Date: 9/20/22

Initial Depth to Water: 13.57 feet TOIC
Start Time: 10:26
Total Well Depth: 21.89 feet TOIC
End Time: 11:00
Depth to Pump: 19.59 feet TOIC
☐ Bailer ☒ Pump
Initial Pump Rate: ~~0.25~~ 1.50 Lpm / gpm als gpm
Pump Type: Geo pump
adjusted to: _____ at _____
Well Diameter: 1 inches
adjusted to: _____ at _____
1x Well Volume: _____ gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
10:26	0	7.24	17.1	-218	5481	–	53.6	–
10:35	0.25	7.35	17.7	-169	5485	–	92.3	–
10:44	0.50	7.32	17.8	-160	5479	–	101.4	–
10:53	0.75	7.31	13.9	-168	5480	–	57.6	–
11:00	1.04	7.32	13.7	-170	5477	–	50.2	–
Final Sample Data:		7.32	13.7	-170	5477	–	50.2	–

Sample ID: 042-PZ-4-2022
Duplicate? ☐
Dupe Samp ID: _____
Sample Time: 11:05
MS/MSD? ☐
No. of Bottles: _____

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☐ SW846
☐ PCBs	☐ EPA/CWA
☐ Pest.	☐ _____
☐ Metals/CN	
☐ Dioxin	

Comments: _____

Sampler(s): LR

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Staubs Textile
Well ID: PZ-06
EEEPC Project No.: EE1705007.0004 Task 04
Date: 9/29/22

Initial Depth to Water: 13.16 feet TOIC
Start Time: 15:35
Total Well Depth: 14.97 feet TOIC
End Time: 15:50
Depth to Pump: 13.97 feet TOIC
☐ Bailer ☐ Pump
Initial Pump Rate: 0.125 Lpm / gpm
Pump Type: Geo pump
adjusted to: _____ at _____
Well Diameter: 1" inches
adjusted to: _____ at _____
1x Well Volume: _____ gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1535	0.01	7.42	13.1	45	8991	—	4.22	—
1537	0.125	7.53	13.1	31	8761	—	1.34	—
1539	0.25	7.56	13.1	44	8712	—	0.60	—
1541	0.5	7.57	13.1	43	8719	—	0.55	—
Final Sample Data:		7.58	13.1	43	8719	—	0.55	—

Sample ID: PZ-06-2022
Duplicate? ☐
Dupe Samp ID: _____
Sample Time: 15:50
MS/MSD? ☐
No. of Bottles: _____

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☐ SW846
☐ PCBs	☐ EPA/CWA
☐ Pest.	☐ _____
☐ Metals/CN	
☐ Dioxin	

Comments: _____

Sampler(s): LR

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Staubs Textile
Well ID: SB-50
EEEPC Project No.: EE1705007.0004 Task 04
Date: 9/29/22

Initial Depth to Water: 15.99 feet TOIC
Start Time: 12:22
Total Well Depth: 23.51 feet TOIC
End Time: 12:48
Depth to Pump: 21.51 feet TOIC
☐ Bailer ☒ Pump
Initial Pump Rate: 0.05 Lpm / (gpm)
Pump Type: Geo pump
adjusted to: _____ at _____
Well Diameter: 1 inches
adjusted to: _____ at _____
1x Well Volume: 0.93 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
12:22	0	7.17	11.0	-111	13.94	–	10.5	–
12:27	0.25	7.26	11.0	-113	12.25	–	52.5	–
12:32	0.50	7.31	10.8	-100	11.04	–	38.2	–
12:37	0.75	7.37	10.9	-114	10.71	–	25.3	–
12:42	1.0	7.35	10.8	-113	10.75	–	8.11	–
12:48	1.25	7.36	10.4	-113	10.74	–	5.11	–
Final Sample Data:		7.36	10.4	-113	10.74	–	5.11	–

Sample ID: SB50 2022
Duplicate? ☐
Dupe Samp ID: _____
Sample Time: 12:50
MS/MSD? ☐
No. of Bottles: _____

Analyses: ☒ VOCs ☐ SVOCs ☐ PCBs ☐ Pest. ☐ Metals/CN ☐ Dioxin

Methods: ☐ CLP ☐ SW846 ☐ EPA/CWA ☐ _____

Comments: Pump Rate 0.05 Every 5 min = 0.25

Sampler(s): LN

Well Purge Form.xls

B

Laboratory Analytical Reports and Data Usability Summary Reports

B-1 Summary of Analytical Results for Groundwater Samples

Table B-1 Summary of Positive Analytical Results for Groundwater Samples
Site Name, City, State

Analyte	Screening Criteria [1]	Notes	MW-1	MW-1 (1130)	MW-4A (1130)	ST-MW-05	ST-MW-06	ST-MW-07	ST-MW-07	ST-MW-08	ST-MW-08D	ST-MW-09	ST-MW-09D
		Location ID:	MW-1	MW-1 (1130)	MW-4A (1130)	ST-MW-05	ST-MW-06	ST-MW-07	ST-MW-07	ST-MW-08	ST-MW-08D	ST-MW-09	ST-MW-09D
		Sample Name:	MW-01-2022	MW-01B-2022	MW-4A-2022	MW-05-2022	MW-06-2022	MW-07-2022	MW-07-2022-Q	MW-08-2022	MW-08D-2022	MW-09-2022	MW-09D-2022
		Depth:	23 - 24 ft	14 - 19 ft	13 - 18 ft	26 - 36 ft	28 - 38 ft	30 - 40 ft	30 - 40 ft	28 - 38 ft	50 - 60 ft	28 - 38 ft	50 - 60 ft
		Date:	09/28/22	09/28/22	09/28/22	09/29/22	09/28/22	09/29/22	09/29/22	09/29/22	09/29/22	09/28/22	09/30/22
Volatile Organic Compounds by Method SW-846 8260D (µg/L)													
1,1,1-Trichloroethane (TCA)	5		0.17 U	0.17 U	0.17 U	340 U	17 U	34 U	34 U	17 U	0.34 U	8.4 U	0.17 U
1,1,2,2-Tetrachloroethane	5		0.13 U	0.13 U	0.13 U	250 U	13 U	25 U	25 U	13 U	0.25 U	6.3 U	0.13 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5		0.23 U	0.23 U	0.23 U	450 U	23 U	45 U	45 U	23 U	0.45 U	11 U	0.23 U
1,1,2-Trichloroethane	1		0.18 U	0.18 U	0.18 U	370 U	18 U	37 U	37 U	18 U	0.37 U	9.1 U	0.18 U
1,1-Dichloroethane	5		0.14 U	0.14 U	0.14 U	280 U	14 U	28 U	28 U	14 U	0.28 U	7.1 U	0.14 U
1,1-Dichloroethene	5		0.14 U	0.14 U	0.14 U	280 U	**24 J**	28 U	28 U	14 U	0.28 U	7.1 U	0.14 U
1,2,3-Trichlorobenzene	5		0.3 UJ	0.3 UJ	0.3 UJ	610 U	30 UJ	61 UJ	61 U	30 U	0.61 UJ	15 UJ	0.3 U
1,2,4-Trichlorobenzene	5		0.25 U	0.25 U	0.25 U	500 U	25 U	50 U	50 U	25 U	0.5 UJ	12 U	0.25 U
1,2-Dibromo-3-Chloropropane	0.04		0.8 U	0.8 U	0.8 U	1600 U	80 U	160 U	160 U	80 U	1.6 UJ	40 U	0.8 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006		0.17 U	0.17 U	0.17 U	340 U	17 U	34 U	34 U	17 U	0.34 U	8.5 U	0.17 U
1,2-Dichlorobenzene	3		**0.71 J**	0.12 U	0.12 U	240 U	12 U	24 U	24 U	12 U	0.24 U	6.1 U	0.12 U
1,2-Dichloroethane	0.6		0.31 U	0.31 U	0.31 U	620 U	31 U	62 U	62 U	31 U	0.62 U	15 U	0.31 U
1,2-Dichloropropane	1		0.18 U	0.18 U	0.18 U	360 U	18 U	36 U	36 U	18 U	0.36 U	9.1 U	0.18 U
1,3-Dichlorobenzene	3		0.12 U	0.12 U	0.12 U	240 U	12 U	24 U	24 U	12 U	0.24 U	5.9 U	0.12 U
1,4-Dichlorobenzene	3		**0.3 J**	0.13 U	0.13 U	260 U	13 U	26 U	26 U	13 U	0.26 U	6.5 U	0.13 U
1,4-Dioxane (P-Dioxane)	0.35		21 U	21 U	21 U	41000 U	2100 U	4100 U	4100 U	2100 U	41 U	1000 U	21 U
2-Hexanone	50	G	1.1 U	1.1 U	1.1 U	2200 U	110 U	220 U	220 U	110 U	2.2 U	56 U	1.1 U
Acetone	50	G	2 U	**2.6 J**	2 U	4100 U	200 U	410 U	410 U	**330 J**	4.1 U	100 U	2 U
Benzene	1		0.2 U	0.2 U	0.2 U	400 UJ	20 U	40 U	40 UJ	20 UJ	0.4 U	**12 J**	0.2 UJ
Bromochloromethane	5		0.31 U	0.31 U	0.31 U	610 U	31 U	61 U	61 U	31 U	0.61 U	15 U	0.31 U
Bromodichloromethane	50	G	0.18 U	0.18 U	0.18 U	360 U	18 U	36 U	36 U	18 U	0.36 U	9 U	0.18 U
Bromoform	50	G	0.38 U	0.38 U	0.38 U	770 U	38 U	77 U	77 U	38 U	0.77 U	19 U	0.38 U
Bromomethane	5		1.5 U	1.5 U	1.5 U	3100 U	150 U	310 U	310 U	150 U	3.1 UJ	77 U	1.5 U
Carbon Disulfide	60	G	1.4 U	1.4 U	1.4 U	2900 U	140 U	290 U	290 U	140 U	2.9 U	72 U	**2.7 J**
Carbon Tetrachloride	5		0.16 U	0.16 U	0.16 U	330 U	16 U	33 U	33 U	16 U	0.33 U	8.2 U	0.16 U
Chlorobenzene	5		**0.19 J**	0.11 U	0.11 U	210 U	11 U	21 U	21 U	11 U	0.21 U	5.3 U	0.11 U
Chloroethane	5		0.32 U	0.32 U	0.32 U	640 U	32 U	64 U	64 U	32 U	0.64 UJ	16 U	0.32 U
Chloroform	7		**8.7**	0.17 U	0.17 U	340 U	17 U	34 U	34 U	17 U	0.34 U	8.4 U	0.17 U
Chloromethane (Methyl Chloride)	5		0.52 U	0.52 U	0.52 U	1000 U	52 U	100 U	100 U	52 U	1 U	26 U	0.52 U
Cis-1,2-Dichloroethylene	5		0.65 U	0.15 U	0.15 U	**21000**	**14000**	**12000**	**11000**	**6700**	0.29 U	**4300**	0.15 U
Cis-1,3-Dichloropropene	0.4		0.16 U	0.16 U	0.16 U	320 U	16 U	32 U	32 U	16 U	0.32 U	7.9 U	0.16 U
Cyclohexane	N/A		1.8 U	1.8 U	1.8 U	3500 U	180 U	350 U	350 U	180 U	3.5 U	88 U	1.8 U
Dibromochloromethane	50	G	0.22 U	0.22 U	0.22 U	440 U	22 U	44 U	44 U	22 U	0.44 U	11 U	0.22 U
Dichlorodifluoromethane	5		0.19 U	0.19 U	0.19 U	380 U	19 U	38 U	38 U	19 U	0.38 U	9.6 U	0.19 U
Ethylbenzene	5		**0.53 J**	0.21 U	0.21 U	430 U	**25 J**	43 U	43 U	21 U	0.43 U	11 U	0.21 U
Isopropylbenzene (Cumene)	5		**3.8**	0.11 U	0.11 U	220 U	**18 J**	22 U	22 U	11 U	0.22 U	5.4 U	0.11 U
Methyl Acetate	N/A		0.45 U	0.45 U	0.45 U	910 U	45 U	91 U	91 U	45 U	0.91 UJ	23 U	0.45 U
Methyl Ethyl Ketone (2-Butanone)	50	G	1.6 U	1.6 U	1.6 U	3200 U	160 U	320 U	320 U	160 U	3.2 U	81 U	1.6 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	N/A		1.3 U	1.3 U	1.3 U	2600 U	130 U	260 U	260 U	130 U	2.6 U	64 U	1.3 U
Methylcyclohexane	N/A		**2.6**	**1.9**	0.24 U	490 U	24 U	49 U	49 U	24 U	0.49 U	12 U	**0.33 J**
Methylene Chloride	5		0.23 U	0.23 U	0.23 U	470 U	23 U	47 U	47 U	23 U	0.47 U	12 U	0.23 U
Styrene	5		0.11 U	0.11 U	0.11 U	210 U	11 U	21 U	21 U	11 U	0.21 U	5.3 U	0.11 U
Tert-Butyl Methyl Ether	10	G	0.17 U	0.17 U	0.17 U	340 U	17 U	34 U	34 U	17 U	**2.7**	8.6 U	**0.92 J**
Tetrachloroethylene (PCE)	5		0.19 U	0.19 U	**0.8 J**	**130000**	**140000**	**2900**	**2200**	**750**	0.37 U	**3800**	**48 J**
Toluene	5		0.22 U	**0.27 J**	0.22 U	450 U	**32 J**	45 U	45 U	22 U	0.45 U	11 U	0.22 U
Trans-1,2-Dichloroethene	5		0.17 U	0.17 U	0.17 U	340 UJ	**83 J**	**62 J**	**46 J**	**19 J**	0.34 UJ	**30 J**	0.17 U
Trans-1,3-Dichloropropene	0.4		0.17 U	0.17 U	0.17 U	340 U	17 U	34 U	34 U	17 U	0.34 U	8.4 U	0.17 U
Trichloroethylene (TCE)	5		0.19 U	0.19 U	0.19 U	**6700**	**5300**	**2300**	**2000**	**1100**	0.38 U	**1600**	0.19 U
Trichlorofluoromethane	5		0.18 U	0.18 U	0.18 U	350 U	18 U	35 U	35 U	18 U	0.35 U	8.8 U	0.18 U
Vinyl Chloride	2		0.21 U	0.21 U	0.21 U	420 U	**690**	**810**	**1200 J**	**700 J**	0.42 U	**430**	0.21 U
Xylenes	5		1 U	1 U	1 U	2000 U	**120**	200 U	200 U	100 U	2 U	50 U	1 U

Key at end of table.

Source: Ecology and Environment Engineering, P.C. 2015

Table B-1 Summary of Positive Analytical Results for Groundwater Samples
Site Name, City, State

Analyte	Screening Criteria [1]	Notes	ST-MW-10D	OU-2 PZ-2	OU-2 PZ-3	ST-OU2-PZ-4	ST-PZ-06	ST-SB-50
		Sample Name:	MW-10D-2022	OU2-PZ-02-2022	OU2-PZ-03-2022	OU2-PZ-04-2022	PZ-06-2022	SB-50-2022
		Depth:	50 - 60 ft	7.6 - 13 ft	13 - 18 ft	17 - 22 ft	12 - 22 ft	23 - 24 ft
		Date:	09/30/22	10/12/22	10/12/22	09/30/22	09/29/22	09/29/22
Volatile Organic Compounds by Method SW-846 8260D (µg/L)								
1,1,1-Trichloroethane (TCA)	5		0.68 U	0.34 U	0.17 U	0.34 U	0.17 U	0.17 U
1,1,2,2-Tetrachloroethane	5		0.51 U	0.25 U	0.13 U	0.25 U	0.13 U	0.13 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5		0.91 U	0.45 U	0.23 U	0.45 U	0.23 U	0.23 U
1,1,2-Trichloroethane	1		0.73 U	0.37 U	0.18 U	0.37 U	0.18 U	0.18 U
1,1-Dichloroethane	5		0.57 U	0.28 U	0.14 U	0.28 U	0.14 U	0.14 U
1,1-Dichloroethene	5		0.57 U	0.28 U	0.14 U	0.28 U	0.14 U	0.14 U
1,2,3-Trichlorobenzene	5		1.2 U	0.61 U	0.3 U	0.61 U	0.3 U	0.3 U
1,2,4-Trichlorobenzene	5		0.99 U	0.5 U	0.25 U	0.5 U	0.25 U	0.25 U
1,2-Dibromo-3-Chloropropane	0.04		3.2 U	1.6 UJ	0.8 UJ	1.6 U	0.8 U	0.8 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006		0.68 U	0.34 U	0.17 U	0.34 U	0.17 U	0.17 U
1,2-Dichlorobenzene	3		0.49 U	0.24 U	0.12 U	0.24 U	0.12 U	**2.9**
1,2-Dichloroethane	0.6		1.2 U	0.62 U	0.31 U	0.62 U	0.31 U	0.31 U
1,2-Dichloropropane	1		0.72 U	0.36 U	0.18 U	0.36 U	0.18 U	0.18 U
1,3-Dichlorobenzene	3		0.47 U	0.24 U	0.12 U	0.24 U	0.12 U	0.12 U
1,4-Dichlorobenzene	3		0.52 U	0.26 U	0.13 U	0.26 U	0.13 U	**0.95 J**
1,4-Dioxane (P-Dioxane)	0.35		82 U	41 U	21 U	41 U	21 U	21 U
2-Hexanone	50	G	4.5 U	2.2 U	1.1 U	2.2 U	1.1 U	1.1 U
Acetone	50	G	8.1 U	4.1 U	2 U	4.1 U	2 U	2 U
Benzene	1		0.8 U	**2.3**	0.2 U	**0.66 J**	0.2 UJ	**1.5 J**
Bromochloromethane	5		1.2 U	0.61 U	0.31 U	0.61 U	0.31 U	0.31 U
Bromodichloromethane	50	G	0.72 U	0.36 U	0.18 U	0.36 U	0.18 U	0.18 U
Bromoform	50	G	1.5 U	0.77 U	0.38 U	0.77 U	0.38 U	0.38 U
Bromomethane	5		6.2 U	3.1 UJ	1.5 UJ	3.1 U	1.5 U	1.5 U
Carbon Disulfide	60	G	**9.9 J**	2.9 UJ	1.4 UJ	2.9 U	1.4 U	1.4 U
Carbon Tetrachloride	5		0.66 U	0.33 U	0.16 U	0.33 U	0.16 U	0.16 U
Chlorobenzene	5		0.42 U	0.21 U	0.11 U	0.21 U	0.11 U	**0.54 J**
Chloroethane	5		1.3 U	0.64 U	0.32 U	0.64 U	0.32 U	0.32 U
Chloroform	7		0.67 U	**3.8 J**	0.17 U	0.34 U	**4.1**	0.17 U
Chloromethane (Methyl Chloride)	5		2.1 U	1 U	0.52 U	1 U	0.52 U	0.52 U
Cis-1,2-Dichloroethylene	5		0.59 U	0.29 U	0.15 U	**0.66 J**	**5.0**	**2.8**
Cis-1,3-Dichloropropene	0.4		0.63 U	0.32 U	0.16 U	0.32 U	0.16 U	0.16 U
Cyclohexane	N/A		7 U	**73**	1.8 U	**350**	1.8 U	**4.5 J**
Dibromochloromethane	50	G	0.89 U	0.44 U	0.22 U	0.44 U	0.22 U	0.22 U
Dichlorodifluoromethane	5		0.77 U	0.38 U	0.19 U	0.38 U	0.19 U	0.19 U
Ethylbenzene	5		0.86 U	**16**	0.21 U	**35**	0.21 U	**4.7**
Isopropylbenzene (Cumene)	5		0.43 U	**76**	0.11 U	**38**	0.11 U	**16**
Methyl Acetate	N/A		1.8 U	0.91 U	0.45 U	0.91 U	0.45 U	0.45 U
Methyl Ethyl Ketone (2-Butanone)	50	G	**16 J**	3.2 U	1.6 U	3.2 U	1.6 U	1.6 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	N/A		5.1 U	2.6 U	1.3 U	2.6 U	1.3 U	1.3 U
Methylcyclohexane	N/A		0.98 U	**87**	0.24 U	**170**	0.24 U	**6.9**
Methylene Chloride	5		0.94 U	0.47 U	0.23 U	0.47 U	0.23 U	**0.29 J**
Styrene	5		0.42 U	0.21 U	0.11 U	0.21 U	0.11 U	0.11 U
Tert-Butyl Methyl Ether	10	G	**2.1 J**	0.34 U	0.17 U	0.34 U	0.17 U	0.17 U
Tetrachloroethylene (PCE)	5		0.75 U	0.37 U	0.19 U	0.37 U	**10**	0.19 U
Toluene	5		0.9 U	**1.5 J**	0.22 U	**1.3 J**	0.22 U	**0.92 J**
Trans-1,2-Dichloroethene	5		0.67 UJ	0.34 U	0.17 U	0.34 UJ	0.17 UJ	**1.3 J**
Trans-1,3-Dichloropropene	0.4		0.67 U	0.34 U	0.17 U	0.34 U	0.17 U	0.17 U
Trichloroethylene (TCE)	5		0.76 U	0.38 U	0.19 U	**1.6 J**	**0.57 J**	0.19 U
Trichlorofluoromethane	5		0.7 U	0.35 U	0.18 U	0.35 U	0.18 U	0.18 U
Vinyl Chloride	2		0.83 U	0.42 U	0.21 U	0.42 U	0.21 U	**7.2 J**
Xylenes	5		4 U	**3.6**	1 U	**24**	1 U	**1.3**

Key at end of table.

Source: Ecology and Environment Engineering, P.C. 2015

Table B-1 Summary of Positive Analytical Results for Groundwater Samples
Site Name, City, State

		Location ID:	MW-1	MW-1 (1130)
		Sample Name:	MW-01-2022	MW-01B-2022
		Depth:	23 - 24 ft	14 - 19 ft
		Date:	09/28/22	09/28/22
Analyte	Screening Criteria [1]	Notes		

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Notes

G = Guidance value (no standard available)

N/A = Not regulated/no available criteria

Other

µg/L = Micrograms per liter

"-Q" denotes field duplicate sample

Bold values denote positive hits.

Shaded values exceed groundwater screening criteria.

1. New York State Department of Environmental Conservation, Technical and Operational Guidance Series Memorandum #1.1.1: *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*, 1998 (with updates), Class GA Groundwater Standards and Guidance Values.

Key at end of table.

Source: Ecology and Environment Engineering, P.C. 2015

B-2 Laboratory Reports

con-test®
A Pace Analytical® Laboratory

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

October 13, 2022

Preetam Kuchikulla
NYDEC_WSP - Buffalo, NY
50 Lakefront Boulevard #111
Buffalo, NY 14202

Project Location: Rochester, NY
Client Job Number:
Project Number: 828160
Laboratory Work Order Number: 22J0003

Enclosed are results of analyses for samples as received by the laboratory on October 1, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

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NYDEC_WSP - Buffalo, NY
50 Lakefront Boulevard #111
Buffalo, NY 14202
ATTN: Preetam Kuchikulla

REPORT DATE: 10/13/2022

PURCHASE ORDER NUMBER: 142737

PROJECT NUMBER: 828160

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22J0003

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

PROJECT LOCATION: Rochester, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TB-2022	22J0003-01	Ground Water		SW-846 8260D	
MW-06-2022	22J0003-02	Ground Water		SW-846 8260D	
MW-09-2022	22J0003-03	Ground Water		SW-846 8260D	
MW-01B-2022	22J0003-04	Ground Water		SW-846 8260D	
MW-4A-2022	22J0003-05	Ground Water		SW-846 8260D	
MW-01-2022	22J0003-06	Ground Water		SW-846 8260D	
MW-07-2022	22J0003-07	Ground Water		SW-846 8260D	
MW-07-2022Q	22J0003-08	Ground Water		SW-846 8260D	
MW-08D-2022	22J0003-09	Ground Water		SW-846 8260D	
SB-50-2022	22J0003-10	Ground Water		SW-846 8260D	
MW-08-2022	22J0003-11	Ground Water		SW-846 8260D	
MW-05-2022	22J0003-12	Ground Water		SW-846 8260D	
PZ-06-2022	22J0003-13	Ground Water		SW-846 8260D	
MW-10D-2022	22J0003-14	Ground Water		SW-846 8260D	
OU2-PZ-04-2022	22J0003-15	Ground Water		SW-846 8260D	
MW-09D-2022	22J0003-16	Ground Water		SW-846 8260D	
RB-09302022	22J0003-17	Ground Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

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

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SW-846 8260D

Qualifications:

E

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

Tetrachloroethylene
22J0003-02[MW-06-2022]

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Methyl Acetate
B318756-BS1, B318756-BSD1, S077527-CCV1

L-06

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

Analyte & Samples(s) Qualified:

Vinyl Chloride
22J0003-08[MW-07-2022Q], 22J0003-10[SB-50-2022], 22J0003-11[MW-08-2022], B318756-BS1, B318756-BSD1, S077527-CCV1

L-07

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

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
B318748-BSD1

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene
22J0003-09[MW-08D-2022], B318748-MS1, B318748-MSD1

1,2-Dibromo-3-chloropropane (DB
22J0003-09[MW-08D-2022], B318748-MS1, B318748-MSD1

MS-23

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Chloroethane
B318748-MS1

MS-24

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

Analyte & Samples(s) Qualified:

Bromomethane
B318748-MSD1

Methyl Acetate
B318748-MSD1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

trans-1,2-Dichloroethylene
22J0003-08[MW-07-2022Q], 22J0003-10[SB-50-2022], 22J0003- 11[MW-08-2022], 22J0003-12[MW-05-2022], 22J0003-13[PZ-06-2022], 22J0003-14[MW-10D-2022], 22J0003-15[OU2-PZ-04-2022], 22J0003-16[MW-09D-2022], 22J0003-17[RB-09302022], B318756-BLK1, B318756-BS1, B318756-BSD1, S077527-CCV1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

Chloroethane
22J0003-09[MW-08D-2022], B318748-MS1, B318748-MSD1

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RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22J0003-02[MW-06-2022], 22J0003-03[MW-09-2022], 22J0003-07[MW-07-2022], 22J0003-08[MW-07-2022Q], 22J0003- 11[MW-08-2022], 22J0003-12[MW-05-2022], 22J0003-15[OU2-PZ-04-2022]

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

22J0003-09[MW-08D-2022], 22J0003-14[MW-10D-2022]

V-05

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

Analyte & Samples(s) Qualified:

Benzene
22J0003-08[MW-07-2022Q], 22J0003-10[SB-50-2022], 22J0003- 11[MW-08-2022], 22J0003-12[MW-05-2022], 22J0003-13[PZ-06-2022], 22J0003-14[MW-10D-2022], 22J0003-15[OU2-PZ-04-2022], 22J0003-16[MW-09D-2022], 22J0003-17[RB-09302022], B318756-BLK1, B318756-BS1, B318756-BSD1, S077527-CCV1

V-06

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

Analyte & Samples(s) Qualified:

Vinyl Chloride
22J0003-08[MW-07-2022Q], 22J0003-10[SB-50-2022], 22J0003-11[MW-08-2022], B318756-BS1, B318756-BSD1, S077527-CCV1

V-20

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

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 1
B318748-BS1, B318748-BSD1, B318748-MS1, B318748-MSD1, S077448-CCV1

Methyl Acetate
B318756-BS1, B318756-BSD1, S077527-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

con-test® A Pace Analytical® Laboratory

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003
Date Received: 10/1/2022
Field Sample #: TB-2022
Sampled: 10/1/2022 00:00
Sample ID: 22J0003-01
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Chloroform	0.49	2.0	0.17	µg/L	1	J	SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Tetrachloroethylene	0.52	1.0	0.19	µg/L	1	J	SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: TB-2022
Sampled: 10/1/2022 00:00

Sample ID: 22J0003-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/4/22	10/4/22 23:34	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	109	70-130		10/4/22 23:34
Toluene-d8	115	70-130		10/4/22 23:34
4-Bromofluorobenzene	95.5	70-130		10/4/22 23:34

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

Project Location: Rochester, NY | Sample Description: | Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-06-2022 | Sampled: 9/28/2022 10:45

Sample ID: 22J0003-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5000	200	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Benzene	ND	100	20	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Bromochloromethane	ND	100	31	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Bromodichloromethane	ND	50	18	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Bromoform	ND	100	38	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Bromomethane	ND	200	150	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
2-Butanone (MEK)	ND	2000	160	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Carbon Disulfide	ND	500	140	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Carbon Tetrachloride	ND	500	16	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Chlorobenzene	ND	100	11	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Chlorodibromomethane	ND	50	22	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Chloroethane	ND	200	32	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Chloroform	ND	200	17	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Chloromethane	ND	200	52	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Cyclohexane	ND	500	180	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	500	80	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
1,2-Dibromoethane (EDB)	ND	50	17	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
1,2-Dichlorobenzene	ND	100	12	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
1,3-Dichlorobenzene	ND	100	12	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
1,4-Dichlorobenzene	ND	100	13	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Dichlorodifluoromethane (Freon 12)	ND	200	19	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
1,1-Dichloroethane	ND	100	14	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
1,2-Dichloroethane	ND	100	31	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
1,1-Dichloroethylene	24	100	14	µg/L	100	J	SW-846 8260D	10/4/22	10/5/22 5:10	MFF
cis-1,2-Dichloroethylene	14000	100	15	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
trans-1,2-Dichloroethylene	83	100	17	µg/L	100	J	SW-846 8260D	10/4/22	10/5/22 5:10	MFF
1,2-Dichloropropane	ND	100	18	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
cis-1,3-Dichloropropene	ND	50	16	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
trans-1,3-Dichloropropene	ND	50	17	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
1,4-Dioxane	ND	5000	2100	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Ethylbenzene	25	100	21	µg/L	100	J	SW-846 8260D	10/4/22	10/5/22 5:10	MFF
2-Hexanone (MBK)	ND	1000	110	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Isopropylbenzene (Cumene)	18	100	11	µg/L	100	J	SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Methyl Acetate	ND	100	45	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Methyl tert-Butyl Ether (MTBE)	ND	100	17	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Methyl Cyclohexane	ND	100	24	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Methylene Chloride	ND	500	23	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
4-Methyl-2-pentanone (MIBK)	ND	1000	130	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Styrene	ND	100	11	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
1,1,2,2-Tetrachloroethane	ND	50	13	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Tetrachloroethylene	82000	100	19	µg/L	100	E	SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Tetrachloroethylene	140000	5000	940	µg/L	5000		SW-846 8260D	10/4/22	10/5/22 19:03	EEH
Toluene	32	100	22	µg/L	100	J	SW-846 8260D	10/4/22	10/5/22 5:10	MFF
1,2,3-Trichlorobenzene	ND	500	30	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF

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

Project Location: Rochester, NY | Sample Description: | Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-06-2022 | Sampled: 9/28/2022 10:45

Sample ID: 22J0003-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	100	25	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
1,1,1-Trichloroethane	ND	100	17	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
1,1,2-Trichloroethane	ND	100	18	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Trichloroethylene	5300	100	19	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Trichlorofluoromethane (Freon 11)	ND	200	18	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	100	23	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Vinyl Chloride	690	200	21	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF
Xylenes (total)	120	100	100	µg/L	100		SW-846 8260D	10/4/22	10/5/22 5:10	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.8	70-130		10/5/22 5:10
1,2-Dichloroethane-d4	96.0	70-130		10/5/22 19:03
Toluene-d8	99.3	70-130		10/5/22 5:10
Toluene-d8	100	70-130		10/5/22 19:03
4-Bromofluorobenzene	96.3	70-130		10/5/22 5:10
4-Bromofluorobenzene	101	70-130		10/5/22 19:03

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-09-2022
Sampled: 9/28/2022 12:20

Sample ID: 22J0003-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	2500	100	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Benzene	12	50	10	µg/L	50	J	SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Bromochloromethane	ND	50	15	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Bromodichloromethane	ND	25	9.0	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Bromoform	ND	50	19	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Bromomethane	ND	100	77	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
2-Butanone (MEK)	ND	1000	81	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Carbon Disulfide	ND	250	72	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Carbon Tetrachloride	ND	250	8.2	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Chlorobenzene	ND	50	5.3	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Chlorodibromomethane	ND	25	11	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Chloroethane	ND	100	16	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Chloroform	ND	100	8.4	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Chloromethane	ND	100	26	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Cyclohexane	ND	250	88	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	40	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
1,2-Dibromoethane (EDB)	ND	25	8.5	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
1,2-Dichlorobenzene	ND	50	6.1	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
1,3-Dichlorobenzene	ND	50	5.9	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
1,4-Dichlorobenzene	ND	50	6.5	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Dichlorodifluoromethane (Freon 12)	ND	100	9.6	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
1,1-Dichloroethane	ND	50	7.1	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
1,2-Dichloroethane	ND	50	15	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
1,1-Dichloroethylene	ND	50	7.1	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
cis-1,2-Dichloroethylene	4300	50	7.3	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
trans-1,2-Dichloroethylene	30	50	8.4	µg/L	50	J	SW-846 8260D	10/4/22	10/5/22 5:34	MFF
1,2-Dichloropropane	ND	50	9.1	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
cis-1,3-Dichloropropene	ND	25	7.9	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
trans-1,3-Dichloropropene	ND	25	8.4	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
1,4-Dioxane	ND	2500	1000	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Ethylbenzene	ND	50	11	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
2-Hexanone (MBK)	ND	500	56	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Isopropylbenzene (Cumene)	ND	50	5.4	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Methyl Acetate	ND	50	23	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Methyl tert-Butyl Ether (MTBE)	ND	50	8.6	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Methyl Cyclohexane	ND	50	12	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Methylene Chloride	ND	250	12	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
4-Methyl-2-pentanone (MIBK)	ND	500	64	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Styrene	ND	50	5.3	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
1,1,2,2-Tetrachloroethane	ND	25	6.3	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Tetrachloroethylene	3800	50	9.4	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Toluene	ND	50	11	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
1,2,3-Trichlorobenzene	ND	250	15	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
1,2,4-Trichlorobenzene	ND	50	12	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-09-2022
Sampled: 9/28/2022 12:20

Sample ID: 22J0003-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	50	8.4	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
1,1,2-Trichloroethane	ND	50	9.1	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Trichloroethylene	1600	50	9.5	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Trichlorofluoromethane (Freon 11)	ND	100	8.8	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	50	11	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Vinyl Chloride	430	100	10	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF
Xylenes (total)	ND	50	50	µg/L	50		SW-846 8260D	10/4/22	10/5/22 5:34	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.9	70-130		10/5/22 5:34
Toluene-d8	98.9	70-130		10/5/22 5:34
4-Bromofluorobenzene	95.7	70-130		10/5/22 5:34

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003
Date Received: 10/1/2022
Field Sample #: MW-01B-2022
Sampled: 9/28/2022 13:00
Sample ID: 22J0003-04
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.6	50	2.0	µg/L	1	J	SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Methyl Cyclohexane	1.9	1.0	0.24	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Toluene	0.27	1.0	0.22	µg/L	1	J	SW-846 8260D	10/4/22	10/5/22 3:34	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-01B-2022
Sampled: 9/28/2022 13:00

Sample ID: 22J0003-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:34	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.9	70-130		10/5/22 3:34
Toluene-d8	98.6	70-130		10/5/22 3:34
4-Bromofluorobenzene	104	70-130		10/5/22 3:34

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-4A-2022
Sampled: 9/28/2022 13:15

Sample ID: 22J0003-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Tetrachloroethylene	0.80	1.0	0.19	µg/L	1	J	SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-4A-2022
Sampled: 9/28/2022 13:15

Sample ID: 22J0003-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/4/22	10/5/22 3:58	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		10/5/22 3:58
Toluene-d8	99.9	70-130		10/5/22 3:58
4-Bromofluorobenzene	89.4	70-130		10/5/22 3:58

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-01-2022
Sampled: 9/28/2022 15:35

Sample ID: 22J0003-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Chlorobenzene	0.19	1.0	0.11	µg/L	1	J	SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Chloroform	8.7	2.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
1,2-Dichlorobenzene	0.71	1.0	0.12	µg/L	1	J	SW-846 8260D	10/4/22	10/5/22 4:46	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
1,4-Dichlorobenzene	0.30	1.0	0.13	µg/L	1	J	SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
cis-1,2-Dichloroethylene	0.65	1.0	0.15	µg/L	1	J	SW-846 8260D	10/4/22	10/5/22 4:46	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Ethylbenzene	0.53	1.0	0.21	µg/L	1	J	SW-846 8260D	10/4/22	10/5/22 4:46	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Isopropylbenzene (Cumene)	3.8	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Methyl Cyclohexane	2.6	1.0	0.24	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Tetrachloroethylene	1.1	1.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-01-2022
Sampled: 9/28/2022 15:35

Sample ID: 22J0003-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/4/22	10/5/22 4:46	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.8	70-130		10/5/22 4:46
Toluene-d8	98.2	70-130		10/5/22 4:46
4-Bromofluorobenzene	102	70-130		10/5/22 4:46

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

Project Location: Rochester, NY | Sample Description: | Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-07-2022 | Sampled: 9/29/2022 11:05

Sample ID: 22J0003-07

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10000	410	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Benzene	ND	200	40	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Bromochloromethane	ND	200	61	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Bromodichloromethane	ND	100	36	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Bromoform	ND	200	77	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Bromomethane	ND	400	310	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
2-Butanone (MEK)	ND	4000	320	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Carbon Disulfide	ND	1000	290	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Carbon Tetrachloride	ND	1000	33	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Chlorobenzene	ND	200	21	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Chlorodibromomethane	ND	100	44	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Chloroethane	ND	400	64	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Chloroform	ND	400	34	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Chloromethane	ND	400	100	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Cyclohexane	ND	1000	350	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1000	160	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
1,2-Dibromoethane (EDB)	ND	100	34	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
1,2-Dichlorobenzene	ND	200	24	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
1,3-Dichlorobenzene	ND	200	24	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
1,4-Dichlorobenzene	ND	200	26	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Dichlorodifluoromethane (Freon 12)	ND	400	38	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
1,1-Dichloroethane	ND	200	28	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
1,2-Dichloroethane	ND	200	62	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
1,1-Dichloroethylene	ND	200	28	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
cis-1,2-Dichloroethylene	12000	200	29	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
trans-1,2-Dichloroethylene	62	200	34	µg/L	200	J	SW-846 8260D	10/4/22	10/5/22 5:58	MFF
1,2-Dichloropropane	ND	200	36	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
cis-1,3-Dichloropropene	ND	100	32	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
trans-1,3-Dichloropropene	ND	100	34	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
1,4-Dioxane	ND	10000	4100	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Ethylbenzene	ND	200	43	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
2-Hexanone (MBK)	ND	2000	220	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Isopropylbenzene (Cumene)	ND	200	22	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Methyl Acetate	ND	200	91	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Methyl tert-Butyl Ether (MTBE)	ND	200	34	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Methyl Cyclohexane	ND	200	49	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Methylene Chloride	ND	1000	47	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
4-Methyl-2-pentanone (MIBK)	ND	2000	260	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Styrene	ND	200	21	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
1,1,2,2-Tetrachloroethane	ND	100	25	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Tetrachloroethylene	2900	200	37	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Toluene	ND	200	45	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
1,2,3-Trichlorobenzene	ND	1000	61	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
1,2,4-Trichlorobenzene	ND	200	50	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-07-2022
Sampled: 9/29/2022 11:05

Sample ID: 22J0003-07

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	200	34	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
1,1,2-Trichloroethane	ND	200	37	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Trichloroethylene	2300	200	38	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Trichlorofluoromethane (Freon 11)	ND	400	35	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	200	45	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Vinyl Chloride	810	400	42	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF
Xylenes (total)	ND	200	200	µg/L	200		SW-846 8260D	10/4/22	10/5/22 5:58	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.7	70-130		10/5/22 5:58
Toluene-d8	97.9	70-130		10/5/22 5:58
4-Bromofluorobenzene	95.6	70-130		10/5/22 5:58

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

Project Location: Rochester, NY | Sample Description: | Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-07-2022Q | Sampled: 9/29/2022 11:07

Sample ID: 22J0003-08

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10000	410	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Benzene	ND	200	40	µg/L	200	V-05	SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Bromochloromethane	ND	200	61	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Bromodichloromethane	ND	100	36	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Bromoform	ND	400	77	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Bromomethane	ND	400	310	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
2-Butanone (MEK)	ND	4000	320	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Carbon Disulfide	ND	1000	290	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Carbon Tetrachloride	ND	1000	33	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Chlorobenzene	ND	200	21	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Chlorodibromomethane	ND	100	44	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Chloroethane	ND	400	64	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Chloroform	ND	400	34	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Chloromethane	ND	400	100	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Cyclohexane	ND	1000	350	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1000	160	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
1,2-Dibromoethane (EDB)	ND	100	34	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
1,2-Dichlorobenzene	ND	200	24	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
1,3-Dichlorobenzene	ND	200	24	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
1,4-Dichlorobenzene	ND	200	26	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Dichlorodifluoromethane (Freon 12)	ND	400	38	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
1,1-Dichloroethane	ND	200	28	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
1,2-Dichloroethane	ND	200	62	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
1,1-Dichloroethylene	ND	200	28	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
cis-1,2-Dichloroethylene	11000	200	29	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
trans-1,2-Dichloroethylene	46	200	34	µg/L	200	R-05, J	SW-846 8260D	10/4/22	10/5/22 20:25	EEH
1,2-Dichloropropane	ND	200	36	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
cis-1,3-Dichloropropene	ND	100	32	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
trans-1,3-Dichloropropene	ND	100	34	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
1,4-Dioxane	ND	10000	4100	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Ethylbenzene	ND	200	43	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
2-Hexanone (MBK)	ND	2000	220	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Isopropylbenzene (Cumene)	ND	200	22	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Methyl Acetate	ND	200	91	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Methyl tert-Butyl Ether (MTBE)	ND	200	34	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Methyl Cyclohexane	ND	200	49	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Methylene Chloride	ND	1000	47	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
4-Methyl-2-pentanone (MIBK)	ND	2000	260	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Styrene	ND	200	21	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
1,1,2,2-Tetrachloroethane	ND	100	25	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Tetrachloroethylene	2200	200	37	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Toluene	ND	200	45	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
1,2,3-Trichlorobenzene	ND	1000	61	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
1,2,4-Trichlorobenzene	ND	200	50	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH

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Project Location: Rochester, NY | Sample Description: | Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-07-2022Q | Sampled: 9/29/2022 11:07

Sample ID: 22J0003-08

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	200	34	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
1,1,2-Trichloroethane	ND	200	37	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Trichloroethylene	2000	200	38	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Trichlorofluoromethane (Freon 11)	ND	400	35	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	400	45	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Vinyl Chloride	1200	400	42	µg/L	200	L-06, V-06	SW-846 8260D	10/4/22	10/5/22 20:25	EEH
Xylenes (total)	ND	200	200	µg/L	200		SW-846 8260D	10/4/22	10/5/22 20:25	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.8	70-130		10/5/22 20:25
Toluene-d8	98.4	70-130		10/5/22 20:25
4-Bromofluorobenzene	98.9	70-130		10/5/22 20:25

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

Project Location: Rochester, NY | Sample Description: | Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-08D-2022 | Sampled: 9/29/2022 11:20

Sample ID: 22J0003-09

Sample Matrix: Ground Water

Sample Flags: RL-12

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	4.1	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Benzene	ND	2.0	0.40	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Bromochloromethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Bromodichloromethane	ND	1.0	0.36	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Bromoform	ND	2.0	0.77	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Bromomethane	ND	4.0	3.1	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
2-Butanone (MEK)	ND	40	3.2	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Carbon Disulfide	ND	10	2.9	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Chlorobenzene	ND	2.0	0.21	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Chlorodibromomethane	ND	1.0	0.44	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Chloroethane	ND	4.0	0.64	µg/L	2	R-06	SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Chloroform	ND	4.0	0.34	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Cyclohexane	ND	10	3.5	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.6	µg/L	2	MS-07A	SW-846 8260D	10/4/22	10/5/22 4:22	MFF
1,2-Dibromoethane (EDB)	ND	1.0	0.34	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
1,2-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
1,3-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.38	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
1,1-Dichloroethane	ND	2.0	0.28	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
1,2-Dichloroethane	ND	2.0	0.62	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
cis-1,2-Dichloroethylene	ND	2.0	0.29	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
1,2-Dichloropropane	ND	2.0	0.36	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
cis-1,3-Dichloropropene	ND	1.0	0.32	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
trans-1,3-Dichloropropene	ND	1.0	0.34	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
1,4-Dioxane	ND	100	41	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Ethylbenzene	ND	2.0	0.43	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
2-Hexanone (MBK)	ND	20	2.2	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Isopropylbenzene (Cumene)	ND	2.0	0.22	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Methyl Acetate	ND	2.0	0.91	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Methyl tert-Butyl Ether (MTBE)	2.7	2.0	0.34	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Methyl Cyclohexane	ND	2.0	0.49	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Methylene Chloride	ND	10	0.47	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Styrene	ND	2.0	0.21	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Tetrachloroethylene	ND	2.0	0.37	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
1,2,3-Trichlorobenzene	ND	10	0.61	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
1,2,4-Trichlorobenzene	ND	2.0	0.50	µg/L	2	MS-07A	SW-846 8260D	10/4/22	10/5/22 4:22	MFF

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

Project Location: Rochester, NY | Sample Description: | Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-08D-2022 | Sampled: 9/29/2022 11:20

Sample ID: 22J0003-09

Sample Matrix: Ground Water

Sample Flags: RL-12

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	2.0	0.34	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
1,1,2-Trichloroethane	ND	2.0	0.37	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Trichloroethylene	ND	2.0	0.38	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Trichlorofluoromethane (Freon 11)	ND	4.0	0.35	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.45	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Vinyl Chloride	ND	4.0	0.42	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF
Xylenes (total)	ND	2.0	2.0	µg/L	2		SW-846 8260D	10/4/22	10/5/22 4:22	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.2	70-130		10/5/22 4:22
Toluene-d8	99.0	70-130		10/5/22 4:22
4-Bromofluorobenzene	96.0	70-130		10/5/22 4:22

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

Project Location: Rochester, NY | Sample Description: | Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: SB-50-2022 | Sampled: 9/29/2022 12:50

Sample ID: 22J0003-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Benzene	1.5	1.0	0.20	µg/L	1	V-05	SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Bromoform	ND	2.0	0.38	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Chlorobenzene	0.54	1.0	0.11	µg/L	1	J	SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Cyclohexane	4.5	5.0	1.8	µg/L	1	J	SW-846 8260D	10/4/22	10/5/22 17:13	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
1,2-Dichlorobenzene	2.9	1.0	0.12	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
1,4-Dichlorobenzene	0.95	1.0	0.13	µg/L	1	J	SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
cis-1,2-Dichloroethylene	2.8	1.0	0.15	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
trans-1,2-Dichloroethylene	1.3	1.0	0.17	µg/L	1	R-05	SW-846 8260D	10/4/22	10/5/22 17:13	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Ethylbenzene	4.7	1.0	0.21	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Isopropylbenzene (Cumene)	16	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Methyl Cyclohexane	6.9	1.0	0.24	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Methylene Chloride	0.29	5.0	0.23	µg/L	1	J	SW-846 8260D	10/4/22	10/5/22 17:13	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Toluene	0.92	1.0	0.22	µg/L	1	J	SW-846 8260D	10/4/22	10/5/22 17:13	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: SB-50-2022
Sampled: 9/29/2022 12:50

Sample ID: 22J0003-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.23	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Vinyl Chloride	7.2	2.0	0.21	µg/L	1	L-06, V-06	SW-846 8260D	10/4/22	10/5/22 17:13	EEH
Xylenes (total)	1.3	1.0	1.0	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:13	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.8	70-130		10/5/22 17:13
Toluene-d8	100	70-130		10/5/22 17:13
4-Bromofluorobenzene	110	70-130		10/5/22 17:13

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-08-2022
Sampled: 9/29/2022 14:15

Sample ID: 22J0003-11

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	330	5000	200	µg/L	100	J	SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Benzene	ND	100	20	µg/L	100	V-05	SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Bromochloromethane	ND	100	31	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Bromodichloromethane	ND	50	18	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Bromoform	ND	200	38	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Bromomethane	ND	200	150	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
2-Butanone (MEK)	ND	2000	160	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Carbon Disulfide	ND	500	140	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Carbon Tetrachloride	ND	500	16	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Chlorobenzene	ND	100	11	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Chlorodibromomethane	ND	50	22	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Chloroethane	ND	200	32	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Chloroform	ND	200	17	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Chloromethane	ND	200	52	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Cyclohexane	ND	500	180	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	500	80	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
1,2-Dibromoethane (EDB)	ND	50	17	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
1,2-Dichlorobenzene	ND	100	12	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
1,3-Dichlorobenzene	ND	100	12	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
1,4-Dichlorobenzene	ND	100	13	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Dichlorodifluoromethane (Freon 12)	ND	200	19	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
1,1-Dichloroethane	ND	100	14	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
1,2-Dichloroethane	ND	100	31	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
1,1-Dichloroethylene	ND	100	14	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
cis-1,2-Dichloroethylene	6700	100	15	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
trans-1,2-Dichloroethylene	19	100	17	µg/L	100	R-05, J	SW-846 8260D	10/4/22	10/5/22 20:53	EEH
1,2-Dichloropropane	ND	100	18	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
cis-1,3-Dichloropropene	ND	50	16	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
trans-1,3-Dichloropropene	ND	50	17	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
1,4-Dioxane	ND	5000	2100	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Ethylbenzene	ND	100	21	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
2-Hexanone (MBK)	ND	1000	110	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Isopropylbenzene (Cumene)	ND	100	11	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Methyl Acetate	ND	100	45	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Methyl tert-Butyl Ether (MTBE)	ND	100	17	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Methyl Cyclohexane	ND	100	24	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Methylene Chloride	ND	500	23	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
4-Methyl-2-pentanone (MIBK)	ND	1000	130	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Styrene	ND	100	11	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
1,1,2,2-Tetrachloroethane	ND	50	13	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Tetrachloroethylene	750	100	19	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Toluene	ND	100	22	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
1,2,3-Trichlorobenzene	ND	500	30	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
1,2,4-Trichlorobenzene	ND	100	25	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH

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

Project Location: Rochester, NY | Sample Description: | Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-08-2022 | Sampled: 9/29/2022 14:15

Sample ID: 22J0003-11

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	100	17	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
1,1,2-Trichloroethane	ND	100	18	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Trichloroethylene	1100	100	19	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Trichlorofluoromethane (Freon 11)	ND	200	18	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	200	23	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Vinyl Chloride	700	200	21	µg/L	100	L-06, V-06	SW-846 8260D	10/4/22	10/5/22 20:53	EEH
Xylenes (total)	ND	100	100	µg/L	100		SW-846 8260D	10/4/22	10/5/22 20:53	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.8	70-130		10/5/22 20:53
Toluene-d8	99.6	70-130		10/5/22 20:53
4-Bromofluorobenzene	101	70-130		10/5/22 20:53

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-05-2022
Sampled: 9/29/2022 15:25

Sample ID: 22J0003-12

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100000	4100	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Benzene	ND	2000	400	µg/L	2000	V-05	SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Bromochloromethane	ND	2000	610	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Bromodichloromethane	ND	1000	360	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Bromoform	ND	4000	770	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Bromomethane	ND	4000	3100	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
2-Butanone (MEK)	ND	40000	3200	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Carbon Disulfide	ND	10000	2900	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Carbon Tetrachloride	ND	10000	330	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Chlorobenzene	ND	2000	210	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Chlorodibromomethane	ND	1000	440	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Chloroethane	ND	4000	640	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Chloroform	ND	4000	340	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Chloromethane	ND	4000	1000	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Cyclohexane	ND	10000	3500	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10000	1600	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
1,2-Dibromoethane (EDB)	ND	1000	340	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
1,2-Dichlorobenzene	ND	2000	240	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
1,3-Dichlorobenzene	ND	2000	240	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
1,4-Dichlorobenzene	ND	2000	260	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Dichlorodifluoromethane (Freon 12)	ND	4000	380	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
1,1-Dichloroethane	ND	2000	280	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
1,2-Dichloroethane	ND	2000	620	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
1,1-Dichloroethylene	ND	2000	280	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
cis-1,2-Dichloroethylene	21000	2000	290	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
trans-1,2-Dichloroethylene	ND	2000	340	µg/L	2000	R-05	SW-846 8260D	10/4/22	10/5/22 21:20	EEH
1,2-Dichloropropane	ND	2000	360	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
cis-1,3-Dichloropropene	ND	1000	320	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
trans-1,3-Dichloropropene	ND	1000	340	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
1,4-Dioxane	ND	100000	41000	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Ethylbenzene	ND	2000	430	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
2-Hexanone (MBK)	ND	20000	2200	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Isopropylbenzene (Cumene)	ND	2000	220	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Methyl Acetate	ND	2000	910	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2000	340	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Methyl Cyclohexane	ND	2000	490	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Methylene Chloride	ND	10000	470	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
4-Methyl-2-pentanone (MIBK)	ND	20000	2600	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Styrene	ND	2000	210	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
1,1,2,2-Tetrachloroethane	ND	1000	250	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Tetrachloroethylene	130000	2000	370	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Toluene	ND	2000	450	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
1,2,3-Trichlorobenzene	ND	10000	610	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
1,2,4-Trichlorobenzene	ND	2000	500	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-05-2022
Sampled: 9/29/2022 15:25

Sample ID: 22J0003-12

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	2000	340	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
1,1,2-Trichloroethane	ND	2000	370	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Trichloroethylene	6700	2000	380	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Trichlorofluoromethane (Freon 11)	ND	4000	350	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4000	450	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Vinyl Chloride	ND	4000	420	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH
Xylenes (total)	ND	2000	2000	µg/L	2000		SW-846 8260D	10/4/22	10/5/22 21:20	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.9	70-130		10/5/22 21:20
Toluene-d8	100	70-130		10/5/22 21:20
4-Bromofluorobenzene	99.4	70-130		10/5/22 21:20

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003
Date Received: 10/1/2022
Field Sample #: PZ-06-2022
Sampled: 9/29/2022 15:50
Sample ID: 22J0003-13
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Benzene	ND	1.0	0.20	µg/L	1	V-05	SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Bromoform	ND	2.0	0.38	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Chloroform	4.1	2.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
cis-1,2-Dichloroethylene	5.0	1.0	0.15	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1	R-05	SW-846 8260D	10/4/22	10/5/22 17:40	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Tetrachloroethylene	10	1.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: PZ-06-2022
Sampled: 9/29/2022 15:50

Sample ID: 22J0003-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Trichloroethylene	0.57	1.0	0.19	µg/L	1	J	SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.23	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/4/22	10/5/22 17:40	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.5	70-130		10/5/22 17:40
Toluene-d8	99.4	70-130		10/5/22 17:40
4-Bromofluorobenzene	103	70-130		10/5/22 17:40

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

Project Location: Rochester, NY | Sample Description: | Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-10D-2022 | Sampled: 9/30/2022 10:05

Sample ID: 22J0003-14

Sample Matrix: Ground Water

Sample Flags: RL-12

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	200	8.1	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Benzene	ND	4.0	0.80	µg/L	4	V-05	SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Bromochloromethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Bromodichloromethane	ND	2.0	0.72	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Bromoform	ND	8.0	1.5	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Bromomethane	ND	8.0	6.2	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
2-Butanone (MEK)	16	80	6.5	µg/L	4	J	SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Carbon Disulfide	9.9	20	5.8	µg/L	4	J	SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Carbon Tetrachloride	ND	20	0.66	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Chlorobenzene	ND	4.0	0.42	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Chlorodibromomethane	ND	2.0	0.89	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Chloroethane	ND	8.0	1.3	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Chloroform	ND	8.0	0.67	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Chloromethane	ND	8.0	2.1	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Cyclohexane	ND	20	7.0	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	3.2	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
1,2-Dibromoethane (EDB)	ND	2.0	0.68	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
1,2-Dichlorobenzene	ND	4.0	0.49	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
1,3-Dichlorobenzene	ND	4.0	0.47	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
1,4-Dichlorobenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Dichlorodifluoromethane (Freon 12)	ND	8.0	0.77	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
1,1-Dichloroethane	ND	4.0	0.57	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
1,2-Dichloroethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
1,1-Dichloroethylene	ND	4.0	0.57	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
cis-1,2-Dichloroethylene	ND	4.0	0.59	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
trans-1,2-Dichloroethylene	ND	4.0	0.67	µg/L	4	R-05	SW-846 8260D	10/4/22	10/5/22 18:08	EEH
1,2-Dichloropropane	ND	4.0	0.72	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
cis-1,3-Dichloropropene	ND	2.0	0.63	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
trans-1,3-Dichloropropene	ND	2.0	0.67	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
1,4-Dioxane	ND	200	82	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Ethylbenzene	ND	4.0	0.86	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
2-Hexanone (MBK)	ND	40	4.5	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Isopropylbenzene (Cumene)	ND	4.0	0.43	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Methyl Acetate	ND	4.0	1.8	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Methyl tert-Butyl Ether (MTBE)	2.1	4.0	0.69	µg/L	4	J	SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Methyl Cyclohexane	ND	4.0	0.98	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Methylene Chloride	ND	20	0.94	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
4-Methyl-2-pentanone (MIBK)	ND	40	5.1	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Styrene	ND	4.0	0.42	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.51	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Tetrachloroethylene	ND	4.0	0.75	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Toluene	ND	4.0	0.90	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
1,2,3-Trichlorobenzene	ND	20	1.2	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
1,2,4-Trichlorobenzene	ND	4.0	0.99	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH

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

Project Location: Rochester, NY | Sample Description: | Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-10D-2022 | Sampled: 9/30/2022 10:05

Sample ID: 22J0003-14

Sample Matrix: Ground Water

Sample Flags: RL-12

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	4.0	0.68	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
1,1,2-Trichloroethane	ND	4.0	0.73	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Trichloroethylene	ND	4.0	0.76	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Trichlorofluoromethane (Freon 11)	ND	8.0	0.70	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	8.0	0.91	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Vinyl Chloride	ND	8.0	0.83	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH
Xylenes (total)	ND	4.0	4.0	µg/L	4		SW-846 8260D	10/4/22	10/5/22 18:08	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.0	70-130		10/5/22 18:08
Toluene-d8	99.5	70-130		10/5/22 18:08
4-Bromofluorobenzene	102	70-130		10/5/22 18:08

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

Project Location: Rochester, NY | Sample Description: | Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: OU2-PZ-04-2022 | Sampled: 9/30/2022 11:05

Sample ID: 22J0003-15

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	4.1	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Benzene	0.66	2.0	0.40	µg/L	2	V-05, J	SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Bromochloromethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Bromodichloromethane	ND	1.0	0.36	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Bromoform	ND	4.0	0.77	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Bromomethane	ND	4.0	3.1	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
2-Butanone (MEK)	ND	40	3.2	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Carbon Disulfide	ND	10	2.9	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Chlorobenzene	ND	2.0	0.21	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Chlorodibromomethane	ND	1.0	0.44	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Chloroethane	ND	4.0	0.64	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Chloroform	ND	4.0	0.34	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Cyclohexane	350	10	3.5	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.6	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
1,2-Dibromoethane (EDB)	ND	1.0	0.34	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
1,2-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
1,3-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.38	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
1,1-Dichloroethane	ND	2.0	0.28	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
1,2-Dichloroethane	ND	2.0	0.62	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
cis-1,2-Dichloroethylene	0.66	2.0	0.29	µg/L	2	J	SW-846 8260D	10/4/22	10/5/22 18:35	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2	R-05	SW-846 8260D	10/4/22	10/5/22 18:35	EEH
1,2-Dichloropropane	ND	2.0	0.36	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
cis-1,3-Dichloropropene	ND	1.0	0.32	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
trans-1,3-Dichloropropene	ND	1.0	0.34	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
1,4-Dioxane	ND	100	41	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Ethylbenzene	35	2.0	0.43	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
2-Hexanone (MBK)	ND	20	2.2	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Isopropylbenzene (Cumene)	38	2.0	0.22	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Methyl Acetate	ND	2.0	0.91	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Methyl Cyclohexane	170	2.0	0.49	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Methylene Chloride	ND	10	0.47	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Styrene	ND	2.0	0.21	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Tetrachloroethylene	ND	2.0	0.37	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Toluene	1.3	2.0	0.45	µg/L	2	J	SW-846 8260D	10/4/22	10/5/22 18:35	EEH
1,2,3-Trichlorobenzene	ND	10	0.61	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
1,2,4-Trichlorobenzene	ND	2.0	0.50	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH

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

Project Location: Rochester, NY | Sample Description: | Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: OU2-PZ-04-2022 | Sampled: 9/30/2022 11:05

Sample ID: 22J0003-15

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	2.0	0.34	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
1,1,2-Trichloroethane	ND	2.0	0.37	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Trichloroethylene	1.6	2.0	0.38	µg/L	2	J	SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	0.35	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	0.45	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Vinyl Chloride	ND	4.0	0.42	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH
Xylenes (total)	24	2.0	2.0	µg/L	2		SW-846 8260D	10/4/22	10/5/22 18:35	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.5	70-130		10/5/22 18:35
Toluene-d8	98.3	70-130		10/5/22 18:35
4-Bromofluorobenzene	105	70-130		10/5/22 18:35

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003
Date Received: 10/1/2022
Field Sample #: MW-09D-2022
Sampled: 9/30/2022 11:40
Sample ID: 22J0003-16
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Benzene	ND	1.0	0.20	µg/L	1	V-05	SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Bromoform	ND	2.0	0.38	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Carbon Disulfide	2.7	5.0	1.4	µg/L	1	J	SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
cis-1,2-Dichloroethylene	1.7	1.0	0.15	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1	R-05	SW-846 8260D	10/4/22	10/5/22 19:58	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Methyl tert-Butyl Ether (MTBE)	0.92	1.0	0.17	µg/L	1	J	SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Methyl Cyclohexane	0.33	1.0	0.24	µg/L	1	J	SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Tetrachloroethylene	48	1.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: MW-09D-2022
Sampled: 9/30/2022 11:40

Sample ID: 22J0003-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Trichloroethylene	2.0	1.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.23	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/4/22	10/5/22 19:58	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.4	70-130		10/5/22 19:58
Toluene-d8	99.2	70-130		10/5/22 19:58
4-Bromofluorobenzene	101	70-130		10/5/22 19:58

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003
Date Received: 10/1/2022
Field Sample #: RB-09302022
Sampled: 9/30/2022 12:00
Sample ID: 22J0003-17
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.9	50	2.0	µg/L	1	J	SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Benzene	0.62	1.0	0.20	µg/L	1	V-05, J	SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Bromoform	ND	2.0	0.38	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Chloroform	0.52	2.0	0.17	µg/L	1	J	SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
cis-1,2-Dichloroethylene	2.0	1.0	0.15	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1	R-05	SW-846 8260D	10/4/22	10/5/22 16:18	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Tetrachloroethylene	140	1.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J0003

Date Received: 10/1/2022

Field Sample #: RB-09302022
Sampled: 9/30/2022 12:00

Sample ID: 22J0003-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Trichloroethylene	1.5	1.0	0.19	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.23	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/4/22	10/5/22 16:18	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.6	70-130		10/5/22 16:18
Toluene-d8	99.0	70-130		10/5/22 16:18
4-Bromofluorobenzene	101	70-130		10/5/22 16:18

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Sample Extraction Data

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J0003-01 [TB-2022]	B318748	5	5.00	10/04/22
22J0003-02 [MW-06-2022]	B318748	0.05	5.00	10/04/22
22J0003-03 [MW-09-2022]	B318748	0.1	5.00	10/04/22
22J0003-04 [MW-01B-2022]	B318748	5	5.00	10/04/22
22J0003-05 [MW-4A-2022]	B318748	5	5.00	10/04/22
22J0003-06 [MW-01-2022]	B318748	5	5.00	10/04/22
22J0003-07 [MW-07-2022]	B318748	0.025	5.00	10/04/22
22J0003-09 [MW-08D-2022]	B318748	2.5	5.00	10/04/22

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J0003-02RE1 [MW-06-2022]	B318756	0.001	5.00	10/04/22
22J0003-08 [MW-07-2022Q]	B318756	0.025	5.00	10/04/22
22J0003-10 [SB-50-2022]	B318756	5	5.00	10/04/22
22J0003-11 [MW-08-2022]	B318756	0.05	5.00	10/04/22
22J0003-12 [MW-05-2022]	B318756	0.0025	5.00	10/04/22
22J0003-13 [PZ-06-2022]	B318756	5	5.00	10/04/22
22J0003-14 [MW-10D-2022]	B318756	1.25	5.00	10/04/22
22J0003-15 [OU2-PZ-04-2022]	B318756	2.5	5.00	10/04/22
22J0003-16 [MW-09D-2022]	B318756	5	5.00	10/04/22
22J0003-17 [RB-09302022]	B318756	5	5.00	10/04/22

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318748 - SW-846 5030B										
Blank (B318748-BLK1)				Prepared & Analyzed: 10/04/22						
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B318748 - SW-846 5030B											
Blank (B318748-BLK1)				Prepared & Analyzed: 10/04/22							
o-Xylene	ND	1.0	µg/L								
Xylenes (total)	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*26.4*		µg/L	25.0		105	70-130				
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101	70-130				
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.2	70-130				
LCS (B318748-BS1)				Prepared & Analyzed: 10/04/22							
Acetone	85.6	50	µg/L	100		85.6	70-160				†
Benzene	11.7	1.0	µg/L	10.0		117	70-130				
Bromochloromethane	12.2	1.0	µg/L	10.0		122	70-130				
Bromodichloromethane	10.5	0.50	µg/L	10.0		105	70-130				
Bromoform	8.49	1.0	µg/L	10.0		84.9	70-130				
Bromomethane	13.1	2.0	µg/L	10.0		131	40-160				†
2-Butanone (MEK)	109	20	µg/L	100		109	40-160				†
Carbon Disulfide	99.7	5.0	µg/L	100		99.7	70-130				
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130				
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
Chlorodibromomethane	9.72	0.50	µg/L	10.0		97.2	70-130				
Chloroethane	8.64	2.0	µg/L	10.0		86.4	70-130				
Chloroform	11.1	2.0	µg/L	10.0		111	70-130				
Chloromethane	11.6	2.0	µg/L	10.0		116	40-160				†
Cyclohexane	11.6	5.0	µg/L	10.0		116	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	7.58	5.0	µg/L	10.0		75.8	70-130				
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130				
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130				
1,3-Dichlorobenzene	10.9	1.0	µg/L	10.0		109	70-130				
1,4-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130				
Dichlorodifluoromethane (Freon 12)	12.8	2.0	µg/L	10.0		128	40-160			V-20	†
1,1-Dichloroethane	11.1	1.0	µg/L	10.0		111	70-130				
1,2-Dichloroethane	10.3	1.0	µg/L	10.0		103	70-130				
1,1-Dichloroethylene	9.35	1.0	µg/L	10.0		93.5	70-130				
cis-1,2-Dichloroethylene	11.2	1.0	µg/L	10.0		112	70-130				
trans-1,2-Dichloroethylene	9.17	1.0	µg/L	10.0		91.7	70-130				
1,2-Dichloropropane	11.5	1.0	µg/L	10.0		115	70-130				
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130				
trans-1,3-Dichloropropene	9.60	0.50	µg/L	10.0		96.0	70-130				
1,4-Dioxane	79.4	50	µg/L	100		79.4	40-130				†
Ethylbenzene	10.5	1.0	µg/L	10.0		105	70-130				
2-Hexanone (MBK)	92.8	10	µg/L	100		92.8	70-160				†
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.0		101	70-130				
Methyl Acetate	8.72	1.0	µg/L	10.0		87.2	70-130				
Methyl tert-Butyl Ether (MTBE)	9.58	1.0	µg/L	10.0		95.8	70-130				
Methyl Cyclohexane	11.6	1.0	µg/L	10.0		116	70-130				
Methylene Chloride	8.99	5.0	µg/L	10.0		89.9	70-130				
4-Methyl-2-pentanone (MIBK)	94.3	10	µg/L	100		94.3	70-160				†
Styrene	10.3	1.0	µg/L	10.0		103	70-130				
1,1,2,2-Tetrachloroethane	8.97	0.50	µg/L	10.0		89.7	70-130				
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130				
Toluene	10.7	1.0	µg/L	10.0		107	70-130				
1,2,3-Trichlorobenzene	8.13	5.0	µg/L	10.0		81.3	70-130				
1,2,4-Trichlorobenzene	7.78	1.0	µg/L	10.0		77.8	70-130				
1,1,1-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B318748 - SW-846 5030B											
LCS (B318748-BS1)				Prepared & Analyzed: 10/04/22							
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130				
Trichloroethylene	11.5	1.0	µg/L	10.0		115	70-130				
Trichlorofluoromethane (Freon 11)	9.73	2.0	µg/L	10.0		97.3	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7	1.0	µg/L	10.0		107	70-130				
Vinyl Chloride	12.0	2.0	µg/L	10.0		120	40-160				†
m+p Xylene	20.3	2.0	µg/L	20.0		102	70-130				
o-Xylene	10.0	1.0	µg/L	10.0		100	70-130				
Xylenes (total)	30.3	1.0	µg/L	30.0		101	0-200				
Surrogate: 1,2-Dichloroethane-d4	*26.8*		µg/L	25.0		107	70-130				
Surrogate: Toluene-d8	*25.6*		µg/L	25.0		103	70-130				
Surrogate: 4-Bromofluorobenzene	*24.1*		µg/L	25.0		96.3	70-130				
LCS Dup (B318748-BSD1)				Prepared & Analyzed: 10/04/22							
Acetone	76.6	50	µg/L	100		76.6	70-160	11.1	25		†
Benzene	11.0	1.0	µg/L	10.0		110	70-130	5.90	25		
Bromochloromethane	11.7	1.0	µg/L	10.0		117	70-130	4.61	25		
Bromodichloromethane	10.2	0.50	µg/L	10.0		102	70-130	2.61	25		
Bromoform	8.38	1.0	µg/L	10.0		83.8	70-130	1.30	25		
Bromomethane	12.8	2.0	µg/L	10.0		128	40-160	2.78	25		†
2-Butanone (MEK)	99.4	20	µg/L	100		99.4	40-160	9.15	25		†
Carbon Disulfide	92.4	5.0	µg/L	100		92.4	70-130	7.64	25		
Carbon Tetrachloride	10.4	5.0	µg/L	10.0		104	70-130	3.88	25		
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.26	25		
Chlorodibromomethane	9.47	0.50	µg/L	10.0		94.7	70-130	2.61	25		
Chloroethane	8.00	2.0	µg/L	10.0		80.0	70-130	7.69	25		
Chloroform	10.7	2.0	µg/L	10.0		107	70-130	4.22	25		
Chloromethane	10.8	2.0	µg/L	10.0		108	40-160	7.16	25		†
Cyclohexane	11.2	5.0	µg/L	10.0		112	70-130	3.50	25		
1,2-Dibromo-3-chloropropane (DBCP)	7.38	5.0	µg/L	10.0		73.8	70-130	2.67	25		
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130	1.94	25		
1,2-Dichlorobenzene	9.89	1.0	µg/L	10.0		98.9	70-130	3.87	25		
1,3-Dichlorobenzene	9.98	1.0	µg/L	10.0		99.8	70-130	8.72	25		
1,4-Dichlorobenzene	9.83	1.0	µg/L	10.0		98.3	70-130	1.71	25		
Dichlorodifluoromethane (Freon 12)	12.2	2.0	µg/L	10.0		122	40-160	4.96	25	V-20	†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130	5.38	25		
1,2-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130	0.880	25		
1,1-Dichloroethylene	8.67	1.0	µg/L	10.0		86.7	70-130	7.55	25		
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	5.41	25		
trans-1,2-Dichloroethylene	9.16	1.0	µg/L	10.0		91.6	70-130	0.109	25		
1,2-Dichloropropane	11.0	1.0	µg/L	10.0		110	70-130	5.06	25		
cis-1,3-Dichloropropene	9.87	0.50	µg/L	10.0		98.7	70-130	3.39	25		
trans-1,3-Dichloropropene	9.48	0.50	µg/L	10.0		94.8	70-130	1.26	25		
1,4-Dioxane	80.1	50	µg/L	100		80.1	40-130	0.953	50		† ‡
Ethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	2.02	25		
2-Hexanone (MBK)	86.8	10	µg/L	100		86.8	70-160	6.69	25		†
Isopropylbenzene (Cumene)	9.95	1.0	µg/L	10.0		99.5	70-130	1.10	25		
Methyl Acetate	7.76	1.0	µg/L	10.0		77.6	70-130	11.7	25		
Methyl tert-Butyl Ether (MTBE)	9.35	1.0	µg/L	10.0		93.5	70-130	2.43	25		
Methyl Cyclohexane	11.4	1.0	µg/L	10.0		114	70-130	1.04	25		
Methylene Chloride	8.76	5.0	µg/L	10.0		87.6	70-130	2.59	25		
4-Methyl-2-pentanone (MIBK)	88.6	10	µg/L	100		88.6	70-160	6.17	25		†
Styrene	9.99	1.0	µg/L	10.0		99.9	70-130	2.86	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B318748 - SW-846 5030B												
LCS Dup (B318748-BSD1)				Prepared & Analyzed: 10/04/22								
1,1,2,2-Tetrachloroethane	8.64	0.50	µg/L	10.0		86.4		70-130	3.75	25		
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104		70-130	2.10	25		
Toluene	10.4	1.0	µg/L	10.0		104		70-130	1.99	25		
1,2,3-Trichlorobenzene	6.85	5.0	µg/L	10.0		**68.5**	*	70-130	17.1	25	L-07	
1,2,4-Trichlorobenzene	7.02	1.0	µg/L	10.0		70.2		70-130	10.3	25		
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102		70-130	6.62	25		
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105		70-130	1.73	25		
Trichloroethylene	11.4	1.0	µg/L	10.0		114		70-130	1.13	25		
Trichlorofluoromethane (Freon 11)	9.44	2.0	µg/L	10.0		94.4		70-130	3.03	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.77	1.0	µg/L	10.0		97.7		70-130	9.37	25		
Vinyl Chloride	11.6	2.0	µg/L	10.0		116		40-160	3.30	25		†
m+p Xylene	20.2	2.0	µg/L	20.0		101		70-130	0.692	25		
o-Xylene	9.83	1.0	µg/L	10.0		98.3		70-130	1.91	25		
Xylenes (total)	30.0	1.0	µg/L	30.0		100		0-200	1.09			
Surrogate: 1,2-Dichloroethane-d4	*25.3*		µg/L	25.0		101		70-130				
Surrogate: Toluene-d8	*25.9*		µg/L	25.0		104		70-130				
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.8		70-130				
Matrix Spike (B318748-MS1)		**Source: 22J0003-09**		Prepared: 10/04/22 Analyzed: 10/05/22								
Acetone	77.4	50	µg/L	100	ND	77.4		70-130				
Benzene	9.81	1.0	µg/L	10.0	ND	98.1		70-130				
Bromochloromethane	10.4	1.0	µg/L	10.0	ND	104		70-130				
Bromodichloromethane	9.11	0.50	µg/L	10.0	ND	91.1		70-130				
Bromoform	8.04	1.0	µg/L	10.0	ND	80.4		70-130				
Bromomethane	7.86	2.0	µg/L	10.0	ND	78.6		70-130				
2-Butanone (MEK)	91.7	20	µg/L	100	ND	91.7		70-130				
Carbon Disulfide	104	5.0	µg/L	100	ND	104		70-130				
Carbon Tetrachloride	9.33	5.0	µg/L	10.0	ND	93.3		70-130				
Chlorobenzene	9.86	1.0	µg/L	10.0	ND	98.6		70-130				
Chlorodibromomethane	8.30	0.50	µg/L	10.0	ND	83.0		70-130				
Chloroethane	6.32	2.0	µg/L	10.0	ND	**63.2**	*	70-130			MS-23, R-06	
Chloroform	9.31	2.0	µg/L	10.0	ND	93.1		70-130				
Chloromethane	10.3	2.0	µg/L	10.0	ND	103		70-130				
Cyclohexane	10.4	5.0	µg/L	10.0	ND	104		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	6.65	5.0	µg/L	10.0	ND	**66.5**	*	70-130			MS-07A	
1,2-Dibromoethane (EDB)	9.11	0.50	µg/L	10.0	ND	91.1		70-130				
1,2-Dichlorobenzene	9.03	1.0	µg/L	10.0	ND	90.3		70-130				
1,3-Dichlorobenzene	8.96	1.0	µg/L	10.0	ND	89.6		70-130				
1,4-Dichlorobenzene	8.64	1.0	µg/L	10.0	ND	86.4		70-130				
Dichlorodifluoromethane (Freon 12)	10.8	2.0	µg/L	10.0	ND	108		70-130			V-20	
1,1-Dichloroethane	9.36	1.0	µg/L	10.0	ND	93.6		70-130				
1,2-Dichloroethane	8.77	1.0	µg/L	10.0	ND	87.7		70-130				
1,1-Dichloroethylene	8.98	1.0	µg/L	10.0	ND	89.8		70-130				
cis-1,2-Dichloroethylene	8.84	1.0	µg/L	10.0	ND	88.4		70-130				
trans-1,2-Dichloroethylene	9.42	1.0	µg/L	10.0	ND	94.2		70-130				
1,2-Dichloropropane	9.77	1.0	µg/L	10.0	ND	97.7		70-130				
cis-1,3-Dichloropropene	8.16	0.50	µg/L	10.0	ND	81.6		70-130				
trans-1,3-Dichloropropene	7.59	0.50	µg/L	10.0	ND	75.9		70-130				
1,4-Dioxane	81.0	50	µg/L	100	ND	81.0		70-130				
Ethylbenzene	9.81	1.0	µg/L	10.0	ND	98.1		70-130				
2-Hexanone (MBK)	81.2	10	µg/L	100	ND	81.2		70-130				
Isopropylbenzene (Cumene)	9.51	1.0	µg/L	10.0	ND	95.1		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B318748 - SW-846 5030B											
Matrix Spike (B318748-MS1)		**Source: 22J0003-09**		Prepared: 10/04/22 Analyzed: 10/05/22							
Methyl Acetate	7.08	1.0	µg/L	10.0	ND	70.8		70-130			
Methyl tert-Butyl Ether (MTBE)	10.7	1.0	µg/L	10.0	2.74	79.5		70-130			
Methyl Cyclohexane	10.2	1.0	µg/L	10.0	ND	102		70-130			
Methylene Chloride	9.45	5.0	µg/L	10.0	ND	94.5		70-130			
4-Methyl-2-pentanone (MIBK)	83.3	10	µg/L	100	ND	83.3		70-130			
Styrene	9.23	1.0	µg/L	10.0	ND	92.3		70-130			
1,1,2,2-Tetrachloroethane	8.98	0.50	µg/L	10.0	ND	89.8		70-130			
Tetrachloroethylene	10.1	1.0	µg/L	10.0	ND	101		70-130			
Toluene	9.53	1.0	µg/L	10.0	ND	95.3		70-130			
1,2,3-Trichlorobenzene	7.14	5.0	µg/L	10.0	ND	71.4		70-130			
1,2,4-Trichlorobenzene	6.90	1.0	µg/L	10.0	ND	**69.0**	*	70-130			MS-07A
1,1,1-Trichloroethane	9.13	1.0	µg/L	10.0	ND	91.3		70-130			
1,1,2-Trichloroethane	9.40	1.0	µg/L	10.0	ND	94.0		70-130			
Trichloroethylene	9.87	1.0	µg/L	10.0	ND	98.7		70-130			
Trichlorofluoromethane (Freon 11)	9.38	2.0	µg/L	10.0	ND	93.8		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.70	1.0	µg/L	10.0	ND	97.0		70-130			
Vinyl Chloride	11.2	2.0	µg/L	10.0	ND	112		70-130			
m+p Xylene	19.0	2.0	µg/L	20.0	ND	94.8		70-130			
o-Xylene	9.30	1.0	µg/L	10.0	ND	93.0		70-130			
Xylenes (total)	28.3	1.0	µg/L	30.0	ND	94.2		0-200			
Surrogate: 1,2-Dichloroethane-d4	*22.6*		µg/L	25.0		90.2		70-130			
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.7		70-130			
Surrogate: 4-Bromofluorobenzene	*25.1*		µg/L	25.0		100		70-130			
Matrix Spike Dup (B318748-MSD1)		**Source: 22J0003-09**		Prepared: 10/04/22 Analyzed: 10/05/22							
Acetone	73.2	50	µg/L	100	ND	73.2		70-130	5.58	30	
Benzene	10.6	1.0	µg/L	10.0	ND	106		70-130	8.02	30	
Bromochloromethane	11.2	1.0	µg/L	10.0	ND	112		70-130	7.44	30	
Bromodichloromethane	9.32	0.50	µg/L	10.0	ND	93.2		70-130	2.28	30	
Bromoform	7.52	1.0	µg/L	10.0	ND	75.2		70-130	6.68	30	
Bromomethane	6.56	2.0	µg/L	10.0	ND	**65.6**	*	70-130	18.0	30	MS-24
2-Butanone (MEK)	94.8	20	µg/L	100	ND	94.8		70-130	3.38	30	
Carbon Disulfide	94.0	5.0	µg/L	100	ND	94.0		70-130	10.5	30	
Carbon Tetrachloride	10.6	5.0	µg/L	10.0	ND	106		70-130	12.7	30	
Chlorobenzene	9.15	1.0	µg/L	10.0	ND	91.5		70-130	7.47	30	
Chlorodibromomethane	8.38	0.50	µg/L	10.0	ND	83.8		70-130	0.959	30	
Chloroethane	8.57	2.0	µg/L	10.0	ND	85.7		70-130	**30.2**	* 30	R-06
Chloroform	10.4	2.0	µg/L	10.0	ND	104		70-130	11.1	30	
Chloromethane	8.71	2.0	µg/L	10.0	ND	87.1		70-130	17.0	30	
Cyclohexane	11.1	5.0	µg/L	10.0	ND	111		70-130	6.44	30	
1,2-Dibromo-3-chloropropane (DBCP)	6.46	5.0	µg/L	10.0	ND	**64.6**	*	70-130	2.90	30	MS-07A
1,2-Dibromoethane (EDB)	9.19	0.50	µg/L	10.0	ND	91.9		70-130	0.874	30	
1,2-Dichlorobenzene	9.19	1.0	µg/L	10.0	ND	91.9		70-130	1.76	30	
1,3-Dichlorobenzene	9.20	1.0	µg/L	10.0	ND	92.0		70-130	2.64	30	
1,4-Dichlorobenzene	8.85	1.0	µg/L	10.0	ND	88.5		70-130	2.40	30	
Dichlorodifluoromethane (Freon 12)	10.0	2.0	µg/L	10.0	ND	100		70-130	7.41	30	V-20
1,1-Dichloroethane	10.4	1.0	µg/L	10.0	ND	104		70-130	10.2	30	
1,2-Dichloroethane	9.34	1.0	µg/L	10.0	ND	93.4		70-130	6.29	30	
1,1-Dichloroethylene	8.86	1.0	µg/L	10.0	ND	88.6		70-130	1.35	30	
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0	ND	102		70-130	14.4	30	
trans-1,2-Dichloroethylene	9.95	1.0	µg/L	10.0	ND	99.5		70-130	5.47	30	
1,2-Dichloropropane	10.2	1.0	µg/L	10.0	ND	102		70-130	4.40	30	

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B318748 - SW-846 5030B											
Matrix Spike Dup (B318748-MSD1)		**Source: 22J0003-09**		Prepared: 10/04/22 Analyzed: 10/05/22							
cis-1,3-Dichloropropene	8.32	0.50	µg/L	10.0	ND	83.2		70-130	1.94	30	
trans-1,3-Dichloropropene	7.89	0.50	µg/L	10.0	ND	78.9		70-130	3.88	30	
1,4-Dioxane	77.3	50	µg/L	100	ND	77.3		70-130	4.74	30	
Ethylbenzene	9.66	1.0	µg/L	10.0	ND	96.6		70-130	1.54	30	
2-Hexanone (MBK)	79.8	10	µg/L	100	ND	79.8		70-130	1.83	30	
Isopropylbenzene (Cumene)	8.99	1.0	µg/L	10.0	ND	89.9		70-130	5.62	30	
Methyl Acetate	6.40	1.0	µg/L	10.0	ND	**64.0**	*	70-130	10.1	30	MS-24
Methyl tert-Butyl Ether (MTBE)	11.0	1.0	µg/L	10.0	2.74	82.7		70-130	2.95	30	
Methyl Cyclohexane	10.7	1.0	µg/L	10.0	ND	107		70-130	4.68	30	
Methylene Chloride	8.38	5.0	µg/L	10.0	ND	83.8		70-130	12.0	30	
4-Methyl-2-pentanone (MIBK)	83.1	10	µg/L	100	ND	83.1		70-130	0.216	30	
Styrene	8.94	1.0	µg/L	10.0	ND	89.4		70-130	3.19	30	
1,1,2,2-Tetrachloroethane	8.52	0.50	µg/L	10.0	ND	85.2		70-130	5.26	30	
Tetrachloroethylene	9.64	1.0	µg/L	10.0	ND	96.4		70-130	4.56	30	
Toluene	9.69	1.0	µg/L	10.0	ND	96.9		70-130	1.66	30	
1,2,3-Trichlorobenzene	7.24	5.0	µg/L	10.0	ND	72.4		70-130	1.39	30	
1,2,4-Trichlorobenzene	6.76	1.0	µg/L	10.0	ND	**67.6**	*	70-130	2.05	30	MS-07A
1,1,1-Trichloroethane	10.1	1.0	µg/L	10.0	ND	101		70-130	10.2	30	
1,1,2-Trichloroethane	9.13	1.0	µg/L	10.0	ND	91.3		70-130	2.91	30	
Trichloroethylene	10.0	1.0	µg/L	10.0	ND	100		70-130	1.81	30	
Trichlorofluoromethane (Freon 11)	10.4	2.0	µg/L	10.0	ND	104		70-130	9.93	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.35	1.0	µg/L	10.0	ND	93.5		70-130	3.67	30	
Vinyl Chloride	10.1	2.0	µg/L	10.0	ND	101		70-130	11.0	30	
m+p Xylene	18.6	2.0	µg/L	20.0	ND	93.0		70-130	1.86	20	
o-Xylene	9.04	1.0	µg/L	10.0	ND	90.4		70-130	2.84	30	
Xylenes (total)	27.6	1.0	µg/L	30.0	ND	92.2		0-200	2.18		
Surrogate: 1,2-Dichloroethane-d4	*26.7*		µg/L	25.0		107		70-130			
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102		70-130			
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.1		70-130			
Batch B318756 - SW-846 5030B											
Blank (B318756-BLK1)				Prepared: 10/04/22 Analyzed: 10/05/22							
Acetone	ND	50	µg/L								
Benzene	ND	1.0	µg/L								V-05
Bromochloromethane	ND	1.0	µg/L								
Bromodichloromethane	ND	0.50	µg/L								
Bromoform	ND	1.0	µg/L								
Bromomethane	ND	2.0	µg/L								
2-Butanone (MEK)	ND	20	µg/L								
Carbon Disulfide	ND	5.0	µg/L								
Carbon Tetrachloride	ND	5.0	µg/L								
Chlorobenzene	ND	1.0	µg/L								
Chlorodibromomethane	ND	0.50	µg/L								
Chloroethane	ND	2.0	µg/L								
Chloroform	ND	2.0	µg/L								
Chloromethane	ND	2.0	µg/L								
Cyclohexane	ND	5.0	µg/L								
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L								
1,2-Dibromoethane (EDB)	ND	0.50	µg/L								
1,2-Dichlorobenzene	ND	1.0	µg/L								
1,3-Dichlorobenzene	ND	1.0	µg/L								

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B318756 - SW-846 5030B											
Blank (B318756-BLK1)				Prepared: 10/04/22 Analyzed: 10/05/22							
1,4-Dichlorobenzene	ND	1.0	µg/L								
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L								
1,1-Dichloroethane	ND	1.0	µg/L								
1,2-Dichloroethane	ND	1.0	µg/L								
1,1-Dichloroethylene	ND	1.0	µg/L								
cis-1,2-Dichloroethylene	ND	1.0	µg/L								
trans-1,2-Dichloroethylene	ND	1.0	µg/L							R-05	
1,2-Dichloropropane	ND	1.0	µg/L								
cis-1,3-Dichloropropene	ND	0.50	µg/L								
trans-1,3-Dichloropropene	ND	0.50	µg/L								
1,4-Dioxane	ND	50	µg/L								
Ethylbenzene	ND	1.0	µg/L								
2-Hexanone (MBK)	ND	10	µg/L								
Isopropylbenzene (Cumene)	ND	1.0	µg/L								
Methyl Acetate	ND	1.0	µg/L								
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
Methyl Cyclohexane	ND	1.0	µg/L								
Methylene Chloride	ND	5.0	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L								
Styrene	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	µg/L								
1,2,4-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Xylenes (total)	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*23.9*		µg/L	25.0		95.8	70-130				
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101	70-130				
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.3	70-130				
LCS (B318756-BS1)				Prepared: 10/04/22 Analyzed: 10/05/22							
Acetone	93.9	50	µg/L	100		93.9	70-160				†
Benzene	8.42	1.0	µg/L	10.0		84.2	70-130			V-05	
Bromochloromethane	8.69	1.0	µg/L	10.0		86.9	70-130				
Bromodichloromethane	10.1	0.50	µg/L	10.0		101	70-130				
Bromoform	10.3	1.0	µg/L	10.0		103	70-130				
Bromomethane	12.8	2.0	µg/L	10.0		128	40-160				†
2-Butanone (MEK)	92.2	20	µg/L	100		92.2	40-160				†
Carbon Disulfide	116	5.0	µg/L	100		116	70-130				
Carbon Tetrachloride	9.87	5.0	µg/L	10.0		98.7	70-130				
Chlorobenzene	9.90	1.0	µg/L	10.0		99.0	70-130				
Chlorodibromomethane	10.0	0.50	µg/L	10.0		100	70-130				
Chloroethane	9.74	2.0	µg/L	10.0		97.4	70-130				
Chloroform	9.12	2.0	µg/L	10.0		91.2	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B318756 - SW-846 5030B												
LCS (B318756-BS1)				Prepared: 10/04/22 Analyzed: 10/05/22								
Chloromethane	10.3	2.0	µg/L	10.0		103		40-160				†
Cyclohexane	9.93	5.0	µg/L	10.0		99.3		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	9.37	5.0	µg/L	10.0		93.7		70-130				
1,2-Dibromoethane (EDB)	9.58	0.50	µg/L	10.0		95.8		70-130				
1,2-Dichlorobenzene	9.70	1.0	µg/L	10.0		97.0		70-130				
1,3-Dichlorobenzene	9.77	1.0	µg/L	10.0		97.7		70-130				
1,4-Dichlorobenzene	9.39	1.0	µg/L	10.0		93.9		70-130				
Dichlorodifluoromethane (Freon 12)	9.23	2.0	µg/L	10.0		92.3		40-160				†
1,1-Dichloroethane	9.05	1.0	µg/L	10.0		90.5		70-130				
1,2-Dichloroethane	9.06	1.0	µg/L	10.0		90.6		70-130				
1,1-Dichloroethylene	8.89	1.0	µg/L	10.0		88.9		70-130				
cis-1,2-Dichloroethylene	8.93	1.0	µg/L	10.0		89.3		70-130				
trans-1,2-Dichloroethylene	11.7	1.0	µg/L	10.0		117		70-130			R-05	
1,2-Dichloropropane	9.25	1.0	µg/L	10.0		92.5		70-130				
cis-1,3-Dichloropropene	9.79	0.50	µg/L	10.0		97.9		70-130				
trans-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105		70-130				
1,4-Dioxane	83.0	50	µg/L	100		83.0		40-130				†
Ethylbenzene	10.3	1.0	µg/L	10.0		103		70-130				
2-Hexanone (MBK)	100	10	µg/L	100		100		70-160				†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104		70-130				
Methyl Acetate	13.6	1.0	µg/L	10.0		**136**	*	70-130			L-02, V-20	
Methyl tert-Butyl Ether (MTBE)	10.6	1.0	µg/L	10.0		106		70-130				
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104		70-130				
Methylene Chloride	8.67	5.0	µg/L	10.0		86.7		70-130				
4-Methyl-2-pentanone (MIBK)	96.6	10	µg/L	100		96.6		70-160				†
Styrene	10.5	1.0	µg/L	10.0		105		70-130				
1,1,2,2-Tetrachloroethane	9.64	0.50	µg/L	10.0		96.4		70-130				
Tetrachloroethylene	10.0	1.0	µg/L	10.0		100		70-130				
Toluene	9.23	1.0	µg/L	10.0		92.3		70-130				
1,2,3-Trichlorobenzene	9.83	5.0	µg/L	10.0		98.3		70-130				
1,2,4-Trichlorobenzene	9.77	1.0	µg/L	10.0		97.7		70-130				
1,1,1-Trichloroethane	10.1	1.0	µg/L	10.0		101		70-130				
1,1,2-Trichloroethane	9.98	1.0	µg/L	10.0		99.8		70-130				
Trichloroethylene	10.1	1.0	µg/L	10.0		101		70-130				
Trichlorofluoromethane (Freon 11)	9.75	2.0	µg/L	10.0		97.5		70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.0	1.0	µg/L	10.0		120		70-130				
Vinyl Chloride	17.5	2.0	µg/L	10.0		**175**	*	40-160			L-06, V-06	†
m+p Xylene	20.7	2.0	µg/L	20.0		103		70-130				
o-Xylene	10.2	1.0	µg/L	10.0		102		70-130				
Xylenes (total)	30.8	1.0	µg/L	30.0		103		0-200				
Surrogate: 1,2-Dichloroethane-d4	*23.6*		µg/L	25.0		94.5		70-130				
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		98.0		70-130				
Surrogate: 4-Bromofluorobenzene	*26.4*		µg/L	25.0		106		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes	
Batch B318756 - SW-846 5030B													
LCS Dup (B318756-BSD1)				Prepared: 10/04/22 Analyzed: 10/05/22									
Acetone	92.5	50	µg/L	100		92.5		70-160	1.53		25		†
Benzene	8.23	1.0	µg/L	10.0		82.3		70-130	2.28		25	V-05	
Bromochloromethane	8.56	1.0	µg/L	10.0		85.6		70-130	1.51		25		
Bromodichloromethane	9.52	0.50	µg/L	10.0		95.2		70-130	6.01		25		
Bromoform	9.83	1.0	µg/L	10.0		98.3		70-130	4.28		25		
Bromomethane	12.2	2.0	µg/L	10.0		122		40-160	4.32		25		†
2-Butanone (MEK)	91.1	20	µg/L	100		91.1		40-160	1.28		25		†
Carbon Disulfide	116	5.0	µg/L	100		116		70-130	0.198		25		
Carbon Tetrachloride	9.56	5.0	µg/L	10.0		95.6		70-130	3.19		25		
Chlorobenzene	9.97	1.0	µg/L	10.0		99.7		70-130	0.705		25		
Chlorodibromomethane	10.0	0.50	µg/L	10.0		100		70-130	0.200		25		
Chloroethane	9.88	2.0	µg/L	10.0		98.8		70-130	1.43		25		
Chloroform	9.08	2.0	µg/L	10.0		90.8		70-130	0.440		25		
Chloromethane	10.8	2.0	µg/L	10.0		108		40-160	3.98		25		†
Cyclohexane	9.76	5.0	µg/L	10.0		97.6		70-130	1.73		25		
1,2-Dibromo-3-chloropropane (DBCP)	9.28	5.0	µg/L	10.0		92.8		70-130	0.965		25		
1,2-Dibromoethane (EDB)	9.47	0.50	µg/L	10.0		94.7		70-130	1.15		25		
1,2-Dichlorobenzene	9.70	1.0	µg/L	10.0		97.0		70-130	0.00		25		
1,3-Dichlorobenzene	9.77	1.0	µg/L	10.0		97.7		70-130	0.00		25		
1,4-Dichlorobenzene	9.39	1.0	µg/L	10.0		93.9		70-130	0.00		25		
Dichlorodifluoromethane (Freon 12)	9.28	2.0	µg/L	10.0		92.8		40-160	0.540		25		†
1,1-Dichloroethane	8.75	1.0	µg/L	10.0		87.5		70-130	3.37		25		
1,2-Dichloroethane	8.75	1.0	µg/L	10.0		87.5		70-130	3.48		25		
1,1-Dichloroethylene	8.60	1.0	µg/L	10.0		86.0		70-130	3.32		25		
cis-1,2-Dichloroethylene	8.95	1.0	µg/L	10.0		89.5		70-130	0.224		25		
trans-1,2-Dichloroethylene	8.20	1.0	µg/L	10.0		82.0		70-130	**35.0**	*	25	R-05	
1,2-Dichloropropane	9.12	1.0	µg/L	10.0		91.2		70-130	1.42		25		
cis-1,3-Dichloropropene	9.64	0.50	µg/L	10.0		96.4		70-130	1.54		25		
trans-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101		70-130	3.80		25		
1,4-Dioxane	93.6	50	µg/L	100		93.6		40-130	12.0		50		† ‡
Ethylbenzene	10.3	1.0	µg/L	10.0		103		70-130	0.0972		25		
2-Hexanone (MBK)	95.4	10	µg/L	100		95.4		70-160	5.07		25		†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102		70-130	2.33		25		
Methyl Acetate	13.4	1.0	µg/L	10.0		**134**	*	70-130	1.85		25	L-02, V-20	
Methyl tert-Butyl Ether (MTBE)	10.1	1.0	µg/L	10.0		101		70-130	5.12		25		
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106		70-130	1.91		25		
Methylene Chloride	8.47	5.0	µg/L	10.0		84.7		70-130	2.33		25		
4-Methyl-2-pentanone (MIBK)	93.1	10	µg/L	100		93.1		70-160	3.72		25		†
Styrene	10.5	1.0	µg/L	10.0		105		70-130	0.571		25		
1,1,2,2-Tetrachloroethane	9.30	0.50	µg/L	10.0		93.0		70-130	3.59		25		
Tetrachloroethylene	10.0	1.0	µg/L	10.0		100		70-130	0.199		25		
Toluene	9.08	1.0	µg/L	10.0		90.8		70-130	1.64		25		
1,2,3-Trichlorobenzene	9.59	5.0	µg/L	10.0		95.9		70-130	2.47		25		
1,2,4-Trichlorobenzene	9.54	1.0	µg/L	10.0		95.4		70-130	2.38		25		
1,1,1-Trichloroethane	9.63	1.0	µg/L	10.0		96.3		70-130	4.86		25		
1,1,2-Trichloroethane	9.68	1.0	µg/L	10.0		96.8		70-130	3.05		25		
Trichloroethylene	9.53	1.0	µg/L	10.0		95.3		70-130	6.10		25		
Trichlorofluoromethane (Freon 11)	9.58	2.0	µg/L	10.0		95.8		70-130	1.76		25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.1	1.0	µg/L	10.0		121		70-130	0.748		25		
Vinyl Chloride	17.3	2.0	µg/L	10.0		**173**	*	40-160	1.55		25	L-06, V-06	†
m+p Xylene	20.5	2.0	µg/L	20.0		102		70-130	0.777		25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318756 - SW-846 5030B										
LCS Dup (B318756-BSD1)				Prepared: 10/04/22 Analyzed: 10/05/22						
o-Xylene	10.1	1.0	µg/L	10.0		101	70-130	0.295	25	
Xylenes (total)	30.6	1.0	µg/L	30.0		102	0-200	0.618		
Surrogate: 1,2-Dichloroethane-d4	*23.5*		µg/L	25.0		94.0	70-130			
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	*25.9*		µg/L	25.0		104	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
E	Reported result is estimated. Value reported over verified calibration range.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-06	Laboratory fortified blank/laboratory control sample recovery and/or duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-23	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
RL-11	Elevated reporting limit due to high concentration of target compounds.
RL-12	Elevated reporting limit due to matrix interference.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

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

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022

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Phone: 716-853-1220
Project Name: Staubs Textile
Project Location: Rochester NY
Project Number: EE1705007.0004
Project Manager: Preetam Kuchikulla
Pace Analytical Quote Name/Number 142737
Invoice Recipient: Amanda.Jacobs@wsp.com
Sampled By: C. Porreca, L. Roedl

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	~~Beginning Date~~/Time	~~Ending Date~~/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs-8260C TCL									# of Containers
1	TB-2022					GW		X									1
2	MW-06-2022	1045	9-28-22					X									3
3	MW-09-2022	1220						X									3
4	MW-01B-2022	1300						X									3
5	MW-4A-2022	1315						X									3
6	MW-01-2022	1535						X									3
7	MW-07-2022	1105	9-29-22					X									3
8	MW-07-2022Q	1107						X									3
9	MW-08D-2022	1120						X		+ MS/MSD							9
10	SB-50-2022	1250						X									3

Comments: NYSDEC Call out # 142737

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time: 9-30-22/1600
Received by: (signature)	Date/Time: 10/1 954
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☐ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other: NYSDEC CAT B REPORT

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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Pace Analytical®

Phone: 612-607-6400
Fax: 612-607-6344

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

221003

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: WSP USA
Address: 40 La Riviere Dr, Suite 320, Buffalo, NY
Phone: 716-~~362~~-853-1220
Project Name: Staubs Textile
Project Location: Rochester, NY
Project Number: EE1705007.0004
Project Manager: Preetam Kuchikulla
Pace Analytical Quote Name/Number: 142737
Invoice Recipient: Amanda.Jacobs@wsp.com
Sampled By: C. Porreca, L. Roedl

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Standard

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: Eridania.Marte@wsp.com
~~Fax To #:~~ Amanda.Jacobs@wsp.com

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	~~Beginning~~ Date/Time	~~Ending~~ Date/Time	Composite	Grab	Matrix Code	Conc Code	VOCs 8260C TCL									# of Containers
11	MW-08-2022	1415	9-29-2022			GW		X									3
12	MW-05-2022	1525	↓					X									3
13	PZ-06-2022	1550						X									3
14	MW-10D-2022	1005	9-30-2022					X									3
15	OU2-PZ-04-2022	1105						X									2
16	MW-09D-2022	1140						X									3
17	RB-09302022	1200						X									2

Comments: NYSDEC Call out #142737

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

Bottles

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define) _____

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) _____

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) _____

Relinquished by: (signature)	Date/Time: 9-30-22 / 1600
Received by: (signature)	Date/Time: 9/30 [illegible]
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☐ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other: NYSDEC CAT B REPORT

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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[redacted]

FedEx® Tracking

DELIVERED

Saturday

10/1/2022 at 9:54 am

Signed for by: J.RIOS

Obtain Proof of delivery

DELIVERY STATUS

Delivered

Get Status Updates

TRACKING ID

278615668071

FROM
EAST LONGMEADOW, MA US

Label Created
9/30/2022 3:41 PM

PACKAGE RECEIVED BY FEDEX
CHEEKTOWAGA, NY
9/30/2022 4:42 PM

IN TRANSIT
WINDSOR LOCKS, CT
10/1/2022 8:41 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
10/1/2022 8:41 AM

DELIVERED
EAST LONGMEADOW, MA US

DELIVERED
10/1/2022 at 9:54 AM

View travel history

Manage Delivery

Shipment facts

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.pacelabs.com

Pace PEOPLE ADVANCING SCIENCE

Doc# 277 Rev 6 July 2022

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

Client WSP USA

Received By ON Date 10/01/22 Time 9:54

How were the samples received? In Cooler ____ No Cooler ____ On Ice ____ No Ice ____ Direct From Sample ____ Ambient ____ Melted Ice ____

Were samples within Tempurature? Within 2-6°C T By Gun # 5 Actual Temp - 3.33 By Blank # ____ Actual Temp - ____

Was Custody Seal In tact? N/A Were Samples Tampered with? N/A

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client? T Analysis? T Sampler Name? T Project? T ID's? T Collection Dates/Times? T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? ____

Are there Rushes? F Who was notified? ____

Are there Short Holds? F Who was notified? ____

Samples are received within holding time? T Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T splitting samples requirec F

Were trip blanks receive T On COC? T

Do All Samples Have the proper pH? N/A Acid N/A Base N/A

Vials	#	Containers:	#		#	#	
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	53	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#	#	
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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A Pace Analytical® Laboratory

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

October 27, 2022

Preetam Kuchikulla
NYDEC_WSP - Buffalo, NY
50 Lakefront Boulevard #111
Buffalo, NY 14202

Project Location: Rochester, NY
Client Job Number:
Project Number: 828160
Laboratory Work Order Number: 22J2069

Enclosed are results of analyses for samples as received by the laboratory on October 13, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

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

NYDEC_WSP - Buffalo, NY
50 Lakefront Boulevard #111
Buffalo, NY 14202
ATTN: Preetam Kuchikulla

REPORT DATE: 10/27/2022

PURCHASE ORDER NUMBER: 142737

PROJECT NUMBER: 828160

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22J2069

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

PROJECT LOCATION: Rochester, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
OU2-PZ-02-2022	22J2069-01	Ground Water		SW-846 8260D	
OU2-PZ-03-2022	22J2069-02	Ground Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

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

SW-846 8260D

Qualifications:

L-07

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

Analyte & Samples(s) Qualified:

Carbon Disulfide
B320042-BS1

L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Bromomethane
B320042-BS1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Bromomethane
22J2069-01[OU2-PZ-02-2022], 22J2069-02[OU2-PZ-03-2022], B320042-BLK1, B320042-BS1, B320042-BSD1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22J2069-01[OU2-PZ-02-2022]

V-05

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

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DB
22J2069-01[OU2-PZ-02-2022], 22J2069-02[OU2-PZ-03-2022], B320042-BLK1, B320042-BS1, B320042-BSD1, S078025-CCV1

Bromomethane
22J2069-01[OU2-PZ-02-2022], 22J2069-02[OU2-PZ-03-2022], B320042-BLK1, B320042-BS1, B320042-BSD1, S078025-CCV1

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

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

con-test® A Pace Analytical® Laboratory

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J2069

Date Received: 10/13/2022

Field Sample #: OU2-PZ-02-2022
Sampled: 10/12/2022 14:04

Sample ID: 22J2069-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	4.1	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Benzene	2.3	2.0	0.40	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Bromochloromethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Bromodichloromethane	ND	1.0	0.36	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Bromoform	ND	2.0	0.77	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Bromomethane	ND	4.0	3.1	µg/L	2	V-05, R-05	SW-846 8260D	10/14/22	10/14/22 23:40	EEH
2-Butanone (MEK)	ND	40	3.2	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Carbon Disulfide	ND	10	2.9	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Chlorobenzene	ND	2.0	0.21	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Chlorodibromomethane	ND	1.0	0.44	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Chloroethane	ND	4.0	0.64	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Chloroform	3.8	4.0	0.34	µg/L	2	J	SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Cyclohexane	73	10	3.5	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.6	µg/L	2	V-05	SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2-Dibromoethane (EDB)	ND	1.0	0.34	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,3-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.38	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,1-Dichloroethane	ND	2.0	0.28	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2-Dichloroethane	ND	2.0	0.62	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
cis-1,2-Dichloroethylene	ND	2.0	0.29	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2-Dichloropropane	ND	2.0	0.36	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
cis-1,3-Dichloropropene	ND	1.0	0.32	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
trans-1,3-Dichloropropene	ND	1.0	0.34	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,4-Dioxane	ND	100	41	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Ethylbenzene	16	2.0	0.43	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
2-Hexanone (MBK)	ND	20	2.2	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Isopropylbenzene (Cumene)	76	2.0	0.22	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Methyl Acetate	ND	2.0	0.91	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Methyl Cyclohexane	87	2.0	0.49	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Methylene Chloride	ND	10	0.47	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Styrene	ND	2.0	0.21	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Tetrachloroethylene	ND	2.0	0.37	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Toluene	1.5	2.0	0.45	µg/L	2	J	SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2,3-Trichlorobenzene	ND	10	0.61	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2,4-Trichlorobenzene	ND	2.0	0.50	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH

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

Project Location: Rochester, NY | Sample Description: | Work Order: 22J2069

Date Received: 10/13/2022

Field Sample #: OU2-PZ-02-2022 | Sampled: 10/12/2022 14:04

Sample ID: 22J2069-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	2.0	0.34	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,1,2-Trichloroethane	ND	2.0	0.37	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Trichloroethylene	ND	2.0	0.38	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	0.35	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.45	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Vinyl Chloride	ND	4.0	0.42	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Xylenes (total)	3.6	2.0	2.0	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.0	70-130		10/14/22 23:40
Toluene-d8	97.4	70-130		10/14/22 23:40
4-Bromofluorobenzene	98.2	70-130		10/14/22 23:40

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J2069

Date Received: 10/13/2022

Field Sample #: OU2-PZ-03-2022
Sampled: 10/12/2022 14:10

Sample ID: 22J2069-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Bromomethane	ND	2.0	1.5	µg/L	1	R-05, V-05	SW-846 8260D	10/14/22	10/14/22 23:14	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-05	SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH

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Project Location: Rochester, NY
Sample Description:
Work Order: 22J2069

Date Received: 10/13/2022

Field Sample #: OU2-PZ-03-2022
Sampled: 10/12/2022 14:10

Sample ID: 22J2069-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.0	70-130		10/14/22 23:14
Toluene-d8	95.4	70-130		10/14/22 23:14
4-Bromofluorobenzene	97.5	70-130		10/14/22 23:14

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Sample Extraction Data

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J2069-01 [OU2-PZ-02-2022]	B320042	2.5	5.00	10/14/22
22J2069-02 [OU2-PZ-03-2022]	B320042	5	5.00	10/14/22

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B320042 - SW-846 5030B										
Blank (B320042-BLK1)				Prepared & Analyzed: 10/14/22						
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							R-05, V-05
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B320042 - SW-846 5030B												
Blank (B320042-BLK1)				Prepared & Analyzed: 10/14/22								
o-Xylene	ND	1.0	µg/L									
Xylenes (total)	ND	1.0	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*23.6*		µg/L	25.0		94.4		70-130				
Surrogate: Toluene-d8	*24.0*		µg/L	25.0		95.8		70-130				
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.8		70-130				
LCS (B320042-BS1)				Prepared & Analyzed: 10/14/22								
Acetone	183	50	µg/L	200		91.6		70-160				†
Benzene	18.9	1.0	µg/L	20.0		94.6		70-130				
Bromochloromethane	21.3	1.0	µg/L	20.0		106		70-130				
Bromodichloromethane	19.6	0.50	µg/L	20.0		98.2		70-130				
Bromoform	21.6	1.0	µg/L	20.0		108		70-130				
Bromomethane	5.90	2.0	µg/L	20.0		**29.5**	*	40-160			L-07A, R-05, V-05	†
2-Butanone (MEK)	188	20	µg/L	200		93.8		40-160				†
Carbon Disulfide	13.6	5.0	µg/L	20.0		**67.8**	*	70-130			L-07	
Carbon Tetrachloride	17.0	5.0	µg/L	20.0		85.2		70-130				
Chlorobenzene	23.2	1.0	µg/L	20.0		116		70-130				
Chlorodibromomethane	20.3	0.50	µg/L	20.0		101		70-130				
Chloroethane	14.9	2.0	µg/L	20.0		74.6		70-130				
Chloroform	18.4	2.0	µg/L	20.0		92.0		70-130				
Chloromethane	10.5	2.0	µg/L	20.0		52.3		40-160				†
Cyclohexane	14.7	5.0	µg/L	20.0		73.4		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	19.1	5.0	µg/L	20.0		95.4		70-130			V-05	
1,2-Dibromoethane (EDB)	21.2	0.50	µg/L	20.0		106		70-130				
1,2-Dichlorobenzene	22.2	1.0	µg/L	20.0		111		70-130				
1,3-Dichlorobenzene	21.3	1.0	µg/L	20.0		107		70-130				
1,4-Dichlorobenzene	21.5	1.0	µg/L	20.0		107		70-130				
Dichlorodifluoromethane (Freon 12)	9.38	2.0	µg/L	20.0		46.9		40-160				†
1,1-Dichloroethane	19.6	1.0	µg/L	20.0		98.2		70-130				
1,2-Dichloroethane	19.6	1.0	µg/L	20.0		98.0		70-130				
1,1-Dichloroethylene	16.5	1.0	µg/L	20.0		82.7		70-130				
cis-1,2-Dichloroethylene	19.2	1.0	µg/L	20.0		96.2		70-130				
trans-1,2-Dichloroethylene	17.9	1.0	µg/L	20.0		89.3		70-130				
1,2-Dichloropropane	20.4	1.0	µg/L	20.0		102		70-130				
cis-1,3-Dichloropropene	19.4	0.50	µg/L	20.0		97.0		70-130				
trans-1,3-Dichloropropene	21.0	0.50	µg/L	20.0		105		70-130				
1,4-Dioxane	163	50	µg/L	200		81.3		40-130				†
Ethylbenzene	22.9	1.0	µg/L	20.0		114		70-130				
2-Hexanone (MBK)	192	10	µg/L	200		96.0		70-160				†
Isopropylbenzene (Cumene)	22.5	1.0	µg/L	20.0		112		70-130				
Methyl Acetate	16.9	1.0	µg/L	20.0		84.4		70-130				
Methyl tert-Butyl Ether (MTBE)	16.6	1.0	µg/L	20.0		82.9		70-130				
Methyl Cyclohexane	17.1	1.0	µg/L	20.0		85.7		70-130				
Methylene Chloride	18.8	5.0	µg/L	20.0		94.0		70-130				
4-Methyl-2-pentanone (MIBK)	194	10	µg/L	200		97.2		70-160				†
Styrene	22.8	1.0	µg/L	20.0		114		70-130				
1,1,2,2-Tetrachloroethane	22.4	0.50	µg/L	20.0		112		70-130				
Tetrachloroethylene	21.7	1.0	µg/L	20.0		108		70-130				
Toluene	20.6	1.0	µg/L	20.0		103		70-130				
1,2,3-Trichlorobenzene	21.8	5.0	µg/L	20.0		109		70-130				
1,2,4-Trichlorobenzene	22.3	1.0	µg/L	20.0		111		70-130				
1,1,1-Trichloroethane	18.7	1.0	µg/L	20.0		93.6		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B320042 - SW-846 5030B											
LCS (B320042-BS1)				Prepared & Analyzed: 10/14/22							
1,1,2-Trichloroethane	21.6	1.0	µg/L	20.0		108	70-130				
Trichloroethylene	19.0	1.0	µg/L	20.0		95.0	70-130				
Trichlorofluoromethane (Freon 11)	16.5	2.0	µg/L	20.0		82.7	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	16.9	1.0	µg/L	20.0		84.7	70-130				
Vinyl Chloride	12.9	2.0	µg/L	20.0		64.6	40-160				†
m+p Xylene	45.2	2.0	µg/L	40.0		113	70-130				
o-Xylene	22.8	1.0	µg/L	20.0		114	70-130				
Xylenes (total)	68.0	1.0	µg/L	60.0		113	0-200				
Surrogate: 1,2-Dichloroethane-d4	*22.7*		µg/L	25.0		90.7	70-130				
Surrogate: Toluene-d8	*24.0*		µg/L	25.0		96.1	70-130				
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.9	70-130				
LCS Dup (B320042-BSD1)				Prepared & Analyzed: 10/14/22							
Acetone	183	50	µg/L	200		91.5	70-160	0.0874	25		†
Benzene	20.1	1.0	µg/L	20.0		100	70-130	5.90	25		
Bromochloromethane	21.9	1.0	µg/L	20.0		110	70-130	2.87	25		
Bromodichloromethane	21.3	0.50	µg/L	20.0		107	70-130	8.35	25		
Bromoform	22.2	1.0	µg/L	20.0		111	70-130	2.51	25		
Bromomethane	9.41	2.0	µg/L	20.0		47.0	40-160	**45.9** *	25	R-05, V-05	†
2-Butanone (MEK)	189	20	µg/L	200		94.7	40-160	0.918	25		†
Carbon Disulfide	14.9	5.0	µg/L	20.0		74.6	70-130	9.62	25		
Carbon Tetrachloride	19.2	5.0	µg/L	20.0		96.0	70-130	12.0	25		
Chlorobenzene	24.6	1.0	µg/L	20.0		123	70-130	5.74	25		
Chlorodibromomethane	21.1	0.50	µg/L	20.0		105	70-130	4.01	25		
Chloroethane	16.4	2.0	µg/L	20.0		82.0	70-130	9.38	25		
Chloroform	19.6	2.0	µg/L	20.0		98.0	70-130	6.37	25		
Chloromethane	11.4	2.0	µg/L	20.0		56.9	40-160	8.42	25		†
Cyclohexane	17.0	5.0	µg/L	20.0		85.2	70-130	14.8	25		
1,2-Dibromo-3-chloropropane (DBCP)	18.9	5.0	µg/L	20.0		94.3	70-130	1.11	25	V-05	
1,2-Dibromoethane (EDB)	22.0	0.50	µg/L	20.0		110	70-130	3.43	25		
1,2-Dichlorobenzene	23.2	1.0	µg/L	20.0		116	70-130	4.46	25		
1,3-Dichlorobenzene	22.8	1.0	µg/L	20.0		114	70-130	6.54	25		
1,4-Dichlorobenzene	22.7	1.0	µg/L	20.0		114	70-130	5.61	25		
Dichlorodifluoromethane (Freon 12)	11.2	2.0	µg/L	20.0		55.8	40-160	17.4	25		†
1,1-Dichloroethane	20.7	1.0	µg/L	20.0		103	70-130	5.11	25		
1,2-Dichloroethane	20.8	1.0	µg/L	20.0		104	70-130	6.23	25		
1,1-Dichloroethylene	17.9	1.0	µg/L	20.0		89.6	70-130	7.95	25		
cis-1,2-Dichloroethylene	20.4	1.0	µg/L	20.0		102	70-130	5.61	25		
trans-1,2-Dichloroethylene	19.2	1.0	µg/L	20.0		96.0	70-130	7.18	25		
1,2-Dichloropropane	21.2	1.0	µg/L	20.0		106	70-130	3.70	25		
cis-1,3-Dichloropropene	20.4	0.50	µg/L	20.0		102	70-130	5.07	25		
trans-1,3-Dichloropropene	22.0	0.50	µg/L	20.0		110	70-130	4.69	25		
1,4-Dioxane	173	50	µg/L	200		86.4	40-130	6.10	50		† ‡
Ethylbenzene	25.0	1.0	µg/L	20.0		125	70-130	8.82	25		
2-Hexanone (MBK)	199	10	µg/L	200		99.5	70-160	3.58	25		†
Isopropylbenzene (Cumene)	24.6	1.0	µg/L	20.0		123	70-130	9.08	25		
Methyl Acetate	16.5	1.0	µg/L	20.0		82.3	70-130	2.46	25		
Methyl tert-Butyl Ether (MTBE)	17.0	1.0	µg/L	20.0		85.0	70-130	2.50	25		
Methyl Cyclohexane	20.6	1.0	µg/L	20.0		103	70-130	18.1	25		
Methylene Chloride	20.1	5.0	µg/L	20.0		101	70-130	6.68	25		
4-Methyl-2-pentanone (MIBK)	203	10	µg/L	200		101	70-160	4.28	25		†
Styrene	24.2	1.0	µg/L	20.0		121	70-130	5.83	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B320042 - SW-846 5030B										
LCS Dup (B320042-BSD1)				Prepared & Analyzed: 10/14/22						
1,1,2,2-Tetrachloroethane	23.6	0.50	µg/L	20.0		118	70-130	5.08	25	
Tetrachloroethylene	24.2	1.0	µg/L	20.0		121	70-130	11.2	25	
Toluene	22.5	1.0	µg/L	20.0		112	70-130	8.53	25	
1,2,3-Trichlorobenzene	22.4	5.0	µg/L	20.0		112	70-130	2.26	25	
1,2,4-Trichlorobenzene	23.1	1.0	µg/L	20.0		116	70-130	3.61	25	
1,1,1-Trichloroethane	20.3	1.0	µg/L	20.0		102	70-130	8.24	25	
1,1,2-Trichloroethane	22.4	1.0	µg/L	20.0		112	70-130	3.55	25	
Trichloroethylene	20.9	1.0	µg/L	20.0		105	70-130	9.71	25	
Trichlorofluoromethane (Freon 11)	18.8	2.0	µg/L	20.0		94.1	70-130	12.9	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	20.4	1.0	µg/L	20.0		102	70-130	18.3	25	
Vinyl Chloride	14.3	2.0	µg/L	20.0		71.6	40-160	10.3	25	†
m+p Xylene	49.6	2.0	µg/L	40.0		124	70-130	9.30	25	
o-Xylene	24.8	1.0	µg/L	20.0		124	70-130	8.15	25	
Xylenes (total)	74.4	1.0	µg/L	60.0		124	0-200	8.92		
Surrogate: 1,2-Dichloroethane-d4	*22.3*		µg/L	25.0		89.1	70-130			
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.3	70-130			
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		99.9	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

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

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022

Pace Analytical®

Phone: 612-607-6400
Fax: 612-607-6344

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CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 1

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

2252004

Company Name: WSP/ENE
Address: 40 La Riviere Dr., Ste. 320 Buffalo, NY 14202
Phone: 716-982-6816

Project Name:
Project Location: Rochester, NY
Project Number: EE170S007.0004 Task 04
Project Manager: Amanda Jacobs
Pace Analytical Quote Name/Number
Invoice Recipient: Amanda Jacobs
Sampled By: Erik Reinert

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☑
Email To: amanda.jacobs@wsp.com
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs 8260	# of Containers / [2] Preservation Code / [3] Container Code
1	OU2-PZ-02-2022	10/12/22	1404		✓	GW		3 H V	
2	OU2-PZ-03-2022	10/12/22	1410		✓	GW		3 H V	

EK

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 10/12/22 1530
Received by: (signature) 2.0	Date/Time: 10/13 9:30
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☑ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

Project Entity
☑ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

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FedEx® Tracking

DELIVERED

Thursday

10/13/2022 at 9:30 am

Signed for by: R.PETRAITIS

Obtain Proof of delivery

DELIVERY STATUS

Delivered

Get Status Updates

TRACKING ID

791299203981

FROM
BUFFALO, NY US

Label Created
9/27/2022 10:12 AM

PACKAGE RECEIVED BY FEDEX
ROCHESTER, NY
10/12/2022 4:41 PM

IN TRANSIT
WINDSOR LOCKS, CT
10/13/2022 8:19 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
10/13/2022 8:26 AM

DELIVERED
East Longmeadow, MA US

DELIVERED
10/13/2022 at 9:30 AM

View travel history

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Shipment facts

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.pacelabs.com

Pace PEOPLE ADVANCING SCIENCE

Doc# 277 Rev 6 July 2022

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

Client WSP
Received By LA Date 10/13/22 Time 930

How were the samples received? In Cooler T No Cooler ___ On Ice T No Ice ___
Direct From Sample F Ambient ___ Melted Ice ___

Were samples within Tempurature? Within 2-6°C T By Gun # 5 Actual Temp - 2.0 By Blank # ___ Actual Temp -

Was Custody Seal In tact? N/A Were Samples Tampered with? F

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client? T Analysis? T Sampler Name? T Project? T ID's? T Collection Dates/Times? T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? ___

Are there Rushes? F Who was notified? ___

Are there Short Holds? F Who was notified? ___

Samples are received within holding time? T Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? F

Proper Media/Containers Used? T splitting samples required? F

Were trip blanks received? F On COC? F

Do All Samples Have the proper pH? N/A Acid Base

Vials	#	Containers:	#		#	#	
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	6	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#	#	
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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October 28, 2022

Preetam Kuchikulla
NYDEC_WSP - Buffalo, NY
50 Lakefront Boulevard #111
Buffalo, NY 14202

Project Location: Rochester, NY
Client Job Number:
Project Number: 828160
Laboratory Work Order Number: 22J2069

Enclosed are results of analyses for samples as received by the laboratory on October 13, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

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

NYDEC_WSP - Buffalo, NY
50 Lakefront Boulevard #111
Buffalo, NY 14202
ATTN: Preetam Kuchikulla

REPORT DATE: 10/28/2022

PURCHASE ORDER NUMBER: 142737

PROJECT NUMBER: 828160

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22J2069

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

PROJECT LOCATION: Rochester, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
OU2-PZ-02-2022	22J2069-01	Ground Water		SW-846 8260D	
OU2-PZ-03-2022	22J2069-02	Ground Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

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

SW-846 8260D

Qualifications:

L-07

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

Analyte & Samples(s) Qualified:

Carbon Disulfide
B320042-BS1

L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Bromomethane
B320042-BS1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Bromomethane
22J2069-01[OU2-PZ-02-2022], 22J2069-02[OU2-PZ-03-2022], B320042-BLK1, B320042-BS1, B320042-BSD1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22J2069-01[OU2-PZ-02-2022]

V-05

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

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DB
22J2069-01[OU2-PZ-02-2022], 22J2069-02[OU2-PZ-03-2022], B320042-BLK1, B320042-BS1, B320042-BSD1, S078025-CCV1

Bromomethane
22J2069-01[OU2-PZ-02-2022], 22J2069-02[OU2-PZ-03-2022], B320042-BLK1, B320042-BS1, B320042-BSD1, S078025-CCV1

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

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

con-test® A Pace Analytical® Laboratory

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

Project Location: Rochester, NY | Sample Description: | Work Order: 22J2069

Date Received: 10/13/2022

Field Sample #: OU2-PZ-02-2022 | Sampled: 10/12/2022 14:04

Sample ID: 22J2069-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	4.1	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Benzene	2.3	2.0	0.40	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Bromochloromethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Bromodichloromethane	ND	1.0	0.36	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Bromoform	ND	2.0	0.77	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Bromomethane	ND	4.0	3.1	µg/L	2	V-05, R-05	SW-846 8260D	10/14/22	10/14/22 23:40	EEH
2-Butanone (MEK)	ND	40	3.2	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Carbon Disulfide	ND	10	2.9	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Chlorobenzene	ND	2.0	0.21	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Chlorodibromomethane	ND	1.0	0.44	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Chloroethane	ND	4.0	0.64	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Chloroform	3.8	4.0	0.34	µg/L	2	J	SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Cyclohexane	73	10	3.5	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.6	µg/L	2	V-05	SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2-Dibromoethane (EDB)	ND	1.0	0.34	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,3-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.38	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,1-Dichloroethane	ND	2.0	0.28	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2-Dichloroethane	ND	2.0	0.62	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
cis-1,2-Dichloroethylene	ND	2.0	0.29	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2-Dichloropropane	ND	2.0	0.36	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
cis-1,3-Dichloropropene	ND	1.0	0.32	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
trans-1,3-Dichloropropene	ND	1.0	0.34	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,4-Dioxane	ND	100	41	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Ethylbenzene	16	2.0	0.43	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
2-Hexanone (MBK)	ND	20	2.2	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Isopropylbenzene (Cumene)	76	2.0	0.22	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Methyl Acetate	ND	2.0	0.91	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Methyl Cyclohexane	87	2.0	0.49	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Methylene Chloride	ND	10	0.47	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Styrene	ND	2.0	0.21	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Tetrachloroethylene	ND	2.0	0.37	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Toluene	1.5	2.0	0.45	µg/L	2	J	SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2,3-Trichlorobenzene	ND	10	0.61	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2,4-Trichlorobenzene	ND	2.0	0.50	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH

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

Project Location: Rochester, NY | Sample Description: | Work Order: 22J2069

Date Received: 10/13/2022

Field Sample #: OU2-PZ-02-2022 | Sampled: 10/12/2022 14:04

Sample ID: 22J2069-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	2.0	0.34	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,1,2-Trichloroethane	ND	2.0	0.37	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Trichloroethylene	ND	2.0	0.38	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	0.35	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.45	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Vinyl Chloride	ND	4.0	0.42	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Xylenes (total)	3.6	2.0	2.0	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.0	70-130		10/14/22 23:40
Toluene-d8	97.4	70-130		10/14/22 23:40
4-Bromofluorobenzene	98.2	70-130		10/14/22 23:40

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J2069

Date Received: 10/13/2022

Field Sample #: OU2-PZ-03-2022
Sampled: 10/12/2022 14:10

Sample ID: 22J2069-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Bromomethane	ND	2.0	1.5	µg/L	1	R-05, V-05	SW-846 8260D	10/14/22	10/14/22 23:14	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-05	SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH

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

Project Location: Rochester, NY | Sample Description: | Work Order: 22J2069

Date Received: 10/13/2022

Field Sample #: OU2-PZ-03-2022 | Sampled: 10/12/2022 14:10

Sample ID: 22J2069-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.0	70-130		10/14/22 23:14
Toluene-d8	95.4	70-130		10/14/22 23:14
4-Bromofluorobenzene	97.5	70-130		10/14/22 23:14

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Sample Extraction Data

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J2069-01 [OU2-PZ-02-2022]	B320042	2.5	5.00	10/14/22
22J2069-02 [OU2-PZ-03-2022]	B320042	5	5.00	10/14/22

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B320042 - SW-846 5030B										
Blank (B320042-BLK1)				Prepared & Analyzed: 10/14/22						
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							R-05, V-05
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B320042 - SW-846 5030B												
Blank (B320042-BLK1)				Prepared & Analyzed: 10/14/22								
o-Xylene	ND	1.0	µg/L									
Xylenes (total)	ND	1.0	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*23.6*		µg/L	25.0		94.4		70-130				
Surrogate: Toluene-d8	*24.0*		µg/L	25.0		95.8		70-130				
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.8		70-130				
LCS (B320042-BS1)				Prepared & Analyzed: 10/14/22								
Acetone	183	50	µg/L	200		91.6		70-160				†
Benzene	18.9	1.0	µg/L	20.0		94.6		70-130				
Bromochloromethane	21.3	1.0	µg/L	20.0		106		70-130				
Bromodichloromethane	19.6	0.50	µg/L	20.0		98.2		70-130				
Bromoform	21.6	1.0	µg/L	20.0		108		70-130				
Bromomethane	5.90	2.0	µg/L	20.0		**29.5**	*	40-160			L-07A, R-05, V-05	†
2-Butanone (MEK)	188	20	µg/L	200		93.8		40-160				†
Carbon Disulfide	13.6	5.0	µg/L	20.0		**67.8**	*	70-130			L-07	
Carbon Tetrachloride	17.0	5.0	µg/L	20.0		85.2		70-130				
Chlorobenzene	23.2	1.0	µg/L	20.0		116		70-130				
Chlorodibromomethane	20.3	0.50	µg/L	20.0		101		70-130				
Chloroethane	14.9	2.0	µg/L	20.0		74.6		70-130				
Chloroform	18.4	2.0	µg/L	20.0		92.0		70-130				
Chloromethane	10.5	2.0	µg/L	20.0		52.3		40-160				†
Cyclohexane	14.7	5.0	µg/L	20.0		73.4		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	19.1	5.0	µg/L	20.0		95.4		70-130			V-05	
1,2-Dibromoethane (EDB)	21.2	0.50	µg/L	20.0		106		70-130				
1,2-Dichlorobenzene	22.2	1.0	µg/L	20.0		111		70-130				
1,3-Dichlorobenzene	21.3	1.0	µg/L	20.0		107		70-130				
1,4-Dichlorobenzene	21.5	1.0	µg/L	20.0		107		70-130				
Dichlorodifluoromethane (Freon 12)	9.38	2.0	µg/L	20.0		46.9		40-160				†
1,1-Dichloroethane	19.6	1.0	µg/L	20.0		98.2		70-130				
1,2-Dichloroethane	19.6	1.0	µg/L	20.0		98.0		70-130				
1,1-Dichloroethylene	16.5	1.0	µg/L	20.0		82.7		70-130				
cis-1,2-Dichloroethylene	19.2	1.0	µg/L	20.0		96.2		70-130				
trans-1,2-Dichloroethylene	17.9	1.0	µg/L	20.0		89.3		70-130				
1,2-Dichloropropane	20.4	1.0	µg/L	20.0		102		70-130				
cis-1,3-Dichloropropene	19.4	0.50	µg/L	20.0		97.0		70-130				
trans-1,3-Dichloropropene	21.0	0.50	µg/L	20.0		105		70-130				
1,4-Dioxane	163	50	µg/L	200		81.3		40-130				†
Ethylbenzene	22.9	1.0	µg/L	20.0		114		70-130				
2-Hexanone (MBK)	192	10	µg/L	200		96.0		70-160				†
Isopropylbenzene (Cumene)	22.5	1.0	µg/L	20.0		112		70-130				
Methyl Acetate	16.9	1.0	µg/L	20.0		84.4		70-130				
Methyl tert-Butyl Ether (MTBE)	16.6	1.0	µg/L	20.0		82.9		70-130				
Methyl Cyclohexane	17.1	1.0	µg/L	20.0		85.7		70-130				
Methylene Chloride	18.8	5.0	µg/L	20.0		94.0		70-130				
4-Methyl-2-pentanone (MIBK)	194	10	µg/L	200		97.2		70-160				†
Styrene	22.8	1.0	µg/L	20.0		114		70-130				
1,1,2,2-Tetrachloroethane	22.4	0.50	µg/L	20.0		112		70-130				
Tetrachloroethylene	21.7	1.0	µg/L	20.0		108		70-130				
Toluene	20.6	1.0	µg/L	20.0		103		70-130				
1,2,3-Trichlorobenzene	21.8	5.0	µg/L	20.0		109		70-130				
1,2,4-Trichlorobenzene	22.3	1.0	µg/L	20.0		111		70-130				
1,1,1-Trichloroethane	18.7	1.0	µg/L	20.0		93.6		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B320042 - SW-846 5030B											
LCS (B320042-BS1)				Prepared & Analyzed: 10/14/22							
1,1,2-Trichloroethane	21.6	1.0	µg/L	20.0		108	70-130				
Trichloroethylene	19.0	1.0	µg/L	20.0		95.0	70-130				
Trichlorofluoromethane (Freon 11)	16.5	2.0	µg/L	20.0		82.7	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	16.9	1.0	µg/L	20.0		84.7	70-130				
Vinyl Chloride	12.9	2.0	µg/L	20.0		64.6	40-160				†
m+p Xylene	45.2	2.0	µg/L	40.0		113	70-130				
o-Xylene	22.8	1.0	µg/L	20.0		114	70-130				
Xylenes (total)	68.0	1.0	µg/L	60.0		113	0-200				
Surrogate: 1,2-Dichloroethane-d4	*22.7*		µg/L	25.0		90.7	70-130				
Surrogate: Toluene-d8	*24.0*		µg/L	25.0		96.1	70-130				
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.9	70-130				
LCS Dup (B320042-BSD1)				Prepared & Analyzed: 10/14/22							
Acetone	183	50	µg/L	200		91.5	70-160	0.0874	25		†
Benzene	20.1	1.0	µg/L	20.0		100	70-130	5.90	25		
Bromochloromethane	21.9	1.0	µg/L	20.0		110	70-130	2.87	25		
Bromodichloromethane	21.3	0.50	µg/L	20.0		107	70-130	8.35	25		
Bromoform	22.2	1.0	µg/L	20.0		111	70-130	2.51	25		
Bromomethane	9.41	2.0	µg/L	20.0		47.0	40-160	**45.9** *	25	R-05, V-05	†
2-Butanone (MEK)	189	20	µg/L	200		94.7	40-160	0.918	25		†
Carbon Disulfide	14.9	5.0	µg/L	20.0		74.6	70-130	9.62	25		
Carbon Tetrachloride	19.2	5.0	µg/L	20.0		96.0	70-130	12.0	25		
Chlorobenzene	24.6	1.0	µg/L	20.0		123	70-130	5.74	25		
Chlorodibromomethane	21.1	0.50	µg/L	20.0		105	70-130	4.01	25		
Chloroethane	16.4	2.0	µg/L	20.0		82.0	70-130	9.38	25		
Chloroform	19.6	2.0	µg/L	20.0		98.0	70-130	6.37	25		
Chloromethane	11.4	2.0	µg/L	20.0		56.9	40-160	8.42	25		†
Cyclohexane	17.0	5.0	µg/L	20.0		85.2	70-130	14.8	25		
1,2-Dibromo-3-chloropropane (DBCP)	18.9	5.0	µg/L	20.0		94.3	70-130	1.11	25	V-05	
1,2-Dibromoethane (EDB)	22.0	0.50	µg/L	20.0		110	70-130	3.43	25		
1,2-Dichlorobenzene	23.2	1.0	µg/L	20.0		116	70-130	4.46	25		
1,3-Dichlorobenzene	22.8	1.0	µg/L	20.0		114	70-130	6.54	25		
1,4-Dichlorobenzene	22.7	1.0	µg/L	20.0		114	70-130	5.61	25		
Dichlorodifluoromethane (Freon 12)	11.2	2.0	µg/L	20.0		55.8	40-160	17.4	25		†
1,1-Dichloroethane	20.7	1.0	µg/L	20.0		103	70-130	5.11	25		
1,2-Dichloroethane	20.8	1.0	µg/L	20.0		104	70-130	6.23	25		
1,1-Dichloroethylene	17.9	1.0	µg/L	20.0		89.6	70-130	7.95	25		
cis-1,2-Dichloroethylene	20.4	1.0	µg/L	20.0		102	70-130	5.61	25		
trans-1,2-Dichloroethylene	19.2	1.0	µg/L	20.0		96.0	70-130	7.18	25		
1,2-Dichloropropane	21.2	1.0	µg/L	20.0		106	70-130	3.70	25		
cis-1,3-Dichloropropene	20.4	0.50	µg/L	20.0		102	70-130	5.07	25		
trans-1,3-Dichloropropene	22.0	0.50	µg/L	20.0		110	70-130	4.69	25		
1,4-Dioxane	173	50	µg/L	200		86.4	40-130	6.10	50		† ‡
Ethylbenzene	25.0	1.0	µg/L	20.0		125	70-130	8.82	25		
2-Hexanone (MBK)	199	10	µg/L	200		99.5	70-160	3.58	25		†
Isopropylbenzene (Cumene)	24.6	1.0	µg/L	20.0		123	70-130	9.08	25		
Methyl Acetate	16.5	1.0	µg/L	20.0		82.3	70-130	2.46	25		
Methyl tert-Butyl Ether (MTBE)	17.0	1.0	µg/L	20.0		85.0	70-130	2.50	25		
Methyl Cyclohexane	20.6	1.0	µg/L	20.0		103	70-130	18.1	25		
Methylene Chloride	20.1	5.0	µg/L	20.0		101	70-130	6.68	25		
4-Methyl-2-pentanone (MIBK)	203	10	µg/L	200		101	70-160	4.28	25		†
Styrene	24.2	1.0	µg/L	20.0		121	70-130	5.83	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B320042 - SW-846 5030B										
LCS Dup (B320042-BSD1)				Prepared & Analyzed: 10/14/22						
1,1,2,2-Tetrachloroethane	23.6	0.50	µg/L	20.0		118	70-130	5.08	25	
Tetrachloroethylene	24.2	1.0	µg/L	20.0		121	70-130	11.2	25	
Toluene	22.5	1.0	µg/L	20.0		112	70-130	8.53	25	
1,2,3-Trichlorobenzene	22.4	5.0	µg/L	20.0		112	70-130	2.26	25	
1,2,4-Trichlorobenzene	23.1	1.0	µg/L	20.0		116	70-130	3.61	25	
1,1,1-Trichloroethane	20.3	1.0	µg/L	20.0		102	70-130	8.24	25	
1,1,2-Trichloroethane	22.4	1.0	µg/L	20.0		112	70-130	3.55	25	
Trichloroethylene	20.9	1.0	µg/L	20.0		105	70-130	9.71	25	
Trichlorofluoromethane (Freon 11)	18.8	2.0	µg/L	20.0		94.1	70-130	12.9	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	20.4	1.0	µg/L	20.0		102	70-130	18.3	25	
Vinyl Chloride	14.3	2.0	µg/L	20.0		71.6	40-160	10.3	25	†
m+p Xylene	49.6	2.0	µg/L	40.0		124	70-130	9.30	25	
o-Xylene	24.8	1.0	µg/L	20.0		124	70-130	8.15	25	
Xylenes (total)	74.4	1.0	µg/L	60.0		124	0-200	8.92		
Surrogate: 1,2-Dichloroethane-d4	*22.3*		µg/L	25.0		89.1	70-130			
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.3	70-130			
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		99.9	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

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

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022

Pace Analytical®

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Fax: 612-607-6344

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CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 1

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

2252004

Company Name: WSP/ENE
Address: 40 La Riviere Dr., Ste. 320 Buffalo, NY 14202
Phone: 716-982-6816

Project Name:
Project Location: Rochester, NY
Project Number: EE170S007.0004 Task 04
Project Manager: Amanda Jacobs
Pace Analytical Quote Name/Number
Invoice Recipient: Amanda Jacobs
Sampled By: Erik Reinert

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☑
Email To: amanda.jacobs@wsp.com
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs 8260	# of Containers / [2] Preservation Code / [3] Container Code
1	OU2-PZ-02-2022	10/12/22	1404		✓	GW		3 H V	
2	OU2-PZ-03-2022	10/12/22	1410		✓	GW		3 H V	

EK

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 10/12/22 1530
Received by: (signature) 2.0	Date/Time: 10/13 9:30
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☑ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

Project Entity
☑ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

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10/13/2022 at 9:30 am

Signed for by: R.PETRAITIS

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Get Status Updates

TRACKING ID

791299203981

FROM
BUFFALO, NY US

Label Created
9/27/2022 10:12 AM

PACKAGE RECEIVED BY FEDEX
ROCHESTER, NY
10/12/2022 4:41 PM

IN TRANSIT
WINDSOR LOCKS, CT
10/13/2022 8:19 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
10/13/2022 8:26 AM

DELIVERED
East Longmeadow, MA US

DELIVERED
10/13/2022 at 9:30 AM

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East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
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Doc# 277 Rev 6 July 2022

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

Client WSP
Received By LA Date 10/13/22 Time 930

How were the samples received? In Cooler T No Cooler ___ On Ice T No Ice ___
Direct From Sample F Ambient ___ Melted Ice ___

Were samples within Tempurature? Within 2-6°C T By Gun # 5 Actual Temp - 2.0 By Blank # ___ Actual Temp -

Was Custody Seal In tact? N/A Were Samples Tampered with? F

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client? T Analysis? T Sampler Name? T Project? T ID's? T Collection Dates/Times? T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? ___

Are there Rushes? F Who was notified? ___

Are there Short Holds? F Who was notified? ___

Samples are received within holding time? T Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? F

Proper Media/Containers Used? T splitting samples required? F

Were trip blanks received? F On COC? F

Do All Samples Have the proper pH? N/A Acid Base

Vials	#	Containers:	#		#	#	
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	6	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#	#	
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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October 28, 2022

Preetam Kuchikulla
NYDEC_WSP - Buffalo, NY
50 Lakefront Boulevard #111
Buffalo, NY 14202

Project Location: Rochester, NY
Client Job Number:
Project Number: 828160
Laboratory Work Order Number: 22J2069

Enclosed are results of analyses for samples as received by the laboratory on October 13, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

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

NYDEC_WSP - Buffalo, NY
50 Lakefront Boulevard #111
Buffalo, NY 14202
ATTN: Preetam Kuchikulla

REPORT DATE: 10/28/2022

PURCHASE ORDER NUMBER: 142737

PROJECT NUMBER: 828160

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22J2069

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

PROJECT LOCATION: Rochester, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
OU2-PZ-02-2022	22J2069-01	Ground Water		SW-846 8260D	
OU2-PZ-03-2022	22J2069-02	Ground Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

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

SW-846 8260D

Qualifications:

L-07

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

Analyte & Samples(s) Qualified:

Carbon Disulfide
B320042-BS1

L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Bromomethane
B320042-BS1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Bromomethane
22J2069-01[OU2-PZ-02-2022], 22J2069-02[OU2-PZ-03-2022], B320042-BLK1, B320042-BS1, B320042-BSD1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22J2069-01[OU2-PZ-02-2022]

V-05

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

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DB
22J2069-01[OU2-PZ-02-2022], 22J2069-02[OU2-PZ-03-2022], B320042-BLK1, B320042-BS1, B320042-BSD1, S078025-CCV1

Bromomethane
22J2069-01[OU2-PZ-02-2022], 22J2069-02[OU2-PZ-03-2022], B320042-BLK1, B320042-BS1, B320042-BSD1, S078025-CCV1

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

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

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

Project Location: Rochester, NY | Sample Description: | Work Order: 22J2069

Date Received: 10/13/2022

Field Sample #: OU2-PZ-02-2022 | Sampled: 10/12/2022 14:04

Sample ID: 22J2069-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	4.1	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Benzene	2.3	2.0	0.40	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Bromochloromethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Bromodichloromethane	ND	1.0	0.36	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Bromoform	ND	2.0	0.77	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Bromomethane	ND	4.0	3.1	µg/L	2	V-05, R-05	SW-846 8260D	10/14/22	10/14/22 23:40	EEH
2-Butanone (MEK)	ND	40	3.2	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Carbon Disulfide	ND	10	2.9	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Chlorobenzene	ND	2.0	0.21	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Chlorodibromomethane	ND	1.0	0.44	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Chloroethane	ND	4.0	0.64	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Chloroform	3.8	4.0	0.34	µg/L	2	J	SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Cyclohexane	73	10	3.5	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.6	µg/L	2	V-05	SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2-Dibromoethane (EDB)	ND	1.0	0.34	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,3-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.38	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,1-Dichloroethane	ND	2.0	0.28	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2-Dichloroethane	ND	2.0	0.62	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
cis-1,2-Dichloroethylene	ND	2.0	0.29	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2-Dichloropropane	ND	2.0	0.36	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
cis-1,3-Dichloropropene	ND	1.0	0.32	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
trans-1,3-Dichloropropene	ND	1.0	0.34	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,4-Dioxane	ND	100	41	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Ethylbenzene	16	2.0	0.43	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
2-Hexanone (MBK)	ND	20	2.2	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Isopropylbenzene (Cumene)	76	2.0	0.22	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Methyl Acetate	ND	2.0	0.91	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Methyl Cyclohexane	87	2.0	0.49	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Methylene Chloride	ND	10	0.47	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Styrene	ND	2.0	0.21	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Tetrachloroethylene	ND	2.0	0.37	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Toluene	1.5	2.0	0.45	µg/L	2	J	SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2,3-Trichlorobenzene	ND	10	0.61	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,2,4-Trichlorobenzene	ND	2.0	0.50	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH

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

Project Location: Rochester, NY | Sample Description: | Work Order: 22J2069

Date Received: 10/13/2022

Field Sample #: OU2-PZ-02-2022 | Sampled: 10/12/2022 14:04

Sample ID: 22J2069-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	2.0	0.34	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,1,2-Trichloroethane	ND	2.0	0.37	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Trichloroethylene	ND	2.0	0.38	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	0.35	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.45	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Vinyl Chloride	ND	4.0	0.42	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH
Xylenes (total)	3.6	2.0	2.0	µg/L	2		SW-846 8260D	10/14/22	10/14/22 23:40	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.0	70-130		10/14/22 23:40
Toluene-d8	97.4	70-130		10/14/22 23:40
4-Bromofluorobenzene	98.2	70-130		10/14/22 23:40

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J2069
Date Received: 10/13/2022
Field Sample #: OU2-PZ-03-2022
Sampled: 10/12/2022 14:10
Sample ID: 22J2069-02
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Bromomethane	ND	2.0	1.5	µg/L	1	R-05, V-05	SW-846 8260D	10/14/22	10/14/22 23:14	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-05	SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH

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

Project Location: Rochester, NY
Sample Description:
Work Order: 22J2069

Date Received: 10/13/2022

Field Sample #: OU2-PZ-03-2022
Sampled: 10/12/2022 14:10

Sample ID: 22J2069-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/14/22	10/14/22 23:14	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.0	70-130		10/14/22 23:14
Toluene-d8	95.4	70-130		10/14/22 23:14
4-Bromofluorobenzene	97.5	70-130		10/14/22 23:14

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Sample Extraction Data

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J2069-01 [OU2-PZ-02-2022]	B320042	2.5	5.00	10/14/22
22J2069-02 [OU2-PZ-03-2022]	B320042	5	5.00	10/14/22

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B320042 - SW-846 5030B										
Blank (B320042-BLK1)				Prepared & Analyzed: 10/14/22						
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							R-05, V-05
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B320042 - SW-846 5030B												
Blank (B320042-BLK1)				Prepared & Analyzed: 10/14/22								
o-Xylene	ND	1.0	µg/L									
Xylenes (total)	ND	1.0	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*23.6*		µg/L	25.0		94.4		70-130				
Surrogate: Toluene-d8	*24.0*		µg/L	25.0		95.8		70-130				
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.8		70-130				
LCS (B320042-BS1)				Prepared & Analyzed: 10/14/22								
Acetone	183	50	µg/L	200		91.6		70-160				†
Benzene	18.9	1.0	µg/L	20.0		94.6		70-130				
Bromochloromethane	21.3	1.0	µg/L	20.0		106		70-130				
Bromodichloromethane	19.6	0.50	µg/L	20.0		98.2		70-130				
Bromoform	21.6	1.0	µg/L	20.0		108		70-130				
Bromomethane	5.90	2.0	µg/L	20.0		**29.5**	*	40-160			L-07A, R-05, V-05	†
2-Butanone (MEK)	188	20	µg/L	200		93.8		40-160				†
Carbon Disulfide	13.6	5.0	µg/L	20.0		**67.8**	*	70-130			L-07	
Carbon Tetrachloride	17.0	5.0	µg/L	20.0		85.2		70-130				
Chlorobenzene	23.2	1.0	µg/L	20.0		116		70-130				
Chlorodibromomethane	20.3	0.50	µg/L	20.0		101		70-130				
Chloroethane	14.9	2.0	µg/L	20.0		74.6		70-130				
Chloroform	18.4	2.0	µg/L	20.0		92.0		70-130				
Chloromethane	10.5	2.0	µg/L	20.0		52.3		40-160				†
Cyclohexane	14.7	5.0	µg/L	20.0		73.4		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	19.1	5.0	µg/L	20.0		95.4		70-130			V-05	
1,2-Dibromoethane (EDB)	21.2	0.50	µg/L	20.0		106		70-130				
1,2-Dichlorobenzene	22.2	1.0	µg/L	20.0		111		70-130				
1,3-Dichlorobenzene	21.3	1.0	µg/L	20.0		107		70-130				
1,4-Dichlorobenzene	21.5	1.0	µg/L	20.0		107		70-130				
Dichlorodifluoromethane (Freon 12)	9.38	2.0	µg/L	20.0		46.9		40-160				†
1,1-Dichloroethane	19.6	1.0	µg/L	20.0		98.2		70-130				
1,2-Dichloroethane	19.6	1.0	µg/L	20.0		98.0		70-130				
1,1-Dichloroethylene	16.5	1.0	µg/L	20.0		82.7		70-130				
cis-1,2-Dichloroethylene	19.2	1.0	µg/L	20.0		96.2		70-130				
trans-1,2-Dichloroethylene	17.9	1.0	µg/L	20.0		89.3		70-130				
1,2-Dichloropropane	20.4	1.0	µg/L	20.0		102		70-130				
cis-1,3-Dichloropropene	19.4	0.50	µg/L	20.0		97.0		70-130				
trans-1,3-Dichloropropene	21.0	0.50	µg/L	20.0		105		70-130				
1,4-Dioxane	163	50	µg/L	200		81.3		40-130				†
Ethylbenzene	22.9	1.0	µg/L	20.0		114		70-130				
2-Hexanone (MBK)	192	10	µg/L	200		96.0		70-160				†
Isopropylbenzene (Cumene)	22.5	1.0	µg/L	20.0		112		70-130				
Methyl Acetate	16.9	1.0	µg/L	20.0		84.4		70-130				
Methyl tert-Butyl Ether (MTBE)	16.6	1.0	µg/L	20.0		82.9		70-130				
Methyl Cyclohexane	17.1	1.0	µg/L	20.0		85.7		70-130				
Methylene Chloride	18.8	5.0	µg/L	20.0		94.0		70-130				
4-Methyl-2-pentanone (MIBK)	194	10	µg/L	200		97.2		70-160				†
Styrene	22.8	1.0	µg/L	20.0		114		70-130				
1,1,2,2-Tetrachloroethane	22.4	0.50	µg/L	20.0		112		70-130				
Tetrachloroethylene	21.7	1.0	µg/L	20.0		108		70-130				
Toluene	20.6	1.0	µg/L	20.0		103		70-130				
1,2,3-Trichlorobenzene	21.8	5.0	µg/L	20.0		109		70-130				
1,2,4-Trichlorobenzene	22.3	1.0	µg/L	20.0		111		70-130				
1,1,1-Trichloroethane	18.7	1.0	µg/L	20.0		93.6		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B320042 - SW-846 5030B											
LCS (B320042-BS1)				Prepared & Analyzed: 10/14/22							
1,1,2-Trichloroethane	21.6	1.0	µg/L	20.0		108	70-130				
Trichloroethylene	19.0	1.0	µg/L	20.0		95.0	70-130				
Trichlorofluoromethane (Freon 11)	16.5	2.0	µg/L	20.0		82.7	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	16.9	1.0	µg/L	20.0		84.7	70-130				
Vinyl Chloride	12.9	2.0	µg/L	20.0		64.6	40-160				†
m+p Xylene	45.2	2.0	µg/L	40.0		113	70-130				
o-Xylene	22.8	1.0	µg/L	20.0		114	70-130				
Xylenes (total)	68.0	1.0	µg/L	60.0		113	0-200				
Surrogate: 1,2-Dichloroethane-d4	*22.7*		µg/L	25.0		90.7	70-130				
Surrogate: Toluene-d8	*24.0*		µg/L	25.0		96.1	70-130				
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.9	70-130				
LCS Dup (B320042-BSD1)				Prepared & Analyzed: 10/14/22							
Acetone	183	50	µg/L	200		91.5	70-160	0.0874	25		†
Benzene	20.1	1.0	µg/L	20.0		100	70-130	5.90	25		
Bromochloromethane	21.9	1.0	µg/L	20.0		110	70-130	2.87	25		
Bromodichloromethane	21.3	0.50	µg/L	20.0		107	70-130	8.35	25		
Bromoform	22.2	1.0	µg/L	20.0		111	70-130	2.51	25		
Bromomethane	9.41	2.0	µg/L	20.0		47.0	40-160	**45.9** *	25	R-05, V-05	†
2-Butanone (MEK)	189	20	µg/L	200		94.7	40-160	0.918	25		†
Carbon Disulfide	14.9	5.0	µg/L	20.0		74.6	70-130	9.62	25		
Carbon Tetrachloride	19.2	5.0	µg/L	20.0		96.0	70-130	12.0	25		
Chlorobenzene	24.6	1.0	µg/L	20.0		123	70-130	5.74	25		
Chlorodibromomethane	21.1	0.50	µg/L	20.0		105	70-130	4.01	25		
Chloroethane	16.4	2.0	µg/L	20.0		82.0	70-130	9.38	25		
Chloroform	19.6	2.0	µg/L	20.0		98.0	70-130	6.37	25		
Chloromethane	11.4	2.0	µg/L	20.0		56.9	40-160	8.42	25		†
Cyclohexane	17.0	5.0	µg/L	20.0		85.2	70-130	14.8	25		
1,2-Dibromo-3-chloropropane (DBCP)	18.9	5.0	µg/L	20.0		94.3	70-130	1.11	25	V-05	
1,2-Dibromoethane (EDB)	22.0	0.50	µg/L	20.0		110	70-130	3.43	25		
1,2-Dichlorobenzene	23.2	1.0	µg/L	20.0		116	70-130	4.46	25		
1,3-Dichlorobenzene	22.8	1.0	µg/L	20.0		114	70-130	6.54	25		
1,4-Dichlorobenzene	22.7	1.0	µg/L	20.0		114	70-130	5.61	25		
Dichlorodifluoromethane (Freon 12)	11.2	2.0	µg/L	20.0		55.8	40-160	17.4	25		†
1,1-Dichloroethane	20.7	1.0	µg/L	20.0		103	70-130	5.11	25		
1,2-Dichloroethane	20.8	1.0	µg/L	20.0		104	70-130	6.23	25		
1,1-Dichloroethylene	17.9	1.0	µg/L	20.0		89.6	70-130	7.95	25		
cis-1,2-Dichloroethylene	20.4	1.0	µg/L	20.0		102	70-130	5.61	25		
trans-1,2-Dichloroethylene	19.2	1.0	µg/L	20.0		96.0	70-130	7.18	25		
1,2-Dichloropropane	21.2	1.0	µg/L	20.0		106	70-130	3.70	25		
cis-1,3-Dichloropropene	20.4	0.50	µg/L	20.0		102	70-130	5.07	25		
trans-1,3-Dichloropropene	22.0	0.50	µg/L	20.0		110	70-130	4.69	25		
1,4-Dioxane	173	50	µg/L	200		86.4	40-130	6.10	50		† ‡
Ethylbenzene	25.0	1.0	µg/L	20.0		125	70-130	8.82	25		
2-Hexanone (MBK)	199	10	µg/L	200		99.5	70-160	3.58	25		†
Isopropylbenzene (Cumene)	24.6	1.0	µg/L	20.0		123	70-130	9.08	25		
Methyl Acetate	16.5	1.0	µg/L	20.0		82.3	70-130	2.46	25		
Methyl tert-Butyl Ether (MTBE)	17.0	1.0	µg/L	20.0		85.0	70-130	2.50	25		
Methyl Cyclohexane	20.6	1.0	µg/L	20.0		103	70-130	18.1	25		
Methylene Chloride	20.1	5.0	µg/L	20.0		101	70-130	6.68	25		
4-Methyl-2-pentanone (MIBK)	203	10	µg/L	200		101	70-160	4.28	25		†
Styrene	24.2	1.0	µg/L	20.0		121	70-130	5.83	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B320042 - SW-846 5030B										
LCS Dup (B320042-BSD1)				Prepared & Analyzed: 10/14/22						
1,1,2,2-Tetrachloroethane	23.6	0.50	µg/L	20.0		118	70-130	5.08	25	
Tetrachloroethylene	24.2	1.0	µg/L	20.0		121	70-130	11.2	25	
Toluene	22.5	1.0	µg/L	20.0		112	70-130	8.53	25	
1,2,3-Trichlorobenzene	22.4	5.0	µg/L	20.0		112	70-130	2.26	25	
1,2,4-Trichlorobenzene	23.1	1.0	µg/L	20.0		116	70-130	3.61	25	
1,1,1-Trichloroethane	20.3	1.0	µg/L	20.0		102	70-130	8.24	25	
1,1,2-Trichloroethane	22.4	1.0	µg/L	20.0		112	70-130	3.55	25	
Trichloroethylene	20.9	1.0	µg/L	20.0		105	70-130	9.71	25	
Trichlorofluoromethane (Freon 11)	18.8	2.0	µg/L	20.0		94.1	70-130	12.9	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	20.4	1.0	µg/L	20.0		102	70-130	18.3	25	
Vinyl Chloride	14.3	2.0	µg/L	20.0		71.6	40-160	10.3	25	†
m+p Xylene	49.6	2.0	µg/L	40.0		124	70-130	9.30	25	
o-Xylene	24.8	1.0	µg/L	20.0		124	70-130	8.15	25	
Xylenes (total)	74.4	1.0	µg/L	60.0		124	0-200	8.92		
Surrogate: 1,2-Dichloroethane-d4	*22.3*		µg/L	25.0		89.1	70-130			
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.3	70-130			
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		99.9	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

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

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

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

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022

Pace Analytical®

Phone: 612-607-6400
Fax: 612-607-6344

https://www.pacelabs.com/

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CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 1

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

2252004

Company Name: WSP/ENE
Address: 40 La Riviere Dr., Ste. 320 Buffalo, NY 14202
Phone: 716-982-6816

Project Name:
Project Location: Rochester, NY
Project Number: EE170S007.0004 Task 04
Project Manager: Amanda Jacobs
Pace Analytical Quote Name/Number
Invoice Recipient: Amanda Jacobs
Sampled By: Erik Reinert

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☑
Email To: amanda.jacobs@wsp.com
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs 8260	# of Containers / [2] Preservation Code / [3] Container Code
1	OU2-PZ-02-2022	10/12/22	1404		✓	GW		3 H V	
2	OU2-PZ-03-2022	10/12/22	1410		✓	GW		3 H V	

EK

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 10/12/22 1530
Received by: (signature) 2.0	Date/Time: 10/13 9:30
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☑ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

Project Entity
☑ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Table of Contents

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FedEx® Tracking

DELIVERED

Thursday

10/13/2022 at 9:30 am

Signed for by: R.PETRAITIS

Obtain Proof of delivery

DELIVERY STATUS

Delivered

Get Status Updates

TRACKING ID

791299203981

FROM
BUFFALO, NY US

Label Created
9/27/2022 10:12 AM

PACKAGE RECEIVED BY FEDEX
ROCHESTER, NY
10/12/2022 4:41 PM

IN TRANSIT
WINDSOR LOCKS, CT
10/13/2022 8:19 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
10/13/2022 8:26 AM

DELIVERED
East Longmeadow, MA US

DELIVERED
10/13/2022 at 9:30 AM

View travel history

Manage Delivery

Shipment facts

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.pacelabs.com

Pace PEOPLE ADVANCING SCIENCE

Doc# 277 Rev 6 July 2022

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

Client WSP
Received By LA Date 10/13/22 Time 930

How were the samples received? In Cooler T No Cooler ___ On Ice T No Ice ___
Direct From Sample F Ambient ___ Melted Ice ___

Were samples within Tempurature? Within 2-6°C T By Gun # 5 Actual Temp - 2.0 By Blank # ___ Actual Temp -

Was Custody Seal In tact? N/A Were Samples Tampered with? F

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client? T Analysis? T Sampler Name? T Project? T ID's? T Collection Dates/Times? T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? ___

Are there Rushes? F Who was notified? ___

Are there Short Holds? F Who was notified? ___

Samples are received within holding time? T Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? F

Proper Media/Containers Used? T splitting samples required? F

Were trip blanks received? F On COC? F

Do All Samples Have the proper pH? N/A Acid Base

Vials	#	Containers:	#		#	#	
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	6	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#	#	
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

B-3 Data Usability Summary Reports

Data Usability Summary Report	Project: Staubs GW-2022
Date Completed: 23 April 2023	Completed by: Lynne Parker

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- Master Quality Assurance Project Plan (QAPP) for New York State Department of Environmental Conservation Project, Draft. Ecology and Environment Engineering and Geology, P.C. May 2020
- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOPs
- ConTest Laboratory SOPs

Laboratory QC limits were used and deemed acceptable for data quality. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

Project ID	Sample Delivery Group	Task Code
1705007.0004.04	22J0003	SM

SDG	Matrix	Sample Name	Lab ID	Sample Date	Sample Type	ID Corrections
22J0003	WQ	TB-2022	22J0003-01	2022/10/01 00:00:00	TB	
22J0003	WG	MW-06-2022	22J0003-02	2022/09/28 10:45:00	N	
22J0003	WG	MW-09-2022	22J0003-03	2022/09/28 12:20:00	N	
22J0003	WG	MW-01B-2022	22J0003-04	2022/09/28 13:00:00	N	
22J0003	WG	MW-4A-2022	22J0003-05	2022/09/28 13:15:00	N	
22J0003	WG	MW-01-2022	22J0003-06	2022/09/28 15:35:00	N	
22J0003	WG	MW-07-2022	22J0003-07	2022/09/29 11:05:00	N	
22J0003	WG	MW-07-2022Q	22J0003-08	2022/09/29 11:07:00	FD	
22J0003	WG	MW-08D-2022	22J0003-09	2022/09/29 11:20:00	N	
22J0003	WG	SB-50-2022	22J0003-10	2022/09/29 12:50:00	N	
22J0003	WG	MW-08-2022	22J0003-11	2022/09/29 14:15:00	N	
22J0003	WG	MW-05-2022	22J0003-12	2022/09/29 15:25:00	N	
22J0003	WG	PZ-06-2022	22J0003-13	2022/09/29 15:50:00	N	
22J0003	WG	MW-10D-2022	22J0003-14	2022/09/30 10:05:00	N	
22J0003	WG	OU2-PZ-04-2022	22J0003-15	2022/09/30 11:05:00	N	
22J0003	WG	MW-09D-2022	22J0003-16	2022/09/30 11:40:00	N	
22J0003	WH	RB-09302022	22J0003-17	2022/09/30 12:00:00	RB	

SDG	Matrix	Test Method	Method Name	Number of Samples	Sample Type
22J0003	WG	SW8260C	Volatile Organic Compounds by GC/MS	15	N/FD
22J0003	WH	SW8260C	Volatile Organic Compounds by GC/MS	1	RB

SDG	Matrix	Test Method	Method Name	Number of Samples	Sample Type
22J0003	WQ	SW8260C	Volatile Organic Compounds by GC/MS	1	TB

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs waters only Equipment Blank - 1/ set of samples per day?	1 field duplicate was collected. 1 MS/MSD was collected. 1 trip blank was included with the cooler. 1 equipment blank was collected from the typhoon pump. The pump was used to collect the following samples: MW-01-2022, MW-05-2022, MW-06-2022, MW-07-2022, MW-08-2022, MW-08D-2022, MW-09-2022, MW-09D-2022, and MW-10D-2022. All other samples were collected from dedicated equipment.
Case narrative present and complete?	Yes.
Any holding time violations (See table below)?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2)
- Surrogates Outside Limits (Table 3)
- MS/MSD Outside Limits (Table 4)
- LCS Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Go to Tables List

Volatile Organics by GC/MS	
Description	**Notes and Qualifiers**
Any compounds present in method, trip, or field blanks (see Table 2)?	Yes. Acetone, benzene, chloroform, cis-1,2-dichloroethylene, tetrachloroethylene, and trichloroethylene were detected in RB-09302022. Chloroform and tetrachloroethylene were detected in TB-2022.
For samples, if results are < 5 times the blank or < 10 times the blank for common laboratory contaminants, then "U" flag data.	Due to positive detections in the equipment blank, the following analytes were U qualified as non-detect: cis-1,2-dichloroethylene in samples MW-01-2022 and MW-09D-2022; tetrachloroethylene in sample MW-01-2022; and trichloroethylene in samples MW-09D-2022. The result for tetrachloroethylene in sample MW-09D-2022 was greater than 10X the PQL; therefore, the result was J qualified as estimated.

Volatile Organics by GC/MS	
Description	**Notes and Qualifiers**
Are surrogates for method blanks and LCS within limits?	Yes.
Are surrogates for samples and MS/MSD within limits? (See Table 3). If not, were all samples reanalyzed for VOCs? Matrix effects should be established.	Yes.
Is Laboratory QC frequency at least one blank and LCS with each batch and one set of MS/MSD per 20 samples?	Unable to determine from report whether a MS/MSD was analyzed with each batch.
Is MS/MSD within QC criteria (see Table 4)? If out and LCS is compliant, then "J" flag positive data in original sample due to matrix.	No. 1,2,4-Trichlorobenzene, chloroethane, 1,2-dibromo-3-chloropropane, bromomethane, and methyl acetate were recovered low in the MS and/or MSD of MW-08D-2022. Chloroethane also exhibited a RPD between the MS and MSD that was outside of control limits. The analytes were non-detect in the parent sample; therefore, the results were UJ qualified as estimated non-detect.
Is LCS within QC criteria (see Table 5)? If out, and the recovery is high with no positive values, then no data qualification is required.	No. 1,2,3-Trichlorobenzene was recovered low in the LCSD associated with batch 318748. The analyte in samples MW-07-2022, MW-01-2022, MW-01B-2022, MW-06-2022, MW-08D-2022, MW-09-2022, MW-4A-2022, and TB-2022 was UJ qualified as estimated non-detect. Vinyl chloride and methyl acetate were recovered high in the LCS and LCSD associated with batch 318756. Additionally, trans-1,2-dichloroethylene exhibited a RPD between the LCS and LCSD that was outside control limits. The positive detections for vinyl chloride and trans-1,2-dichloroethlene were J qualified as estimated in MW-07-2022Q and SB-50-2022. The results for trans-1,2-dichloroethylene were UJ qualified in MW-05-2022, MW-08D-2022, MW-10D-2022, OU2-PZ-04-2022, and PZ-06-2022. No qualification was required for methyl acetate.
Do internal standards areas and retention time meet criteria? If not was sample re-analyzed to establish matrix (see Table 6)?	Internal standard results were not included in the Category A report.
Is initial calibration for target compounds <20%RSD or curve fit?	Initial calibration results were not included in the Category A report.

Volatile Organics by GC/MS	
Description	**Notes and Qualifiers**
Is continuing calibration for target compounds less than laboratory limits for percent difference.	Continuing calibration results were not included in the Category A report. The case narrative noted the following CCV deviations: Benzene was outside of control limits in batch 318756. The analyte was qualified in samples MW-07-2022Q, SB-50-2022, MW-08-2022, MW-05-2022, PZ-06-2022, MW-10D-2022, OU2-PZ-04-2022, MW-09D-2022, and RB-09302022 Vinyl chloride was outside of control limits in batch 318756. The analyte was qualified in the in samples MW-07-2022Q, SB-50-2022, and MW-08-2022. If the analyte was detected in the sample, the result was J qualified as estimated. If the analyte was non-detect, the result was UJ qualified as estimated non-detect.
Were any samples reanalyzed or diluted (see Table 6)? For any sample reanalysis or dilutions, is only one reportable result flagged?	Yes. Several samples were diluted due to elevated target analyte concentrations. Elevated reporting limits were provided for non-detect results. There are instances where the elevated reporting limit exceeds a screening level; however, the target analytes are reportable and consistent with historical findings.
Do field duplicate results show good precision for all compounds (see Table 7)?	Yes. No qualification required if the analyte was only detected in one of the field duplicate samples.

Summary of Impacts on Data Usability

- 1,2,3-Trichlorobenzene was recovered low in the LCSD associated with batch 318748. The analyte in samples MW-07-2022, MW-01-2022, MW-01B-2022, MW-06-2022, MW-08D-2022, MW-09-2022, MW-4A-2022, and TB-2022 was UJ qualified as estimated non-detect.
- Vinyl chloride and methyl acetate were recovered high in the LCS and LCSD associated with batch 318756. Additionally, trans-1,2-dichloroethylene exhibited a RPD between the LCS and LCSD that was outside control limits. The positive detections for vinyl chloride and trans-1,2-dichloroethlene were J qualified as estimated in MW-07-2022Q and SB-50-2022. The results for trans-1,2-dichloroethylene were UJ qualified in MW-05-2022, MW-08D-2022, MW-10D-2022, OU2-PZ-04-2022, and PZ-06-2022.
- Vinyl chloride was J qualified as estimated in samples MW-07-2022Q, SB-50-2022, and MW-08-2022 due to the associated CCV not meeting method specifications.
- Benzene was J/UJ qualified as estimated in samples MW-07-2022Q, SB-50-2022, MW-08-2022, MW-05-2022, PZ-06-2022, MW-10D-2022, OU2-PZ-04-2022, MW-09D-2022, and RB-09302022 due to the associated CCV not meeting method specifications.
- Due to positive detections in the equipment blank, the following analytes were U qualified as non-detect: cis-1,2-dichloroethylene in samples MW-01-2022 and MW-09D-2022; tetrachloroethylene in sample MW-01-2022; and trichloroethylene in samples MW-09D-2022. The result for tetrachloroethylene in sample MW-09D-2022 was greater than 10X the PQL; therefore, the result was J qualified as estimated.

Table 2 – List of Positive Results for Blank Samples

Method	Sample Name	Sample Type	Analyte	Result	Qualifier	Units	MDL	PQL
SW8260D	RB-09302022	RB	Acetone	4.9	J	ug/L	2	50
SW8260D	RB-09302022	RB	Benzene	0.62	J	ug/L	0.2	1
SW8260D	RB-09302022	RB	Chloroform	0.52	J	ug/L	0.17	2
SW8260D	RB-09302022	RB	Cis-1,2-Dichloroethylene	2.0		ug/L	0.15	1
SW8260D	RB-09302022	RB	Tetrachloroethylene (PCE)	140		ug/L	0.19	1
SW8260D	RB-09302022	RB	Trichloroethylene (TCE)	1.5		ug/L	0.19	1
SW8260D	TB-2022	TB	Chloroform	0.49	J	ug/L	0.17	2
SW8260D	TB-2022	TB	Tetrachloroethylene (PCE)	0.52	J	ug/L	0.19	1

Table 2A – List of Samples Qualified for Method Blank Contamination

None

Table 2B – List of Samples Qualified for Field Blank Contamination

Method	Sample Name	Matrix	Analyte	Result	Lab Qualifier	Blank Result	Blank Qualifier	Units	MDL	PQL	Sample Flag
SW-846 8260D	MW-08-2022	WG	Acetone	330	JD	0.62	J	ug/l	200	5000	None
SW-846 8260D	MW-09-2022	WG	Benzene	12	JD	0.52	J	ug/l	10	50	None
SW-846 8260D	MW-01-2022	WG	Chloroform	8.7		0.52	J	ug/l	0.17	2	None
SW-846 8260D	MW-01-2022	WG	Cis-1,2-Dichloroethylene	0.65	J	2.0		ug/l	0.15	1	U Flag
SW-846 8260D	MW-05-2022	WG	Cis-1,2-Dichloroethylene	21000	D	2.0		ug/l	290	2000	None
SW-846 8260D	MW-06-2022	WG	Cis-1,2-Dichloroethylene	14000	D	140		ug/l	15	100	None
SW-846 8260D	MW-07-2022	WG	Cis-1,2-Dichloroethylene	12000	D	140		ug/l	29	200	None
SW-846 8260D	MW-07-2022Q	WG	Cis-1,2-Dichloroethylene	11000	D	140		ug/l	29	200	None
SW-846 8260D	MW-08-2022	WG	Cis-1,2-Dichloroethylene	6700	D	140		ug/l	15	100	None
SW-846 8260D	MW-09-2022	WG	Cis-1,2-Dichloroethylene	4300	D	140		ug/l	7.3	50	None
SW-846 8260D	MW-09D-2022	WG	Cis-1,2-Dichloroethylene	1.7		2.0		ug/l	0.15	1	U Flag
SW-846 8260D	MW-01-2022	WG	Tetrachloroethylene (PCE)	1.1		140		ug/l	0.19	1	U Flag
SW-846 8260D	MW-05-2022	WG	Tetrachloroethylene (PCE)	130000	D	140		ug/l	370	2000	None
SW-846 8260D	MW-06-2022	WG	Tetrachloroethylene (PCE)	140000	D	140		ug/l	940	5000	None

Method	Sample Name	Matrix	Analyte	Result	Lab Qualifier	Blank Result	Blank Qualifier	Units	MDL	PQL	Sample Flag
SW-846 8260D	MW-07-2022	WG	Tetrachloroethylene (PCE)	2900	D	140		ug/l	37	200	None
SW-846 8260D	MW-07-2022Q	WG	Tetrachloroethylene (PCE)	2200	D	140		ug/l	37	200	None
SW-846 8260D	MW-08-2022	WG	Tetrachloroethylene (PCE)	750	D	140		ug/l	19	100	None
SW-846 8260D	MW-09-2022	WG	Tetrachloroethylene (PCE)	3800	D	140		ug/l	9.4	50	None
SW-846 8260D	MW-09D-2022	WG	Tetrachloroethylene (PCE)	48		140		ug/l	0.19	1	J Flag
SW-846 8260D	MW-05-2022	WG	Trichloroethylene (TCE)	6700	D	4.9	J	ug/l	380	2000	None
SW-846 8260D	MW-06-2022	WG	Trichloroethylene (TCE)	5300	D	4.9	J	ug/l	19	100	None
SW-846 8260D	MW-07-2022	WG	Trichloroethylene (TCE)	2300	D	4.9	J	ug/l	38	200	None
SW-846 8260D	MW-07-2022Q	WG	Trichloroethylene (TCE)	2000	D	4.9	J	ug/l	38	200	None
SW-846 8260D	MW-08-2022	WG	Trichloroethylene (TCE)	1100	D	4.9	J	ug/l	19	100	None
SW-846 8260D	MW-09-2022	WG	Trichloroethylene (TCE)	1600	D	4.9	J	ug/l	9.5	50	None
SW-846 8260D	MW-09D-2022	WG	Trichloroethylene (TCE)	2.0		4.9	J	ug/l	0.19	1	U Flag

Table 3 – List of Surrogates outside Control Limits
None

Table 4 – List of MS/MSD Recoveries and RPDs outside Control Limits

Method	Sample ID	Analyte	Orig. Result	Spike Amount	MS Rec.	MSD Rec.	Dil. Fac.	Low Limit	High Limit	Sample Qualifier
SW8260D	MW-08D-2022	1,2,4-Trichlorobenzene	ND	10	69	67.6	1	70	130	UJ Flag
SW8260D	MW-08D-2022	Chloroethane	ND	10	63.2	85.7	1	70	130	UJ Flag
SW8260D	MW-08D-2022	1,2-Dibromo-3-Chloropropane	ND	10	66.5	64.6	1	70	130	UJ Flag
SW8260D	MW-08D-2022	Bromomethane	ND	10	78.6	65.6	1	70	130	UJ Flag
SW8260D	MW-08D-2022	Methyl Acetate	ND	10	70.8	64.0	1	70	130	UJ Flag

Method	Sample ID	Sample Type	Analyte	RPD	RPD Limit	Sample Qual.
SW8260D	MW-08D-2022	MS/MSD	Chloroethane	30.2	30	UJ Flag

Table 5 – List of LCS Recoveries outside Control Limits

Method	Sample ID	Analyte	LCS Rec.	LCSD Rec.	Low Limit	High Limit	Sample Qualifier
SW8260D	B318748-BS1/BSD1	1,2,3-Trichlorobenzene	107	68.5	70	130	UJ Flag
SW8260D	B318756-BS1	Vinyl Chloride	175	173	70	130	J Flag
SW8260D	B318756-BS1	Methyl Acetate	136	134	70	130	None: High & ND

Method	Sample ID	Sample Type	Analyte	RPD	RPD Limit	Sample Qual.
SW8260D	B318756-BS1/BSD1	LCS/LCSD	Trans-1,2-Dichloroethylene	35.0	30	J/UJ Flag

Table 6 – Samples that were Reanalyzed

Sample ID	Lab ID	Method	Sample Type	Action
MW-05-2022	22J0003-12	SW8260D	N	2000X: Diluted to bring target analytes within the calibration curve.
MW-06-2022	22J0003-02	SW8260D	N	100X: Diluted to bring target analytes within the calibration curve. 5000X: Diluted for tetrachloroethene.
MW-07-2022	22J0003-07	SW8260D	N	200X: Diluted to bring target analytes within the calibration curve.
MW-07-2022Q	22J0003-08	SW8260D	FD	200X: Diluted to bring target analytes within the calibration curve.
MW-08-2022	22J0003-11	SW8260D	N	100X: Diluted to bring target analytes within the calibration curve.
MW-08D-2022	22J0003-09	SW8260D	N	2X: Diluted to bring target analytes within the calibration curve.
MW-09-2022	22J0003-03	SW8260D	N	50X: Diluted to bring target analytes within the calibration curve.
MW-10D-2022	22J0003-14	SW8260D	N	4X: Diluted to bring target analytes within the calibration curve.
OU2-PZ-04-2022	22J0003-15	SW8260D	N	2X: Diluted to bring target analytes within the calibration curve.

Table 7 – Summary of Field Duplicate Results

Method	Analyte	Unit	Matrix	PQL	MW-07-2022	MW-07-2022Q	RPD	RPD Rating	Sample Qual
8260C	Cis-1,2-Dichloroethylene	ug/l	WG	200	12000	11000	8.7%	Good	None
8260C	Tetrachloroethylene (PCE)	ug/l	WG	200	2900	2200	27.5%	Good	None
8260C	Trans-1,2-Dichloroethene	ug/l	WG	200	62	46	29.6%	Good	None
8260C	Trichloroethylene (TCE)	ug/l	WG	200	2300	2000	14.0%	Good	None

Data Usability Summary Report	Project: Staubs GW-2022
Date Completed: 23 April 2023	Completed by: Lynne Parker

Method	Analyte	Unit	Matrix	PQL	MW-07-2022	MW-07-2022Q	RPD	RPD Rating	Sample Qual
8260C	Vinyl Chloride	ug/l	WG	400	810	1200	38.8%	Good	None
8260C	Xylenes	ug/l	WG	200	ND	5.1	NC	--	--

Acronym List and Table Key:

CCV = continuing calibration verification
COC = chain of custody
DUSR = data usability summary report
FD = Field duplicate
LCS = laboratory control sample
LCSD = laboratory control sample duplicate
MB = method blank
MDL = method detection limit
MS = matrix spike
MSD = matrix spike duplicate
N = normal field sample
N/A = not applicable
NC = not calculated
ND = not detected
NYSDEC = New York State Department of Environmental Conservation
PQL = practical quantitation limit
QA = quality assurance
QAPP = quality assurance project plan
QC = quality control
RPD = relative percent difference
SDG = sample delivery group

Data Usability Summary Report	Project: Staubs GW-2022
Date Completed: 23 April 2023	Completed by: Lynne Parker

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- Master Quality Assurance Project Plan (QAPP) for New York State Department of Environmental Conservation Project, Draft. Ecology and Environment Engineering and Geology, P.C. May 2020
- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOPs
- ConTest Laboratory SOPs

Laboratory QC limits were used and deemed acceptable for data quality. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

Project ID	Sample Delivery Group	Task Code
1705007.0004.04	22J1878	SM

SDG	Matrix	Sample Name	Lab ID	Sample Date	Sample Type	ID Corrections
22J1878	IDW	IDW-20221012	22J1878-01	2022/10/12 14:50	N	

SDG	Matrix	Test Method	Method Name	Number of Samples	Sample Type
22J1878	IDW	8260C	Volatile Organic Compounds by GC/MS	1	N
22J1878	IDW	E200.7	Metals Analysis by ICP/AES	1	N
22J1878	IDW	E245.1	Mercury Analysis by CV-AAS	1	N
22J1878	IDW	SM4500	pH Analysis	1	N

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs waters only Equipment Blank - 1/ set of samples per day?	Field QC not required for waste characterization.
Case narrative present and complete?	Yes.
Any holding time violations (See table below)?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2)
- Surrogates Outside Limits (Table 3)
- MS/MSD Outside Limits (Table 4)
- LCS Outside Limits (Table 5)

- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Go to Tables List

Volatile Organics by GC/MS	
Description	**Notes and Qualifiers**
Any compounds present in method, trip, or, field blanks (see Table 2)?	No.
For samples, if results are < 5 times the blank or < 10 times the blank for common laboratory contaminants, then "U" flag data.	N/A
Are surrogates for method blanks and LCS within limits?	Yes.
Are surrogates for samples and MS/MSD within limits? (See Table 3). If not, were all samples reanalyzed for VOCs? Matrix effects should be established.	Yes.
Is Laboratory QC frequency at least one blank and LCS with each batch and one set of MS/MSD per 20 samples?	Yes.
Is MS/MSD within QC criteria (see Table 4)? If out and LCS is compliant, then “J” flag positive data in original sample due to matrix.	Not applicable.
Is LCS within QC criteria (see Table 5)? If out, and the recovery is high with no positive values, then no data qualification is required.	Bromomethane, Carbon disulfide, trans-1,2-dichloroethylene, methyl acetate, 1,1,2-trichloro-1,2,2-trifluoroethane, and vinyl chloride were recovered high in the LCS/LCSD associate with batch B320026. All analytes except vinyl chloride were non-detect and did not require qualification. The results for vinyl chloride were J qualified as estimated.
Do internal standards areas and retention time meet criteria? If not was sample re-analyzed to establish matrix (see Table 6)?	Yes.
Is initial calibration for target compounds <20%RSD or curve fit?	Yes.
Is continuing calibration for target compounds less than laboratory limits for percent difference.	Continuing calibration results were not included in the Category A report. The case narrative noted that vinyl chloride in the CCV did not meet the method specifications. The analyte in the sample was J qualified as estimated.
Were any samples reanalyzed or diluted (see Table 6)? For any sample reanalysis or dilutions, is only one reportable result flagged?	Yes.
Do field duplicate results show good precision for all compounds (see Table 7)?	Not applicable.

Metals by ICP/AES and Mercury by CVAA	
Description	**Notes and Qualifiers**
Are any compounds present in method and field blanks as noted on Table 2?	No
For samples, if results are < 5 times the blank then "U" flag data.	N/A
Is laboratory QC frequency one blank and LCS with each batch and one set of MS/MSD per 20 samples?	Yes.
Are MS/MSD within QC criteria (see Table 4)? QC limits are not applicable to sample results greater than 4 times spike amount.	No. Calcium and sodium were recovered above the control limits; however, the native sample concentration was greater than 4 times the spiking concentration. Therefore, no qualification was required.
Is LCS within QC criteria (see Table 5)? If out, and the recovery high with no positive values, then no data qualification is required.	Bromomethane, Carbon disulfide, trans-1,2-dichloroethylene, methyl acetate, 1,1,2-trichloro-1,2,2-trifluoroethane, and vinyl chloride were recovered high in the LCS/LCSD associate with batch B320026. All analytes except vinyl chloride were non-detect and did not require qualification. The results for vinyl chloride were J qualified as estimated.
Is there one serial dilution per 20 samples? Flag all data reported with an “E” as “J”.	Serial dilution results were not included in the Category A report.
Spot check ICS recoveries 80-120%.	Interference check standard results were not included in the Category A report.
Spot check ICV 95-105%.	Initial calibration verification results were not included in the Category A report.
Spot check CCV 90-110% or 80-120% for mercury.	Continuing calibration verification results were not included in the Category A report.
Do field duplicate results show good precision for all compounds (see Table 7)?	Not applicable.

Summary of Impacts on Data Usability

- pH is considered a field test and should be measured in the field. The result was J qualified as estimated.
- Vinyl chloride results were J qualified as estimated due to a high LCS/LCSD recovery and the CCV not meeting method specifications.

Table 2 – List of Positive Results for Blank Samples
None

Table 3 – List of Surrogates outside Control Limits
None

Table 4 – List of MS/MSD Recoveries and RPDs outside Control Limits

Method	Sample ID	Analyte	Orig. Result	Spike Amount	MS Rec.	MSD Rec.	Dil. Fac.	Low Limit	High Limit	Sample Qualifier
SW8260D	B320885-MS1	Calcium	179	4.0	161	--	1	70	130	4X
SW8260D	B321655-MS1	Sodium	611	4.0	659	--	1	70	130	4X

Table 5 – List of LCS Recoveries outside Control Limits

Method	Sample ID	Analyte	LCS Rec.	LCSD Rec.	Low Limit	High Limit	Sample Qualifier
SW8260D	B320026-BS1	Bromomethane	170	169	40	160	None: High & ND
SW8260D	B320026-BS1	Carbon Disulfide	160	156	70	130	None: High & ND
SW8260D	B320026-BS1	Trans-1,2-dichloroethylene	143	151	70	130	None: High & ND
SW8260D	B320026-BS1	Methyl Acetate	163	173	70	130	None: High & ND
SW8260D	B320026-BS1	1,1,2-Trichloro-1,2,2-trifluoroethane	141	140	70	130	None: High & ND
SW8260D	B320026-BS1	Vinyl Chloride	296	287	40	160	J Flag

Table 6 – Samples that were Reanalyzed

Sample ID	Lab ID	Method	Sample Type	Action
IDW-2021023	22J1878-01	SW8260D	IDW	500X: Diluted due to elevated target analyte concentrations. Elevated reporting limits provided for non-detect analytes.
IDW-2021023	22J1878-01	E200.7	IDW	10X: Diluted due to bring the concentration of sodium within the calibration range.

Table 7 – Summary of Field Duplicate Results
Not applicable

Acronym List and Table Key:

CCV	=	continuing calibration verification
COC	=	chain of custody
DUSR	=	data usability summary report
FD	=	Field duplicate
LCS	=	laboratory control sample
LCSD	=	laboratory control sample duplicate
MB	=	method blank
MDL	=	method detection limit
MS	=	matrix spike
MSD	=	matrix spike duplicate
N	=	normal field sample
N/A	=	not applicable
NC	=	not calculated
ND	=	not detected
NYSDEC	=	New York State Department of Environmental Conservation
PQL	=	practical quantitation limit
QA	=	quality assurance
QAPP	=	quality assurance project plan
QC	=	quality control
RPD	=	relative percent difference
SDG	=	sample delivery group

Data Usability Summary Report	Project: Staubs GW-2022
Date Completed: 23 April 2023	Completed by: Lynne Parker

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- Master Quality Assurance Project Plan (QAPP) for New York State Department of Environmental Conservation Project, Draft. Ecology and Environment Engineering and Geology, P.C. May 2020
- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation Standard Operating Procedures (SOPs)
- ConTest Laboratory SOPs

Laboratory QC limits were used and deemed acceptable for data quality. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

Project ID	Sample Delivery Group	Task Code
1705007.0004.04	22J2069	SM

SDG	Matrix	Sample Name	Lab ID	Sample Date	Sample Type	ID Corrections
22J2069	WG	OU2-PZ-02-2022	22J2069-01	2022/10/12 14:04	N	
22J2069	WG	OU2-PZ-03-2022	22J2069-02	2022/10/12 14:10	N	

SDG	Matrix	Test Method	Method Name	Number of Samples	Sample Type
22J2069	WG	SW-846 8260D	Volatile Organic Compounds by GC/MS	2	N

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs waters only Equipment Blank - 1/ set of samples per day?	See DUSR for SDG 22J0003 for field duplicate and equipment blank. A trip blank was not provided with the cooler shipment.
Case narrative present and complete?	Yes
Any holding time violations (See table below)?	No

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2)
- Surrogates Outside Limits (Table 3)
- MS/MSD Outside Limits (Table 4)
- LCS Outside Limits (Table 5)
- Reanalysis Results (Table 6)

- Field Duplicate Results (Table 7)

Go to Tables List

Volatile Organics by GC/MS	
Description	**Notes and Qualifiers**
Any compounds present in method, trip, or field blanks (see Table 2)?	No.
For samples, if results are < 5 times the blank or < 10 times the blank for common laboratory contaminants, then "U" flag data.	No qualification required.
Are surrogates for method blanks and LCS within limits?	Yes.
Are surrogates for samples and MS/MSD within limits? (See Table 3). If not, were all samples reanalyzed for VOCs? Matrix effects should be established.	Yes.
Is Laboratory QC frequency at least one blank and LCS with each batch and one set of MS/MSD per 20 samples?	Unable to determine from report whether a MS/MSD was analyzed with each batch.
Is MS/MSD within QC criteria (see Table 4)? If out and LCS is compliant, then “J” flag positive data in original sample due to matrix.	A site-specific MS/MSD was not provided with this sample delivery group.
Is LCS within QC criteria (see Table 5)? If out, and the recovery is high with no positive values, then no data qualification is required.	Bromomethane and carbon disulfide were recovered low in the LCS and/or LCSD associated with batch B320042. Additionally, bromomethane exceed the precision criteria between the LCS and LCSD. The analytes were non-detect in samples OU2-PZ-02-2022 and OU2-PZ-03-2022 and were UJ qualified as estimated non-detect.
Do internal standards areas and retention time meet criteria? If not was sample re-analyzed to establish matrix (see Table 6)?	Yes
Is initial calibration for target compounds <20%RSD or curve fit?	Yes
Is continuing calibration for target compounds less than laboratory limits for percent difference.	Continuing calibration results were not included in the Category A report. The case narrative noted the following CCV deviations: 1,2-Dibromo-3-chloropropane and bromomethane were outside method specifications in batch 320042. The analytes were non-detect in samples OU2-PZ-02-2022 and OU2-PZ-03-2022 and UJ qualified as estimated non-detect.
Were any samples reanalyzed or diluted (see Table 6)? For any sample reanalysis or dilutions, is only one reportable result flagged?	Yes. Several samples were diluted due to elevated target analyte concentrations. Elevated reporting limits were provided for non-detect results. There are instances where the elevated reporting limit exceeds a screening level; however, the target analytes are reportable and consistent with historical findings.

Volatile Organics by GC/MS	
Description	**Notes and Qualifiers**
Do field duplicate results show good precision for all compounds (see Table 7)?	N/A

Summary of Impacts on Data Usability

- Bromomethane and carbon disulfide were recovered low in the LCS and/or LCSD associated with batch 320042. The analytes were UJ qualified as estimated in the samples.
- 1,2-Dibromo-3-chloropropane and bromomethane did not meet method specifications in an associated CCV. The analytes were non-detect in the samples and UJ qualified as estimated.
- A trip blank was not provided with the sample shipment. Low level detections of site contaminants could be considered suspect.

Table 2 – List of Positive Results for Blank Samples
None.

Table 2A – List of Samples Qualified for Method Blank Contamination
None.

Table 2B – List of Samples Qualified for Field Blank Contamination
None.

Table 3 – List of Surrogates outside Control Limits
None.

Table 4 – List of MS/MSD Recoveries and RPDs outside Control Limits
None.

Table 5 – List of LCS Recoveries outside Control Limits

Method	Sample ID	Analyte	LCS Rec.	LCSD Rec.	Low Limit	High Limit	Sample Qualifier
SW-846 8260D	B320042-BS1/BSD1	Bromomethane	29.5	47	40	160	UJ Flag
SW-846 8260D	B320042-BS1/BSD1	Carbon Disulfide	67.8	74.6	70	130	UJ Flag

Method	Sample ID	Sample Type	Analyte	RPD	RPD Limit	Sample Qual.
SW-846 8260D	B320042-BS1/BSD1	LCS/LCSD	Bromomethane	45.9	25	UJ Flag

Table 6 – Samples that were Reanalyzed

Sample ID	Lab ID	Method	Sample Type	Action
OU2-PZ-02-2022	22J2069-01	SW8260D	N	2X: Diluted to bring target analytes within calibration curve. Elevated reporting limits provided for non-detect results.

Table 7 – Summary of Field Duplicate Results
Not applicable.

Acronym List and Table Key:

CCV	=	continuing calibration verification
COC	=	chain of custody
DUSR	=	data usability summary report
FD	=	Field duplicate
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