

New York State Department of Environmental Conservation Division of
Environmental Remediation

Periodic Review Report 2023

Keywell L.L.C. Vac-Air Division Site
300 Falconer Street, Frewsburg, NY
NYSDEC Site No. 907016

January 03, 2025



Periodic Review Report 2023

Keywell L.L.C. Vac-Air Division Site
300 Falconer Street
Frewsburg, NY 14738

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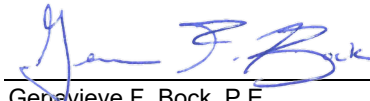
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Acronyms

AWQS	Ambient Water Quality Standards	P.E.	Professional Engineer
AS	air stripper	PFAS	per-and polyfluoroalkyl substances
bgs	below ground surface	PRR	Periodic Review Report
CCU	Catalytic Combustion Unit	QA/QC	Quality Assurance/Quality Control
Class GA	Groundwater class	RI/FS	Remedial Investigation/Feasibility Study
DTP	Depth to Product	ROD	Record of Decision
DTW	Depth to Water	Site	Keywell L.L.C. Vac-Air Division Site
EC	engineering controls	stormceptor	precast concrete oil/sediment/water separation unit
GES	Groundwater & Environmental Services, Inc.	SVE	Soil Vapor Extraction
gpm	gallons per minute	TCE	Trichloroethene
HDPE	high-density polyethylene	TCL	Target Compound List
"Hg	inches of mercury	TOGS 1.1.1	Technical and Operational Guidance Series 1.1.1
IC	institutional controls	TPE	total-phase extraction
Keywell	Keywell LLC	USEPA	United States Environmental Protection Agency
LNAPL	light non-aqueous phase liquid	VFD	Variable-Frequency Drive
µg/L	micrograms per liter	VLS	vapor/liquid separator
NYSDEC	New York State Department of Environmental Conservation	VOCs	Volatile Organic Compounds
OM&M	Post-Remedial Operation, Maintenance, & Monitoring		
OWS	oil water separator		

Executive Summary

Keywell LLC (Keywell) Vac-Air Division (Site) is located at 300 Falconer Street in the Town of Carroll immediately north of the Village of Frewsburg, New York (**Figure 1**). The property is bound by Conewango Creek to the north; open fields, wooded, and low-lying areas to the east; commercial and residential properties to the south; and Falconer Street and Frewsburg Water District Supply Well 2A to the west (**Figure 2**). An unnamed, intermittent drainage way consisting of sections of buried culvert and open swale transverses the property and discharges to a low-lying wetland area at the north end of the Site. This low-lying area drains to Conewango Creek.

The property was formerly owned by Vac-Air Alloys, which began metal processing operations at the Site in 1969. As part of the facility operations, trichloroethene (TCE) was used to clean and degrease metals. Prior to 1969, the property was used for the manufacture of wafer board. Keywell purchased the facility in 1987, filed a petition for reorganization under Chapter 11 of the bankruptcy laws in 2013, and underwent a name change on January 14, 2014 (to SGK Venture, LLC). SGK Venture, LLC processed stainless steel, titanium, and other high grade scrap metal until March 31, 2015 at which time operations ceased.

As discussed in Section 2.0, remedial measures to address solvent releases by the former owners were undertaken by Keywell beginning in 1997.

The following is a summary of the remedial actions and monitoring performed at the Site in 2023:

- Semi-annual groundwater sampling and groundwater elevation measurements.
- Monthly system discharge sampling.
- Per- and polyfluoroalkyl substances (PFAS) sampling was performed on July 18, 2023 from the treatment influent and effluent sample points.
 - The sample was analyzed for PFAS via Method 1633. This data was compared to the Sampling, Analysis, and Assessment of PFAS Under New York State Department of Environmental Conservation's (NYSDEC) Part 375 Remedial Programs.
- Monthly system influent sampling.
- Branch line and waterline repair.
- Weekly Site inspections and overall Site maintenance in accordance with the *Post-Remedial Operation, Maintenance, & Monitoring (OM&M) Plan* (revised April 2015).
 - An annual Site inspection was completed by Groundwater & Environmental Services, Inc. (GES) on August 22, 2023. All engineering controls (ECs) outlined in the OM&M plan were found to be in good condition with no new evidence of damage except as noted below:
 - Portions of the paved cap (e.g., asphalt) covering the Site is cracked and has vegetation growing in cracks.

As outlined in the OM&M Plan, semi-annual groundwater monitoring and sampling events were conducted on April 12 through April 14, 2023, and November 1 through November 2, 2023. Samples were analyzed for volatile organic compounds (VOCs) via United States Environmental



Protection Agency (USEPA) Method 8260C. This data was compared to the NYSDEC technical and operations guidance series 1.1.1 (TOGS 1.1.1) groundwater (Class GA) Ambient Water Quality Standards (AWQS). General observations from the groundwater sampling events are detailed below:

- Spring 2023 results: Of the 16 samples collected, eight (8) contained AWQS exceedances for at least one (1) VOC compound (MW-2, MW-3, MW-4, MW-9R, MW-11R, MW-12, MW-13, and MW-14).
- Fall 2023 results: All eight (8) samples collected contained AWQS exceedances for at least one (1) VOC compound (MW-2, MW-3, MW-4, MW-9R, MW-11R, MW-12, MW-13, and MW-14).

Based on these concentrations, multiple wells exceed NYSDEC TOGS 1.1.1 Class GA AWQS. The following action items are recommended:

- Continuance of semi-annual groundwater monitoring activities.
- Continued use of the dual-phase extraction system to treat groundwater on Site.
- See **Section 5** for additional recommendations to increase system effectiveness, increase uptime, and maintain the system and associated building.

1 Site Overview

1.1 Site Background

The Site is located at 300 Falconer Street in the Town of Carroll near the northern boundary of the Village of Frewsburg, New York (**Figure 1**). It is located in a rural-industrial area off of Falconer Street. The Site lies within a fenced in manufacturing area. It is bordered to the northwest by the Conewango Creek, and across Falconer Street from the Frewsburg Water District Supply Well 2A (**Figure 2**). There are two (2) large and several small buildings on the parcel, as well as paved, grassy, and wooded areas. An unnamed, intermittent drainage way consisting of sections of buried culvert and open swale transverses the property and discharges to a low-lying wetland area at the north end of the Site. This low-lying area drains to Conewango Creek.

The Site is currently vacant and zoned for industrial-manufacturing and processing. Prior to 1969, the property was used for the manufacture of wafer board. Vac-Air started operations at this Site in 1969. The facility operations consisted of sorting, cleaning and packaging of high-grade scrap metal. The metal was cleaned by shot blasting, and degreased with solvents, mainly trichloroethene (TCE). Waste produced from process operations included TCE sludge, spent TCE, and waste lubricating and hydraulic oils. Keywell LLC (Keywell) purchased the facility in 1987 and processed stainless steel, titanium, and other high grade scrap metal. The company signed a Consent Order to conduct the Remedial Investigation/Feasibility Study (RI/FS) and remedial action at the Site. Based upon the RI/FS a Record of Decision (ROD) was signed in 1996. A remedial design was completed and construction began in 1997. The Site remediation included solvent recovery, construction of a barrier wall, air sparging/soil vacuum extraction (SVE), groundwater extraction and treatment, sediment excavation, storm water controls, capping, and long-term monitoring. The remedial construction was completed in 1999. Keywell filed a petition for reorganization under Chapter 11 of the bankruptcy laws in 2013, and underwent a name change on January 14, 2014 (to SGK Venture, LLC). SGK Venture, LLC continued operations until March 31, 2015. NYSDEC took over operation of the onsite remedial systems in 2016. The site property does not currently have an owner.

The Site is located in the Alleghany Plateau physiographic province of New York State. Geology is highly varied and multi-layered. Generally, the geology is composed of a Surficial Overburden Unit over the Upper Sand and Gravel Unit and a Confining Unit of lacustrine sediments which contains a channeled, meandering Lower Sand and Gravel Unit overlying a layer of glacial outwash till and bedrock. The total depth of the surficial overburden unit ranges from 0 to 6 feet below ground surface (bgs) and the Upper Sand and Gravel Unit varies in thickness from 3 feet (north) to 22 feet (south). The Confining Unit varies in thickness from 106 feet to 13.5 feet where it separates the Upper Sand and Lower Sand and Gravel Units below which is another 50 feet of glacial outwash sand gravel and clay over Upper Devonian, Conewango Group gray shale and fine grained sandstones located at 156 feet bgs. Groundwater is found in two stratigraphic units, the Water Table Aquifer (shallow) and the Frewsburg Aquifer (deep), separated by the Confining Unit whose presence allows the Frewsburg Aquifer to normally exhibit artesian

conditions. Depth to water (DTW) in the Water Table Aquifer varies from 3 to 6 feet bgs flowing northward toward Conewango Creek.

1.2 Historical Site Activities

In March 1996, a ROD was issued selecting remedial actions for the Site. In September 1996, Keywell signed a Consent Order to conduct the RI/FS. Following the ROD, remedial measures began in 1997 in accordance with the ROD and *Evaluation of North Soil Area Remedial Alternatives* dated May 1996. The majority of the remedial construction activities were completed by January 1998. The remedial measures included:

- Installation of a slurry wall along the down gradient boundary of the North Soil Area.
- Installation of a 12-well groundwater extraction system.
- Construction of a groundwater treatment system consisting of two bag filters, an air stripper, and a catalytic combustion unit (CCU) for vapor treatment, with treated effluent discharge to the surface water of Conewango Creek.
- Installation of a six (6) well SVE collection and treatment system within the Center Soil Area.
- Installation of two (2) monitoring wells (MW-13 and MW-14) and two (2) piezometers (PZ2 and PZ3).
- Installation of a new storm sewer along the west side of the Main Building, replacement of the 36-inch corrugated metal pipe storm sewer that traversed the property with a 28-inch high-density polyethylene (HDPE) sewer and installation of a precast concrete oil/sediment/water separation unit (stormceptor) in-line, and other controls to isolate runoff from potentially contaminated groundwater.
- Excavation and off-site disposal of contaminated sediments from the low-lying wet area.
- Asphalt paving of areas north and west of the Main Building.

A *Final Remedial Design Report* dated June 1997 outlined the final design specifications for the remedial measures being implemented at the Site. The *Final Remedial Construction Report* dated July 1998 summarized all remedial measures completed, thus far, following the requirements laid out in the *Final Remedial Design Report* and the Consent Order.

In August 2004, operation of the SVE system was discontinued with New York State Department of Environmental Conservation (NYSDEC) approval since it was demonstrated that the mass of TCE removed by the SVE system under optimal operating conditions was insignificant in contrast to the effectiveness of the treatment system.

In December 2004, pumping began at MW-2 due to persistence of volatile organic compounds (VOCs) in groundwater outside of the barrier wall; however, the well would run dry sooner than anticipated.



In November 2007, a voluntary program was initiated to pump groundwater from MW-14 due to elevated VOC concentrations compared to nearby extraction well concentrations.

On January 19, 2010, the CCU was taken off-line with NYSDEC approval, as it was no longer required to provide treatment of VOC off gases from the air stripper to achieve compliance with air emission discharge limitations.

In May 2011, a NYSDEC approved *Post-Remedial Operation, Maintenance & Monitoring (OM&M) Plan* was implemented to update OM&M activities as part of the long-term operation of the various components of the remedial measures.

In March 2015, a request was submitted to NYSDEC to suspend the OM&M requirements for monthly pumping and sampling of monitoring wells MW-2 and MW-14 due to minimal recovery of impacted groundwater.

From January 2010 to February 2016, Benchmark Environmental Engineering & Science, PLLC performed OM&M at the Site. Work completed was reported in annual Periodic Review Reports (PRRs).

NYSDEC took over the operation of the onsite remedial systems in 2016.

In February 2016, Groundwater & Environmental Services, Inc. (GES) was contracted by the NYSDEC to conduct routine O&M of the remediation system, groundwater sampling, Site/system repairs as needed, and other associated activities.

In July 2016, GES performed a pilot test to determine total fluid recovery flow rates to allow sizing of a proper total-phase extraction (TPE) pump to replace the existing centrifugal pump.

On October 4, 2016, GES submitted a *Pilot Test Summary Report* to the NYSDEC. The report recommended the installation of a TPE skid to help increase system effectiveness and reliability.

Between February 22, 2019 and March 13, 2019, GES plumbed and installed a TPE skid and control panel, built by Newterra of Brockville, Ontario.

From February 24 through March 12, 2020, a GES subcontractor, TREC Environmental, performed Geoprobe subsurface investigation at 93 locations that were probed to depths ranging from 10 feet bgs to 22 feet bgs.

On April 7 and April 8, 2020, GES took the on-Site water treatment system oil water separator (OWS) offline for cleaning. The OWS was bypassed directly to the air stripper (AS).

On June 6, 2020, GES performed electrical upgrades to the control panel to install remote access via a cellular based internet connection.

On November 6, 2020, GES installed a new bedding pump in the confined space vault.

On February 8, 2021, GES performed system upgrades by raising the knock-out tank and upgrading plumbing.

On February 8, 2022, a variable frequency drive (VFD) was installed on the vapor/liquid separator (VLS) transfer pump.

On February 11, 2022, a replacement transfer pump was installed. However, the pump failed again on September 2, 2022. Another replacement was ordered and was installed on January 31, 2023.

1.3 Recent Project Activities

Work performed at the Site during the 2023 period included:

- On January 20 to January 31, 2023, the water utility servicing the treatment system building and the compromised branch line were excavated, removed, and repaired.
- On January 31, 2023, the transfer pump was repaired and the treatment system resumed normal operations.
- On February 24, 2023, a Site-wide well gauging event took place. All 18 extraction wells along with 15 monitoring wells, two (2) piezometers, and one (1) staff gauge reading were completed. One (1) monitoring well and one (1) piezometer were not gauged due to area flooding and artesian conditions.
- On April 12 through April 14, 2023, low-flow groundwater sampling spring event was performed at 16 wells. Site groundwater sampling wells were analyzed for VOCs.
- On July 20 and July 21, 2023, well development took place. All 18 of the extraction wells were developed to removed sediment and biological buildup and increase pumping efficiency.
- On August 22, 2023, a site engineering inspection was performed.
- On November 1 and November 2, 2023, low-flow groundwater sampling fall event was performed at eight (8) wells. Samples were analyzed for VOCs.
- On November 1, 2023, a Site-wide well gauging event took place. All 18 extraction wells along with 16 monitoring wells, two (2) piezometers, and one (1) staff gauge reading were completed. One (1) piezometer was not gauged because it was unable to be located.
- Bi-weekly OM&M events were performed to maintain the system and monitor the Site throughout 2023.

2 Site Operation, Maintenance & Monitoring Plan Compliance Report

The Site remedies include monitoring to evaluate the performance of the remedies as follows:

- Site cover system and drainage monitoring
- Groundwater monitoring
- Monthly system effluent sampling
- Monthly system influent sampling

The annual engineering Site inspection was completed by GES personnel on August 22, 2023. Nearly all engineering controls (ECs) as outlined in the OM&M Plan were found to be in good



condition and operating as designed with the exception of the asphalt cap which has deficiencies described in the next paragraph. Inspections should be performed annually as a component of the institutional controls (ICs) as presented in the OM&M Plan. The next annual inspection will be performed in the winter of 2024.

As a component of the ICs presented in the OM&M Plan, on-site EC systems (specifically the groundwater treatment system, cover system, storm water control, subsurface barriers, and fencing/access control) must be protected and replaced as necessary to ensure the devices function in the manner specified in the OM&M Plan. During the Site inspection, the only deficiency noted was that the paved cap was found to have cracks and vegetation growing through the cracks. If the NYSDEC determines that asphalt cap repairs are required at the vacant Site, vegetation will need to be cleared and the cracks patched to restore the paved cap. No Site ICs or ECs have been modified by any Site work since GES took over OM&M activities for the Site in February 2016.

Semi-annual groundwater level monitoring is conducted approximately concurrently with the semi-annual groundwater sampling events. Gauging is performed on the 18 extraction wells, 16 monitoring wells, three (3) piezometers, and one (1) staff gauge in Conewango Creek. **Figure 2** shows the location of all on-Site wells and **Table 1** shows the extraction well construction information.

Groundwater sampling is performed at 16 monitoring wells in the spring and at eight (8) monitoring wells in the fall. **Table 2.1** summarizes the sample names, locations, sampling schedule, and describes the hydrogeologic location for all monitoring wells included in the groundwater monitoring program. Samples are tested for the parameters listed in the **Table 2.2**.

Table 2.1 Monitoring Well Network Summary

Well ID	Physical Location	Sampling Schedule	General Hydrogeologic Location
MW-1	On-site	Spring Only	Upgradient
MW-2	On-site	Spring and Fall	Downgradient
MW-3	On-site	Spring and Fall	Downgradient
MW-4	On-site	Spring and Fall	Downgradient
MW-4D	On-site	Spring Only	Deep Aquifer Downgradient
MW-5	On-site	Spring Only	Upgradient
MW-5D	On-site	Spring Only	Deep Aquifer Upgradient
MW-6	On-site	Spring Only	Cross/Downgradient
MW-7	Off-site	Spring Only	Crossgradient
MW-8	On-site	Spring Only	Upgradient
MW-9R	On-site	Spring and Fall	Downgradient
MW-10	On-site	Spring Only	Upgradient
MW-11R	On-site	Spring and Fall	Source Area
MW-12	Off-site	Spring and Fall	Cross/Downgradient
MW-13	On-site	Spring and Fall	Downgradient
MW-14	Off-site	Spring and Fall	Downgradient

System influent, system effluent, and outfall samples are collected monthly and analyzed for the parameters listed in **Table 2.2**. Effluent samples are collected from a dedicated sample port



located in the discharge piping from the air stripper effluent. System influent sampling is performed to monitor trends in influent concentrations and verify treatment system efficiency. Outfall samples are collected from the Outfall 001 discharge point to monitor discharge water. Outfall 001 is a discharge point located on the northern boundary of the Site for non-treated surface runoff water (**Figure 2**). Outfall 001 was not sampled in November due to no water being present. Due to a gap in the NYSDEC stand by laboratory contract, no samples were collected in December.

Table 2.2 Media Monitoring Schedule For 2023

Monitoring Program	Frequency	Matrix	Analysis
Groundwater	Semi-Annual	Water	Routine Field Parameters: 1. Static Water Level 2. Specific Conductance 3. Temperature 4. pH 5. Oxidation-Reduction Potential 6. Dissolved Oxygen 7. Turbidity
Groundwater	Semi-Annual	Water	Laboratory Analytes: 1. Target Compound List VOCs
Treatment Effluent	Monthly	Water	Routine Field Parameters 1. pH Laboratory Analytes 1. Target Compound List VOCs 2. Oil & Grease 3. Total Aluminum, Iron, and Zinc 4. PFAS (<i>July only</i>)
Treatment Influent	Monthly	Water	Laboratory Analytes 1. Target Compound List VOCs 2. PFAS (<i>July only</i>)
Outfall	Monthly	Water	Laboratory Analytes 1. Target Compound List VOCs 2. Oil & Grease 3. Total Aluminum, Iron, and Zinc 4. Total Suspended Solids

Laboratory analysis is performed using United States Environmental Protection Agency (USEPA) Method 8260C (TCL VOCs), USEPA Method 200.7 (Total Aluminum, Iron, and Zinc), USEPA Method 1664A (Oil & Grease), USEPA Method 2540D (Total Suspended Solids), and USEPA Method 1633 (PFAS). Samples were analyzed by Contest-Pace Analytical of East Longmeadow, MA under contract by the NYSDEC.

As outlined in the OM&M Plan, semi-annual groundwater monitoring and sampling events were conducted from April 12 through April 14, 2023 and November 1 and 2, 2023. Samples were collected via low-flow methods utilizing dedicated tubing, a peristaltic pump, and field parameters were collected using a flow-thru cell and a water quality meter. Low-flow sample logs are included in **Appendix A**.

Spring 2023 Groundwater Sampling Summary

- VOCs in the shallow and deep zones are summarized below:

- In the shallow zone, monitoring wells MW-2, MW-3, MW-4, MW-9R, MW-11R, MW-12, MW-13, and MW-14 had concentrations that exceeded NYSDEC Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1) groundwater (Class GA) ambient water quality standards (AWQS), while monitoring wells MW-1, MW-5, MW-6, MW-7, MW-8, and MW-10 did not exceed standards.
- In the deep zone, MW-4D and MW-5D concentrations were below NYSDEC TOGS 1.1.1 Class GA AWQS.

Fall 2023 Groundwater Sampling Summary

- VOCs in the shallow and deep zones are summarized below:
 - In the shallow zone, all eight (8) monitoring well samples, MW-2, MW-3, MW-4, MW-9R, MW-11R, MW-12, MW-13, and MW-14 had concentrations that exceeded NYSDEC TOGS 1.1.1 Class GA AWQS.
 - No samples were collected from the deep zone during this sampling event.

Groundwater sampling activities conducted in 2023 indicate that current groundwater conditions do not meet the NYSDEC TOGS 1.1.1 Class GA AWQS in multiple monitoring wells.

Results of the 2023 monitoring activities are summarized in **Table 2** and **Table 3**. Figures showing groundwater contouring for the gauging events are included as **Figure 3** and **Figure 4**. Complete results, including quality assurance/ quality control (QA/QC) sample results, are provided in **Appendix B**. The results of this monitoring program are discussed at greater length in **Section 3**.

3 Remedy Performance, Effectiveness, and Protectiveness Evaluation

Operation, maintenance, and monitoring activities are conducted at the Site as part of the ongoing implementation of the OM&M Plan. These activities provide the data to evaluate remedy performance, effectiveness, and protectiveness which are summarized below.

3.1 Site Inspections

The Site is inspected by GES personnel under the following schedule: twice weekly as part of the OM&M schedule and the treatment system is inspected annually by a licensed Professional Engineer (P.E.) or the P.E.'s designee. The annual system inspection form is included as **Appendix C**. During the 2023 period, the annual treatment system inspection was completed on August 22, 2023.

The paved cap, namely the asphalt, is in poor condition and exhibiting cracking and vegetation growth. The remainder of the Site cover system is in good condition and operating as designed. The Site fence and gate are in good condition and working as designed. Additionally, there was evidence of Site security issues including minor vandalism.

The stormceptor unit is inspected quarterly, and was found to be free of any collected product. The groundwater monitoring points remained in good condition with well covers in place and secured.

3.2 Groundwater Quality Monitoring

As outlined in the OM&M Plan, semi-annual groundwater monitoring and sampling was conducted by GES on April 12 through April 14, 2023 and November 1 through November 2, 2023. VOC data is presented in **Table 3** and laboratory analytical reports are included in **Appendix B**.

Groundwater monitoring results are summarized below:

Spring 2023 Groundwater Quality Results

2-Butanone (MEK) had exceedances in the following monitoring well samples:

- MW-9R at 120 micrograms per liter (µg/L)
- MW-14 at 140 µg/L

1,1-Dichloroethylene had exceedances in the following monitoring well samples:

- MW-9R at 15 µg/L

cis-1,2-Dichloroethene had exceedances in the following monitoring well samples:

- MW-2 at 48,000 µg/L
- MW-3 at 150 µg/L
- MW-4 at 440 µg/L
- MW-9R at 1,500 µg/L
- MW-11R at 410 µg/L
- MW-12 at 32 µg/L (and at 53 µg/L in the Field Duplicate)
- MW-13 at 730 µg/L
- MW-14 at 1,200 µg/L

trans-1,2-Dichloroethene had an exceedance in the following monitoring well sample:

- MW-9R at 16 µg/L

Trichloroethene had exceedances in the following monitoring well samples:

- MW-3 at 1,200 µg/L
- MW-4 at 20,000 µg/L
- MW-9R at 2,500 µg/L
- MW-11R at 780 µg/L
- MW-12 at 3,400 µg/L (and at 3,300 µg/L in the Field Duplicate)
- MW-13 at 900 µg/L

- MW-14 at 4,300 µg/L

Vinyl Chloride had exceedances in the following monitoring well samples:

- MW-2 at 30,000 µg/L
- MW-9R at 260 µg/L
- MW-11R at 42 µg/L
- MW-13 at 53 µg/L

In the deep interval, MW-4D and MW-5D sample locations did not exceed NYSDEC TOGS 1.1.1 Class GA AWQS.

Fall 2023 Groundwater Quality Results

cis-1,2-Dichloroethene had exceedances in the following monitoring well samples:

- MW-2 at 27,000 µg/L
- MW-3 at 91 µg/L
- MW-4 at 280 µg/L
- MW-9R at 870 µg/L
- MW-11R at 150 µg/L
- MW-12 at 96 µg/L
- MW-13 at 990 µg/L (and at 910 µg/L in the Field Duplicate)
- MW-14 at 520 µg/L

trans-1,2-Dichloroethene had exceedances in the following monitoring well sample:

- MW-9R at 15 µg/L

Trichloroethene had exceedances in the following monitoring well samples:

- MW-3 at 810 µg/L
- MW-4 at 11,000 µg/L
- MW-9R at 260 µg/L
- MW-11R at 340 µg/L
- MW-12 at 3,900 µg/L
- MW-13 at 3,600 µg/L (and at 3,100 µg/L in the Field Duplicate)
- MW-14 at 3,000 µg/L

Vinyl Chloride had exceedances in the following monitoring well samples:

- MW-2 at 17,000 µg/L
- MW-9R at 250 µg/L

- MW-11R at 2.9 µg/L
- MW-13 at 110 µg/L (and at 100 µg/L in the Field Duplicate)

The deep interval wells, MW-4D and MW-5D, were not sampled during the fall 2023 event.

2023 Groundwater Level Monitoring

Groundwater level monitoring was performed semi-annually concurrently with groundwater sampling. In addition to the water level measurements, the thickness of light non-aqueous phase liquid (LNAPL), if present, was measured and recorded. No LNAPL was detected during the 2023 monitoring activities. An oil/water interface probe was used to measure depth to product (DTP) and DTW levels with an accuracy of approximately ± 0.01 feet. Groundwater gauging and elevation data is presented in **Table 2**.

Groundwater contour maps were developed based on the Spring (February) 2023 (**Figure 3**) and Fall (November) 2023 (**Figure 4**) water level data.

Both the Spring (February) 2023 and Fall (November) 2023 gauging events were performed while the system was fully operational. The Spring (February) 2023 event occurred approximately 1 month after the damaged system water conveyance line was repaired and system resumed normal operations. The Fall (November) 2023 event occurred while the system was operating normally. The gauging data shows that the natural groundwater flow direction is to the north, towards the barrier wall and the extraction wells during normal system operation.

Monitoring of the wells will continue on a semi-annual basis to continue to evaluate contamination levels and groundwater flow conditions.

3.3 Remedial System Summary

A TPE skid and control panel, built by Newterra of Brockville, Ontario, were plumbed and installed between February 22, 2019 and March 13, 2019 by GES staff. The TPE skid consists of a 140 gallon vapor/liquid separator (VLS), a high efficiency vacuum pump, inlet vacuum filters, pulse meter (skid totalizer), and transfer pump. The TPE system is capable of continuous vacuum at 24 inches of mercury ("Hg). This vacuum is tied into 18 extraction wells located across the Site, allowing for increased groundwater extraction and treatment. Results are showing an increase in the water table depression across the Site during system operation.

Groundwater is pulled from the 18 extraction wells to the water treatment building. It enters the 140 gallon VLS where larger solids can settle out before a float system triggers the transfer pump. The groundwater is then pumped through two (2) 50 micron bag filters, where smaller sediments are removed. From the bag filters, the water then moves to an air stripper before discharge. In 2020, GES bypassed the OWS allowing water to be sent directly to the air stripper for treatment.

On March 31, 2022, the system began to pump increasingly turbid water. It was later discovered that during Site investigation work a soil boring was advanced through the system line near EW-18 at the center of the Site. The extraction line header that connects to the extraction wells at the center of the Site was closed. The compromised line was excavated and repaired in January 2023.



From December 28, 2022 through January 31, 2023, the system treated 97,608 gallons of groundwater with an average flow rate of approximately 2.0 gallons per minute (gpm) predominantly from the sewer bedding pump due to a broken transfer pump.

From January 31, 2023 through December 29, 2023, the system treated 6,263,266 gallons of groundwater with an average flow rate of approximately 13.1 gpm combined from the extraction wells and the sewer bedding pump.

The system up-time for 2023 period was approximately 94.23%, which takes system downtime into account due to standard system maintenance, repairs, and upgrades.

System operational data for the reporting period including hour meters and totalizer readings is included in **Table 4**.

2023 System Water Quality Results

System effluent samples are collected monthly for USEPA Method 8260C (TCL VOCs), USEPA Method 200.7 (Total Aluminum, Iron, and Zinc), and USEPA Method 1664A (Oil & Grease) analysis. **Table 5** presents a summary of the monthly effluent results for 2023 compared to the NYSDEC Effluent Limits provided in the 2015 OM&M Manual. **Table 6** presents a summary of monthly treatment system influent and effluent VOC analytical data. Outfall samples are collected monthly for USEPA Method 8260C (TCL VOCs), USEPA Method 200.7 (Total Aluminum, Iron, and Zinc), USEPA Method 1664A (Oil & Grease), and USEPA Method 2540D (Total Suspended Solids) analysis. **Table 7** presents a monthly summary of outfall analytical data. An outfall sample was not collected in November due to no water being present. Samples were not collected for the month of December due to the NYSDEC lab contract expiring.

System effluent water VOC concentration results were below effluent limits (10.0 µg/L) in 2023 with the exception of February (37 µg/L) and March 2023 (46 µg/L). The effluent water will continue to be sampled and monitored for exceedances of the effluent limits. Subsequent sampling results showed VOC concentrations were below effluent limits for the remainder of the year. See **Table 5** for monthly effluent analytical results.

At the request of the NYSDEC, the system effluent and influent samples were collected for per- and polyfluoroalkyl substances (PFAS) analysis on July 18, 2023. No exceedances were detected. See **Table 8** for results.

3.4 Remedial Evaluation

Although the Site remedies and ECs are still in place and functional, an evaluation of the Site 2023 groundwater sampling results reveals the following items of note:

1. The highest groundwater VOC concentrations in the Site monitoring well network are present at monitoring well MW-2, which is located downgradient of the slurry wall barrier system, between the barrier and Conewango Creek. However, a drum field has been discovered to the north of MW-2, outside the existing slurry wall adjacent up to where MW-2 is located. Due to the presence of the drum field adjacent to monitoring well MW-2,

the source of the VOC impacts at MW-2 is not defined. Further testing must be conducted to identify the source of VOC impacts at MW-2 in order to evaluate plans for remediation.

- Operation of the groundwater treatment system in conjunction with the barrier wall is not eliminating all groundwater VOC impacts downgradient of the barrier system (in the vicinity of monitoring well MW-2).
 - Monitoring well MW-2 concentrations are indicating an increasing trend since 2020, specifically related to concentrations of cis-1,2-dichloroethylene.
 - Modification of the Site ECs to address groundwater impacts at monitoring well MW-2 should be evaluated.
 - Because VOC concentrations at MW-2 have not been affected by the upgraded TPE system, it is recommended test pits be dug on the downgradient side of MW-2 where the drum field is located to evaluate the extent of the source area contributing to groundwater concentrations observed at MW-2. This evaluation should be utilized to develop a remedial plan for the area surrounding monitoring well MW-2, downgradient of the current barrier system.
 - Due to the location of the drum field in relation to Conewango Creek, measures must be taken to ensure disturbing the drum field will not send potential impacts into the creek.
2. Elevated groundwater VOC concentrations are observed at monitoring wells MW-3, MW-13, and MW-14, located to the west of the end of the slurry wall and adjacent to and downgradient of the groundwater recovery system extraction wells, respectively.
- VOC concentrations at monitoring wells MW-3, MW-13, and MW-14 appear to be increasing, therefore, operation of the TPE system at the Site in 2023 is not adequately capturing dissolved-phase VOCs from migrating past the line of extraction wells located to the west of the barrier wall.
 - Continued groundwater monitoring in 2024 is recommended to observe if longer-term operation of the upgraded TPE system will reduce groundwater VOC concentrations at monitoring wells MW-3, MW-13, and MW-14. If VOC concentrations at these wells do not decrease in 2024, an extension of the groundwater recovery system to these monitoring wells or an alternate remedial solution to address groundwater VOCs in the vicinity of monitoring wells MW-3, MW-13, and MW-14 should be evaluated.
3. Elevated groundwater VOC concentrations are still observed at off-Site monitoring well MW-12, located west of Falconer Street from monitoring well MW-13.
- Therefore, the Site ECs are not preventing migration of impacted groundwater off-Site to the west. There is likely a component of groundwater flow at the Site which extends northwest instead of directly north. Therefore, all impacted groundwater from the Site is not captured by the existing groundwater recovery system.
 - Expansion of the Site groundwater recovery system or implementation of an alternate remedial solution along the Site's northwestern property boundary (between approximately monitoring well MW-13 and MW-4) should be evaluated to mitigate additional off-Site migration of the dissolved-phase plume.

4 Institutional Control/Engineering Control Compliance Report

The Keywell LLC Vac-Air Division Site remedies involve the use of both ICs and ECs, which include the following:

- ICs
 - Land Use restriction
 - Groundwater Use Restriction
 - Long-term OM&M Plan
- ECs
 - Groundwater treatment system
 - Barrier wall
 - Stormwater control with sediment catch basins
 - Paved cap
 - Subsurface barriers
 - Fencing/Access control

Based on review of project documentation and Site inspections, each of the ICs and ECs at the Site are fully in place and have not been significantly modified by any Site work since GES took over OM&M activities in February 2016, with the exception of the groundwater treatment system process equipment and paved cap. The changes to the system can be found in Sections 1.2 and 1.3. Repairs to the asphalt cover where there are large cracks and vegetation growing through the asphalt is recommended.

5 Summary, Conclusions, and Recommendations

5.1 Compliance with OM&M Plan

The controlling document for the Site is the approved *Post Remediation OM&M Plan* (prepared by Benchmark Environmental Engineering & Science, PLLC, dated May 2011, revised April 2015). The requirements of the OM&M Plan have been met during the reporting period of this PRR.

5.2 Performance and Effectiveness of the Remedies

- The system was partially down due to a broken transfer pump from December 28, 2022 through January 31, 2023. The system treated 97,608 gallons of groundwater with an average flow rate of approximately 2.0 gpm, predominantly from the sewer bedding pump during this time period.



- The system was fully operational from January 31, 2023 through December 31, 2023. The system treated 6,263,266 gallons of groundwater with an average flow rate of approximately 13.1 gpm during this time period.
- The groundwater treatment system uptime was 94.23% for the 2023 reporting period (operating either from the groundwater extraction wells and/or the sewer bedding pump). In comparison, the 2022 uptime was 97.81%. Uptime in 2023 was affected by system shut downs related to the extraction line damage along with normal downtime for system maintenance and cleaning.
 - Site groundwater concentration trends in 2024 should continue to be evaluated to determine if reductions in the groundwater VOC concentrations at monitoring wells MW-2, MW-3, MW-12, MW-13, and MW-14 are observed following operation of the enhanced groundwater treatment system at a higher groundwater extraction flow rate.
- The upgrades to all 18 extraction wells in 2019 have allowed GES to gauge the system while it is operating, allowing for measurement of groundwater table depression during system operation at each extraction well. Gauging events in 2023 have shown DTW ranging from 4.22 feet bgs to 19.16 feet bgs across all 18 extraction wells during system operation.
 - Site wide groundwater level measurements in 2023 were measured while the system was fully operational. In **Figure 3** and **Figure 4**, groundwater contours shows that the natural groundwater flow direction is to the north, towards the barrier wall and the extraction wells during normal system operation. Site-wide gauging events will continue to be conducted during 2024 while the system is operating normally to determine the effectiveness of groundwater depression.
 - Increased pumping rates from the extraction wells in 2024 may increase the groundwater depression zone downgradient of the barrier wall, potentially increasing mitigation of the Site dissolved-phase VOC; therefore, preventing migration towards Conewango Creek.
- The work recommended in Section 5.4 is expected to increase system efficiency and uptime.
- VOC concentrations remain elevated at monitoring wells MW-12 (to the west of Falconer Street in the direction of Municipal Supply Well 2A), MW-3, MW-13, and MW-14 (located downgradient of the barrier wall and extraction system wells in the northwest of the Site), and at monitoring well MW-2 located upgradient of the Site remedial measures between the barrier wall and Conewango Creek.
 - Therefore, the System ECs of the barrier wall and groundwater extraction system are not adequately mitigating off-Site migration of impacted groundwater.
 - Additional contaminant plumes may exist outside the barrier wall and could account for the levels of VOCs in upgradient wells. Test pitting should be

conducted outside the barrier wall, in a recently discovered drum field, to determine if contamination is present.

- An evaluation of additional remedial measures to address these groundwater impacts should be completed after an additional year of TPE system operation.

5.3 Upcoming work

GES will conduct additional Site investigations in 2024. This work has already been scheduled or is in the process of being scheduled and will take place throughout 2024.

- Soil Vapor Investigation – Installation of six (6) soil vapor well points on the perimeter of the Site to investigate off-Site vapor migration.
- PFAS Investigation – Addition of PFAS analysis to spring and fall groundwater investigation.

5.4 Recommendations

To increase the groundwater treatment system effectiveness, further understand the extent and distribution of on-Site contaminants, and evaluate alternate remedial options to address various areas of Site impacts, GES recommends completion of the activities and evaluations detailed below.

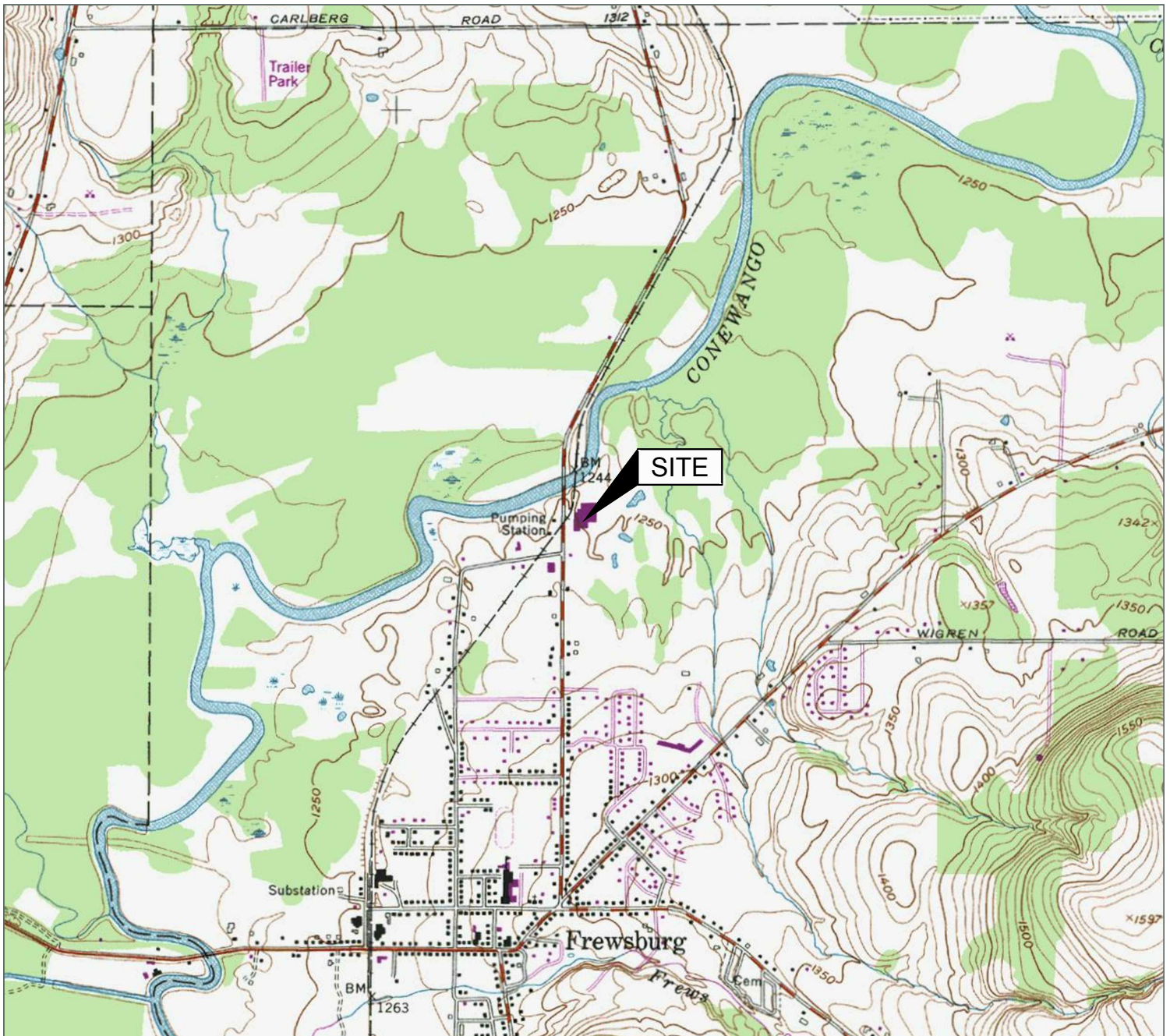
- Repairs & Upgrades:
 - Air stripper effectiveness evaluation – Water discharge exceedances continued to occur in 2023. System analytical results for 2023 are presented in **Table 5** and **Table 6**. Effluent exceedances were observed in February and March 2023. Analytical data will continue to be tracked monthly throughout 2024 to determine whether or not the trend continues. However, installation of the VFD on the VLS transfer pump is expected to increase VOC treatment efficiency through the AS.
 - The July PFAS sampling analytical results are presented in **Table 8**. No exceedances were detected.
 - OWS Removal – The OWS was bypassed, and cleaned in 2020. The system has been monitored for the presence of product and system water analytical data for any changes related to the removal of the OWS with no changes observed. It is recommended that the OWS be removed from the system.
 - Paved Cap – The paved cap was found to be cracked with vegetation growing through the cracks. The paved cap will continue to be monitored. If the NYSDEC determines that cracks in the paved cap are an unacceptable detriment to the EC at the vacant Site, the vegetation should be removed and the cracks sealed.
- Additional Remediation Evaluation:
 - Remedial option evaluations: northwest portion of the Site – In order to address groundwater VOC impacts at monitoring wells MW-3, MW-13, and MW-14 (located



adjacent to and downgradient of the system extraction wells in the northwest corner of the Site) and to address off-Site VOC impacts observed at monitoring well MW-12, evaluation of the current system to mitigate this migration and/or evaluation of alternate remedial options should be completed.

- Investigation: In order to assess the source area location and extent around monitoring well MW-2, an investigation should be completed in this area downgradient of the existing barrier wall and groundwater extraction barrier. Results of this investigation could be utilized to complete a remedial option evaluation for the area around monitoring well MW-2.

Figures



Source:
 USGS 7.5 Minute Series
 Topographic Quadrangle, 1979
 Jamestown, New York
 Contour Interval = 10'



Site Location Map

NYSDEC
 Vac-Air Alloys Site #907016
 300 Falconer Street
 Frewsburg, New York

Drawn
 W.G.S.
 Designed
 Approved



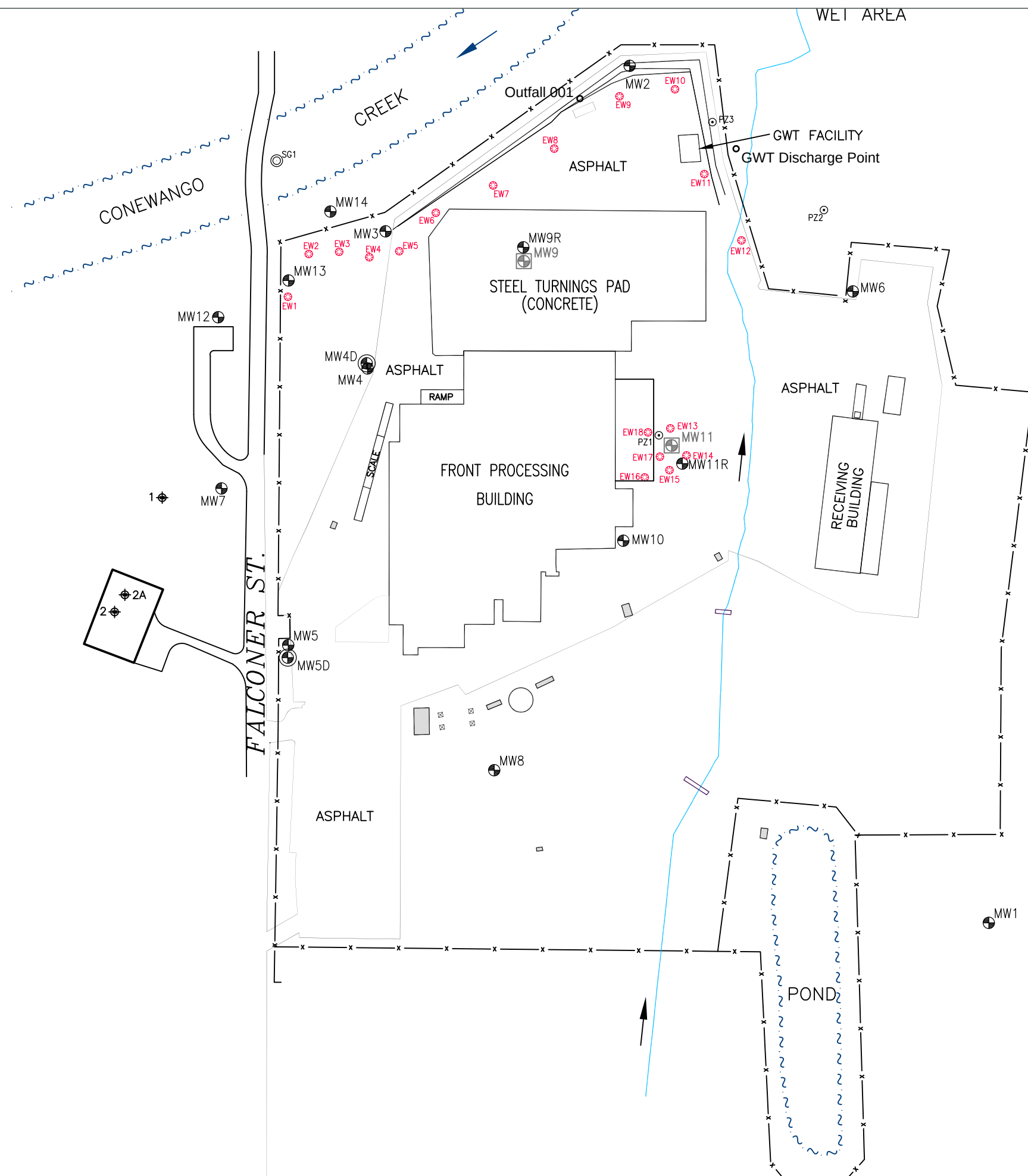
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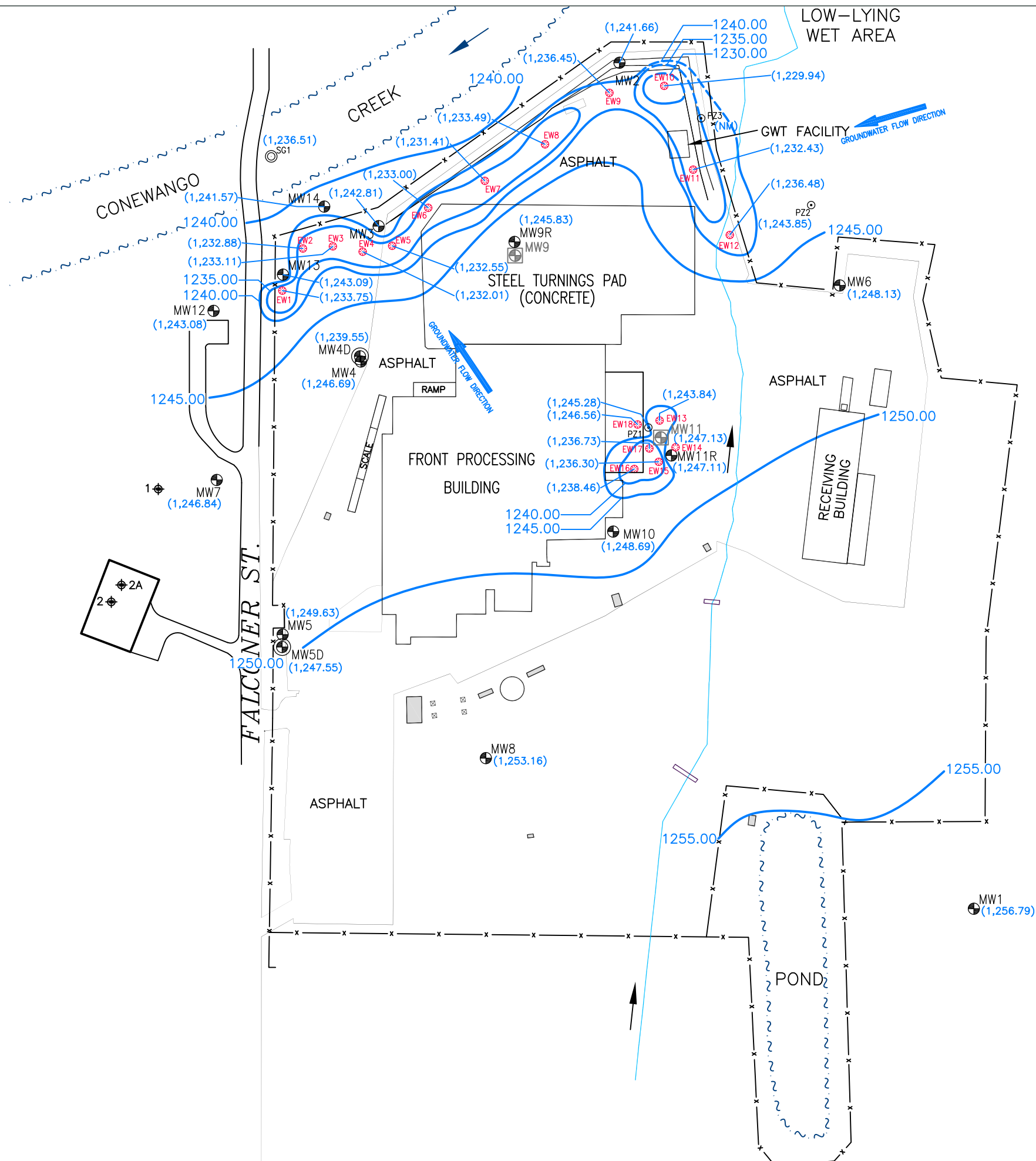
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Groundwater & Environmental Services, Inc.



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LEGEND

- x — FENCE
- BARRIER WALL
- SWALE/CULVERT
- ⊕ SHALLOW MONITORING WELL
- ⊗ DESTROYED/ABANDONED WELL
- ⊕ DEEP MONITORING WELL
- ⊗ EXTRACTION WELL
- ⊙ PIEZOMETER
- ⊙ SURFACE WATER/STAFF GAUGE LOCATION
- (1,233.75) GROUNDWATER ELEVATION (feet)
- GROUNDWATER CONTOUR (feet)
- DASHED WHERE INFERRED
- NM NOT MEASURED

NOTE:

MW4D AND MW5D ELEVATIONS ARE EXCLUDED FROM GROUNDWATER CONTOURS.

Groundwater Contour Map
February 24, 2023

NYSDEC
Vac-Air Alloys Site #907016
300 Falconer Street
Freensburg, New York

Drawn
M.R.H.
Designed
O.O.
Approved

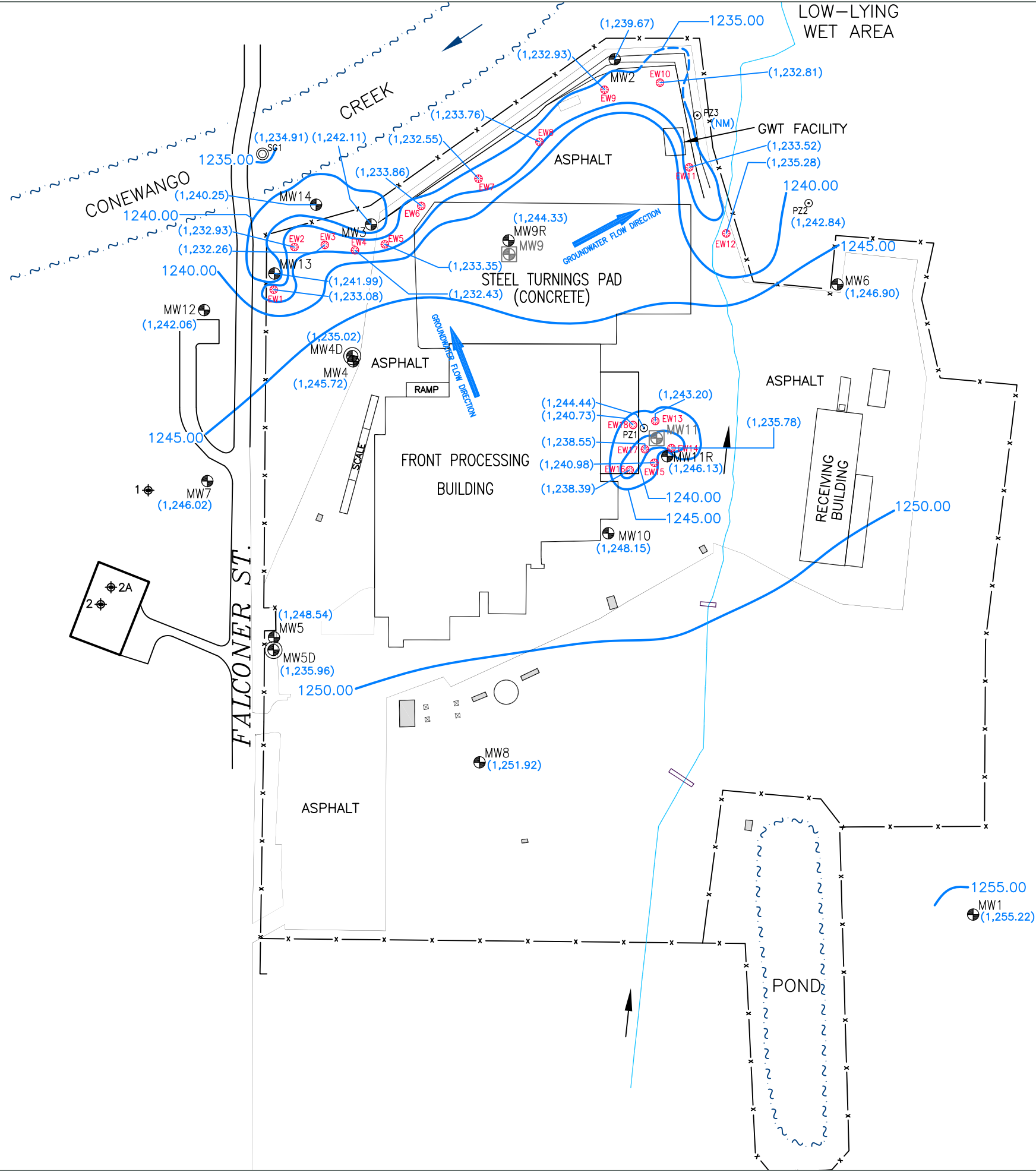


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LEGEND

- x — FENCE
- BARRIER WALL
- SWALE/CULVERT
- ⊕ SHALLOW MONITORING WELL
- ⊗ DESTROYED/ABANDONED WELL
- ⊕ DEEP MONITORING WELL
- ⊗ EXTRACTION WELL
- ⊙ PIEZOMETER
- ⊙ SURFACE WATER/STAFF GAUGE LOCATION
- (1,233.08) GROUNDWATER ELEVATION (feet)
- GROUNDWATER CONTOUR (feet)
- DASHED WHERE INFERRED
- NM NOT MEASURED

NOTE:
MW4D AND MW5D ELEVATIONS ARE EXCLUDED FROM GROUNDWATER CONTOURS.

Groundwater Contour Map
November 1, 2023

NYSDEC
Vac-Air Alloys Site #907016
300 Falconer Street
Freensburg, New York

Drawn
M.R.H.
Designed
O.O.
Approved

Date
06/20/24
Figure
4

N

Scale In Feet

0150


Groundwater & Environmental Services, Inc.

Tables



Table 1

Extraction Well Construction Details

Extraction Well No.	Ground Elevation	Top of Clay Elevation	Bottom of Screen Elevation	Discharge Invert Elevation
EW-1	1,246.00	1,229.77	1,230.02	1,241.80
EW-2	1,246.48	1,228.43	1,228.68	1,241.50
EW-3	1,247.85	1,229.85	1,230.10	1,242.50
EW-4	1,248.93	1,230.93	1,231.18	1,244.27
EW-5	1,249.35	1,227.10	1,227.35	1,244.31
EW-6	1,249.93	1,225.93	1,226.18	1,244.47
EW-7	1,249.60	1,227.60	1,227.85	1,244.63
EW-8	1,249.10	1,231.60	1,231.85	1,244.82
EW-9	1,250.10	1,231.93	1,232.18	1,244.93
EW-10	1,249.10	1,230.68	1,230.93	1,245.07
EW-11	1,249.35	1,232.10	1,232.35	1,245.17
EW-12	1,251.00	1,229.77	1,230.02	1,244.95
EW-13	1,251.60	1,231.60	1,231.85	1,244.38
EW-14	1,251.35	1,233.35	1,233.60	1,244.34
EW-15	1,251.27	1,233.27	1,233.52	1,246.72
EW-16	1,251.00	1,231.27	1,231.52	1,246.75
EW-17	1,251.27	1,231.27	1,231.52	1,246.54
EW-18	1,250.93	1,226.93	1,227.18	1,246.71

Note:

All elevations reported in feet above mean sea level (ft amsl).

Table 2

Groundwater Gauging Data

Well ID	Top of Casing Elevation (ft amsl)	Well Diameter (inches)	Depth to Water (ft btoc)		Groundwater Elevation (ft amsl)	
			2/24/2023	11/1/2023	2/24/2023	11/1/2023
EW-1	1,246.00	4	12.25	12.92	1,233.75	1,233.08
EW-2	1,246.48	4	13.60	13.55	1,232.88	1,232.93
EW-3	1,247.85	4	14.74	15.59	1,233.11	1,232.26
EW-4	1,248.93	4	16.92	16.50	1,232.01	1,232.43
EW-5	1,249.35	4	16.80	16.00	1,232.55	1,233.35
EW-6	1,249.93	4	16.93	16.07	1,233.00	1,233.86
EW-7	1,249.60	4	18.19	17.05	1,231.41	1,232.55
EW-8	1,249.10	4	15.61	15.34	1,233.49	1,233.76
EW-9	1,250.10	4	13.65	17.17	1,236.45	1,232.93
EW-10	1,249.10	4	19.16	16.29	1,229.94	1,232.81
EW-11	1,249.35	4	16.92	15.83	1,232.43	1,233.52
EW-12	1,251.00	4	14.52	15.72	1,236.48	1,235.28
EW-13	1,251.60	4	7.76	8.40	1,243.84	1,243.20
EW-14	1,251.35	4	4.22	15.57	1,247.13	1,235.78
EW-15	1,251.27	4	14.97	10.29	1,236.30	1,240.98
EW-16	1,251.00	4	12.54	12.61	1,238.46	1,238.39
EW-17	1,251.27	4	14.54	12.72	1,236.73	1,238.55
EW-18	1,250.93	4	4.37	10.20	1,246.56	1,240.73
MW-1	1,260.60	2	3.81	5.38	1,256.79	1,255.22
MW-2	1,251.60	2	9.94	11.93	1,241.66	1,239.67
MW-3	1,252.30	2	9.49	10.19	1,242.81	1,242.11
MW-4	1,250.10	2	3.41	4.38	1,246.69	1,245.72
MW-4D	1,249.37	2	9.82	14.35	1,239.55	1,235.02
MW-5	1,256.50	2	6.87	7.96	1,249.63	1,248.54
MW-5D	1,255.14	2	7.59	19.18	1,247.55	1,235.96
MW-6	1,253.70	2	5.57	6.80	1,248.13	1,246.90
MW-7	1,253.76	2	6.92	7.74	1,246.84	1,246.02
MW-8	1,256.65	2	3.49	4.73	1,253.16	1,251.92
MW-9R	1,249.88	2	4.05	5.55	1,245.83	1,244.33
MW-10	1,253.50	2	4.81	5.35	1,248.69	1,248.15
MW-11R	1,250.80	2	3.69	4.67	1,247.11	1,246.13
MW-12	1,243.08	2	Artesian	1.02	1,243.08	1,242.06
MW-13	1,246.04	2	2.95	4.05	1,243.09	1,241.99
MW-14	1,247.46	2	5.89	7.21	1,241.57	1,240.25
PZ-1	1,250.22	2	4.94	5.78	1,245.28	1,244.44
PZ-2	1,247.43	2	3.58	4.59	1,243.85	1,242.84
PZ-3	1,250.82	2	NM	NM	NM	NM
SG-1	1,253.91	2	17.40	19.00	1,236.51	1,234.91

Note:

ft btoc - feet below top of casing

ft amsl - feet above mean sea level

NM - Not measured, PZ-3 unable to be located.

NA - Not applicable

* Extraction wells (EW-#) were previously surveyed at ground elevation, no data top of casing

Table 3
Groundwater Analytical Data
April and November 2023

Chemical Name	NYSDEC TOGS 1.1.1 GWQS	Well ID	MW-1	MW-2		MW-3		MW-4		MW-4D	MW-5	MW-5D	MW-6	MW-7	MW-8
		Sample Date	4/14/23	4/13/23	11/2/23	4/13/23	11/2/23	4/12/23	11/2/23	4/12/23	4/12/23	4/12/23	4/13/23	4/12/23	4/13/23
		ft btoc	3.94	9.95	12.00	9.88	10.30	3.41	4.25	5.28	7.22	11.26	6.52	7.18	3.84
		Units													
Acetone	50	µg/L	2.2	ND < 1000	ND < 800	ND < 40	ND < 20	ND < 500	ND < 400	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Benzene	1	µg/L	ND < 0.18	ND < 92	ND < 74	ND < 3.7	ND < 1.8	ND < 46	ND < 37	ND < 0.18	ND < 0.18	ND < 0.18	ND < 0.18	ND < 0.18	ND < 0.18
Bromochloromethane	5	µg/L	ND < 0.28	ND < 140	ND < 110	ND < 5.7	ND < 2.8	ND < 71	ND < 57	ND < 0.28	ND < 0.28	ND < 0.28	ND < 0.28	ND < 0.28	ND < 0.28
Bromodichloromethane	50	µg/L	ND < 0.16	ND < 79	ND < 63	ND < 3.2	ND < 1.6	ND < 39	ND < 32	ND < 0.16	ND < 0.16	ND < 0.16	ND < 0.16	ND < 0.16	ND < 0.16
Bromoform	50	µg/L	ND < 0.41	ND < 200	ND < 160	ND < 8.2	ND < 4.1	ND < 100	ND < 82	ND < 0.41	ND < 0.41	ND < 0.41	ND < 0.41	ND < 0.41	ND < 0.41
Bromomethane	5	µg/L	ND < 1.3	ND < 660	ND < 530	ND < 26	ND < 13	ND < 330	ND < 260	ND < 1.3	ND < 1.3	ND < 1.3	ND < 1.3	ND < 1.3	ND < 1.3
2-Butanone (MEK)	50	µg/L	ND < 1.7	ND < 840	ND < 670	ND < 34	ND < 17	ND < 420	ND < 340	ND < 1.7	ND < 1.7	ND < 1.7	ND < 1.7	ND < 1.7	ND < 1.7
Carbon Disulfide	60	µg/L	ND < 1.6	ND < 780	ND < 620	ND < 31	ND < 16	ND < 390	ND < 310	ND < 1.6	ND < 1.6	ND < 1.6	ND < 1.6	ND < 1.6	ND < 1.6
Carbon Tetrachloride	5	µg/L	ND < 0.16	ND < 82	ND < 65	ND < 3.3	ND < 1.6	ND < 41	ND < 33	ND < 0.16	ND < 0.16	ND < 0.16	ND < 0.16	ND < 0.16	ND < 0.16
Chlorobenzene	5	µg/L	ND < 0.12	ND < 59	ND < 48	ND < 2.4	ND < 1.2	ND < 30	ND < 24	ND < 0.12	ND < 0.12	ND < 0.12	ND < 0.12	ND < 0.12	ND < 0.12
Chlorodibromomethane	50	µg/L	ND < 0.20	ND < 100	ND < 80	ND < 4.0	ND < 2.0	ND < 50	ND < 40	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Chloroethane	5	µg/L	ND < 0.34	ND < 170	ND < 140	ND < 6.8	ND < 3.4	ND < 86	ND < 68	ND < 0.34	ND < 0.34	ND < 0.34	ND < 0.34	ND < 0.34	ND < 0.34
Chloroform	7	µg/L	ND < 0.14	ND < 70	ND < 56	ND < 2.8	ND < 1.4	ND < 35	ND < 28	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14
Chloromethane	5	µg/L	ND < 0.50	ND < 250	ND < 200	ND < 10	ND < 5.0	ND < 130	ND < 100	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Cyclohexane	NS	µg/L	ND < 1.8	ND < 880	ND < 710	ND < 35	ND < 18	ND < 440	ND < 350	ND < 1.8	ND < 1.8	ND < 1.8	ND < 1.8	ND < 1.8	ND < 1.8
1,2-Dibromo-3-chloropropane (DBCP)	0.04	µg/L	ND < 0.85	ND < 430	ND < 340	ND < 17	ND < 8.5	ND < 210	ND < 170	ND < 0.85	ND < 0.85	ND < 0.85	ND < 0.85	ND < 0.85	ND < 0.85
1,2-Dibromoethane (EDB)	0.0006	µg/L	ND < 0.16	ND < 80	ND < 64	ND < 3.2	ND < 1.6	ND < 40	ND < 32	ND < 0.16	ND < 0.16	ND < 0.16	ND < 0.16	ND < 0.16	ND < 0.16
1,2-Dichlorobenzene	3	µg/L	ND < 0.13	ND < 65	ND < 52	ND < 2.6	ND < 1.3	ND < 32	ND < 26	ND < 0.13	ND < 0.13	ND < 0.13	ND < 0.13	ND < 0.13	ND < 0.13
1,3-Dichlorobenzene	3	µg/L	ND < 0.14	ND < 68	ND < 55	ND < 2.7	ND < 1.4	ND < 34	ND < 27	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14
1,4-Dichlorobenzene	3	µg/L	ND < 0.13	ND < 64	ND < 51	ND < 2.6	ND < 1.3	ND < 32	ND < 26	ND < 0.13	ND < 0.13	ND < 0.13	ND < 0.13	ND < 0.13	ND < 0.13
Dichlorodifluoromethane (Freon 12)	5	µg/L	ND < 0.16	ND < 80	ND < 64	ND < 3.2	ND < 1.6	ND < 40	ND < 32	ND < 0.16	ND < 0.16	ND < 0.16	ND < 0.16	ND < 0.16	ND < 0.16
1,1-Dichloroethane	5	µg/L	ND < 0.14	ND < 68	ND < 55	ND < 2.7	ND < 1.4	ND < 34	ND < 27	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14
1,2-Dichloroethane	0.6	µg/L	ND < 0.30	ND < 150	ND < 120	ND < 6.1	ND < 3.0	ND < 76	ND < 61	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30
1,1-Dichloroethylene	5	µg/L	ND < 0.14	ND < 70	ND < 56	ND < 2.8	1.7	ND < 35	ND < 28	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14
cis-1,2-Dichloroethylene	5	µg/L	ND < 0.14	48,000	27,000	150	91	440	280	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14
trans-1,2-Dichloroethylene	5	µg/L	ND < 0.17	ND < 86	ND < 69	ND < 3.4	ND < 1.7	ND < 43	ND < 34	ND < 0.17	ND < 0.17	ND < 0.17	ND < 0.17	ND < 0.17	ND < 0.17
1,2-Dichloropropane	1	µg/L	ND < 0.19	ND < 97	ND < 77	ND < 3.9	ND < 1.9	ND < 48	ND < 39	ND < 0.19	ND < 0.19	ND < 0.19	ND < 0.19	ND < 0.19	ND < 0.19
cis-1,3-Dichloropropene	0.4	µg/L	ND < 0.16	ND < 82	ND < 65	ND < 3.3	ND < 1.6	ND < 41	ND < 33	ND < 0.16	ND < 0.16	ND < 0.16	ND < 0.16	ND < 0.16	ND < 0.16
trans-1,3-Dichloropropene	0.4	µg/L	ND < 0.14	ND < 71	ND < 57	ND < 2.8	ND < 1.4	ND < 35	ND < 28	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14
1,4-Dioxane	0.35	µg/L	ND < 18	ND < 9000	ND < 7200	ND < 360	ND < 180	ND < 4500	ND < 3600	ND < 18	ND < 18	ND < 18	ND < 18	ND < 18	ND < 18
Ethylbenzene	5	µg/L	ND < 0.22	ND < 110	ND < 88	ND < 4.4	ND < 2.2	ND < 55	ND < 44	ND < 0.22	ND < 0.22	ND < 0.22	ND < 0.22	ND < 0.22	ND < 0.22
2-Hexanone (MBK)	50	µg/L	ND < 1.2	ND < 600	ND < 480	ND < 24	ND < 12	ND < 300	ND < 240	ND < 1.2	ND < 1.2	ND < 1.2	ND < 1.2	ND < 1.2	ND < 1.2
Isopropylbenzene (Cumene)	5	µg/L	ND < 0.15	ND < 76	ND < 60	ND < 3.0	ND < 1.5	ND < 38	ND < 30	ND < 0.15	ND < 0.15	ND < 0.15	ND < 0.15	ND < 0.15	ND < 0.15
Methyl Acetate	NS	µg/L	ND < 0.61	ND < 300	ND < 240	ND < 12	ND < 6.1	ND < 150	ND < 120	ND < 0.61	ND < 0.61	ND < 0.61	ND < 0.61	ND < 0.61	ND < 0.61
Methyl tert-Butyl Ether (MTBE)	10	µg/L	ND < 0.17	ND < 85	ND < 68	ND < 3.4	ND < 1.7	ND < 43	ND < 34	ND < 0.17	ND < 0.17	ND < 0.17	ND < 0.17	ND < 0.17	ND < 0.17
Methyl Cyclohexane	NS	µg/L	ND < 0.16	ND < 78	ND < 62	ND < 3.1	ND < 1.6	ND < 39	ND < 31	ND < 0.16	ND < 0.16	ND < 0.16	ND < 0.16	ND < 0.16	ND < 0.16
Methylene Chloride	5	µg/L	ND < 0.18	ND < 88	ND < 71	ND < 3.5	ND < 1.8	ND < 44	ND < 35	ND < 0.18	ND < 0.18	ND < 0.18	ND < 0.18	ND < 0.18	ND < 0.18
4-Methyl-2-pentanone (MIBK)	NS	µg/L	ND < 1.3	ND < 660	ND < 530	ND < 26	ND < 13	ND < 330	ND < 260	ND < 1.3	ND < 1.3	ND < 1.3	ND < 1.3	ND < 1.3	ND < 1.3
Styrene	5	µg/L	ND < 0.15	ND < 75	ND < 60	ND < 3.0	ND < 1.5	ND < 38	ND < 30	ND < 0.15	ND < 0.15	ND < 0.15	ND < 0.15	ND < 0.15	ND < 0.15
1,1,2,2-Tetrachloroethane	5	µg/L	ND < 0.14	ND < 68	ND < 55	ND < 2.7	ND < 1.4	ND < 34	ND < 27	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14	ND < 0.14
Tetrachloroethylene	5	µg/L	ND < 0.17	ND < 84	ND < 67	ND < 3.4	ND < 1.7	ND < 42	ND < 34	ND < 0.17	ND < 0.17	ND < 0.17	ND < 0.17	ND < 0.17	ND < 0.17
Toluene	5	µg/L	ND < 0.22	ND < 110	ND < 89	ND < 4.5	ND < 2.2	ND < 56	ND < 45	ND < 0.22	ND < 0.22	ND < 0.22	ND < 0.22	ND < 0.22	ND < 0.22
1,2,3-Trichlorobenzene	5	µg/L	ND < 0.34	ND < 170	ND < 140	ND < 6.8	ND < 3.4	ND < 86	ND < 68	ND < 0.34	ND < 0.34	ND < 0.34	ND < 0.34	ND < 0.34	ND < 0.34
1,2,4-Trichlorobenzene	5	µg/L	ND < 0.30	ND < 150	ND < 120	ND < 6.0	ND < 3.0	ND < 75	ND < 60	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30
1,1,1-Trichloroethane	5	µg/L	ND < 0.15	ND < 75	ND < 60	ND < 3.0	ND < 1.5	ND < 37	ND < 30	ND < 0.15	ND < 0.15	ND < 0.15	ND < 0.15	ND < 0.15	ND < 0.15
1,1,2-Trichloroethane	1	µg/L	ND < 0.19	ND < 96	ND < 76	ND < 3.8	ND < 1.9	ND < 48	ND < 38	ND < 0.19	ND < 0.19	ND < 0.19	ND < 0.19	ND < 0.19	ND < 0.19
Trichloroethylene	5	µg/L	ND < 0.17	ND < 87	ND < 70	1,200	810	20,000	11,000	ND < 0.17	ND < 0.17	ND < 0.17	ND < 0.17	ND < 0.17	ND < 0.17
Trichlorofluoromethane (Freon 11)	5	µg/L	ND < 0.15	ND < 77	ND < 62	ND < 3.1	ND < 1.5	ND < 39	ND < 31	ND < 0.15	ND < 0.15	ND < 0.15	ND < 0.15	ND < 0.15	ND < 0.15
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	µg/L	ND < 0.21	ND < 100	ND < 83	ND < 4.2	ND < 2.1	ND < 52	ND < 42	ND < 0.21	ND < 0.21	ND < 0.21	ND < 0.21	ND < 0.21	ND < 0.21
Vinyl Chloride	2	µg/L	ND < 0.24	30,000	17,000	ND < 4.7	ND < 2.4	ND < 59	ND < 47	ND < 0.24	ND < 0.24	ND < 0.24	ND < 0.24	ND < 0.24	ND < 0.24
Xylenes (total)	5	µg/L	ND < 1.0	ND < 500	ND < 400	ND < 20	ND < 10	ND < 250	ND < 200	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0

Notes:

µg/L = micrograms per liter

ft btoc = feet below top of casing

NYSDEC TOGS 1.1.1 GWQS = New York State Department of Environmental Conservation Technical and Operational Guidance Series 1.1.1 June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater.

values exceed the NYSDEC TOGS 1.1.1 GWQS.

Bold and italicized values indicated reporting limit is higher than Groundwater Quality Standard

NA = Not Applicable

NS =

Table 3
Groundwater Analytical Data
April and November 2023

Chemical Name	NYSDEC TOGS 1.1.1 GWQS	Well ID	MW-9R		MW-10	MW-11R		MW-12			MW-13			MW-14		Trip Blank
		Sample Date	4/13/23	11/2/23	4/13/23	4/13/23	11/2/23	4/12/23	4/12/23	11/2/23	4/14/23	11/1/23	11/1/23	4/14/23	11/1/23	4/14/23
		ft btoc	4.56	6.60	5.16	4.38	5.25	Artesian	DUP	1.30	3.61	4.10	DUP	7.03	7.33	NA
		Units														
Acetone	50	µg/L	ND < 80	ND < 40	ND < 2.0	ND < 20	10	ND < 100	ND < 100	ND < 100	ND < 40	ND < 100	ND < 80	ND < 100	ND < 80	ND < 2.0
Benzene	1	µg/L	ND < 7.4	ND < 3.7	ND < 0.18	ND < 1.8	ND < 0.74	ND < 9.2	ND < 9.2	ND < 9.2	ND < 3.7	ND < 9.2	ND < 7.4	ND < 9.2	ND < 7.4	ND < 0.18
Bromochloromethane	5	µg/L	ND < 11	ND < 5.7	ND < 0.28	ND < 2.8	ND < 1.1	ND < 14	ND < 14	ND < 14	ND < 5.7	ND < 14	ND < 11	ND < 14	ND < 11	ND < 0.28
Bromodichloromethane	50	µg/L	ND < 6.3	ND < 3.2	ND < 0.16	ND < 1.6	ND < 0.63	ND < 7.9	ND < 7.9	ND < 7.9	ND < 3.2	ND < 7.9	ND < 6.3	ND < 7.9	ND < 6.3	ND < 0.16
Bromoform	50	µg/L	ND < 16	ND < 8.2	ND < 0.41	ND < 4.1	ND < 1.6	ND < 20	ND < 20	ND < 20	ND < 8.2	ND < 20	ND < 16	ND < 20	ND < 16	ND < 0.41
Bromomethane	5	µg/L	ND < 53	ND < 26	ND < 1.3	ND < 13	ND < 5.3	ND < 66	ND < 66	ND < 66	ND < 26	ND < 66	ND < 53	ND < 66	ND < 53	ND < 1.3
2-Butanone (MEK)	50	µg/L	120	ND < 34	ND < 1.7	ND < 17	19	ND < 84	ND < 84	ND < 84	ND < 34	ND < 84	ND < 67	140	ND < 67	ND < 1.7
Carbon Disulfide	60	µg/L	ND < 62	ND < 31	ND < 1.6	ND < 16	ND < 6.2	ND < 78	ND < 78	ND < 78	ND < 31	ND < 78	ND < 62	ND < 78	ND < 62	ND < 1.6
Carbon Tetrachloride	5	µg/L	ND < 6.5	ND < 3.3	ND < 0.16	ND < 1.6	ND < 0.65	ND < 8.2	ND < 8.2	ND < 8.2	ND < 3.3	ND < 8.2	ND < 6.5	ND < 8.2	ND < 6.5	ND < 0.16
Chlorobenzene	5	µg/L	ND < 4.8	ND < 2.4	ND < 0.12	ND < 1.2	ND < 0.48	ND < 5.9	ND < 5.9	ND < 5.9	ND < 2.4	ND < 5.9	ND < 4.8	ND < 5.9	ND < 4.8	ND < 0.12
Chlorodibromomethane	50	µg/L	ND < 8.0	ND < 4.0	ND < 0.20	ND < 2.0	ND < 0.80	ND < 10	ND < 10	ND < 10	ND < 4.0	ND < 10	ND < 8.0	ND < 10	ND < 8.0	ND < 0.20
Chloroethane	5	µg/L	ND < 14	ND < 6.8	ND < 0.34	ND < 3.4	ND < 1.4	ND < 17	ND < 17	ND < 17	ND < 6.8	ND < 17	ND < 14	ND < 17	ND < 14	ND < 0.34
Chloroform	7	µg/L	ND < 5.6	ND < 2.8	ND < 0.14	ND < 1.4	ND < 0.56	ND < 7.0	ND < 7.0	ND < 7.0	ND < 2.8	ND < 7.0	ND < 5.6	ND < 7.0	ND < 5.6	ND < 0.14
Chloromethane	5	µg/L	ND < 20	ND < 10	ND < 0.50	ND < 5.0	ND < 2.0	ND < 25	ND < 25	ND < 25	ND < 10	ND < 25	ND < 20	ND < 25	ND < 20	ND < 0.50
Cyclohexane	NS	µg/L	ND < 71	ND < 35	ND < 1.8	ND < 18	ND < 7.1	ND < 88	ND < 88	ND < 88	ND < 35	ND < 88	ND < 71	ND < 88	ND < 71	ND < 1.8
1,2-Dibromo-3-chloropropane (DBCP)	0.04	µg/L	ND < 34	ND < 17	ND < 0.85	ND < 8.5	ND < 3.4	ND < 43	ND < 43	ND < 43	ND < 17	ND < 43	ND < 34	ND < 43	ND < 34	ND < 0.85
1,2-Dibromoethane (EDB)	0.0006	µg/L	ND < 6.4	ND < 3.2	ND < 0.16	ND < 1.6	ND < 0.64	ND < 8.0	ND < 8.0	ND < 8.0	ND < 3.2	ND < 8.0	ND < 6.4	ND < 8.0	ND < 6.4	ND < 0.16
1,2-Dichlorobenzene	3	µg/L	ND < 5.2	ND < 2.6	ND < 0.13	ND < 1.3	ND < 0.52	ND < 6.5	ND < 6.5	ND < 6.5	ND < 2.6	ND < 6.5	ND < 5.2	ND < 6.5	ND < 5.2	ND < 0.13
1,3-Dichlorobenzene	3	µg/L	ND < 5.5	ND < 2.7	ND < 0.14	ND < 1.4	ND < 0.55	ND < 6.8	ND < 6.8	ND < 6.8	ND < 2.7	ND < 6.8	ND < 5.5	ND < 6.8	ND < 5.5	ND < 0.14
1,4-Dichlorobenzene	3	µg/L	ND < 5.1	ND < 2.6	ND < 0.13	ND < 1.3	ND < 0.51	ND < 6.4	ND < 6.4	ND < 6.4	ND < 2.6	ND < 6.4	ND < 5.1	ND < 6.4	ND < 5.1	ND < 0.13
Dichlorodifluoromethane (Freon 12)	5	µg/L	ND < 6.4	ND < 3.2	ND < 0.16	ND < 1.6	ND < 0.64	ND < 8.0	ND < 8.0	ND < 8.0	ND < 3.2	ND < 8.0	ND < 6.4	ND < 8.0	ND < 6.4	ND < 0.16
1,1-Dichloroethane	5	µg/L	ND < 5.5	ND < 2.7	ND < 0.14	ND < 1.4	ND < 0.55	ND < 6.8	ND < 6.8	ND < 6.8	ND < 2.7	ND < 6.8	ND < 5.5	ND < 6.8	ND < 5.5	ND < 0.14
1,2-Dichloroethane	0.6	µg/L	ND < 12	ND < 6.1	ND < 0.30	ND < 3.0	ND < 1.2	ND < 15	ND < 15	ND < 15	ND < 6.1	ND < 15	ND < 12	ND < 15	ND < 12	ND < 0.30
1,1-Dichloroethylene	5	µg/L	15	4.2	ND < 0.14	ND < 1.4	0.60	ND < 7.0	ND < 7.0	ND < 7.0	ND < 2.8	ND < 7.0	ND < 5.6	ND < 7.0	ND < 5.6	ND < 0.14
cis-1,2-Dichloroethylene	5	µg/L	1,500	870	ND < 0.14	410	150	32	53	96	730	990	910	1,200	520	ND < 0.14
trans-1,2-Dichloroethylene	5	µg/L	16	15	ND < 0.17	ND < 1.7	1.2	ND < 8.6	ND < 8.6	ND < 8.6	ND < 3.4	ND < 8.6	ND < 6.9	ND < 8.6	ND < 6.9	ND < 0.17
1,2-Dichloropropane	1	µg/L	ND < 7.7	ND < 3.9	ND < 0.19	ND < 1.9	ND < 0.77	ND < 9.7	ND < 9.7	ND < 9.7	ND < 3.9	ND < 9.7	ND < 7.7	ND < 9.7	ND < 7.7	ND < 0.19
cis-1,3-Dichloropropene	0.4	µg/L	ND < 6.5	ND < 3.3	ND < 0.16	ND < 1.6	ND < 0.65	ND < 8.2	ND < 8.2	ND < 8.2	ND < 3.3	ND < 8.2	ND < 6.5	ND < 8.2	ND < 6.5	ND < 0.16
trans-1,3-Dichloropropene	0.4	µg/L	ND < 5.7	ND < 2.8	ND < 0.14	ND < 1.4	ND < 0.57	ND < 7.1	ND < 7.1	ND < 7.1	ND < 2.8	ND < 7.1	ND < 5.7	ND < 7.1	ND < 5.7	ND < 0.14
1,4-Dioxane	0.35	µg/L	ND < 720	ND < 360	ND < 18	ND < 180	ND < 72	ND < 900	ND < 900	ND < 900	ND < 360	ND < 900	ND < 720	ND < 900	ND < 720	ND < 18
Ethylbenzene	5	µg/L	ND < 8.8	ND < 4.4	ND < 0.22	ND < 2.2	ND < 0.88	ND < 11	ND < 11	ND < 11	ND < 4.4	ND < 11	ND < 8.8	ND < 11	ND < 8.8	ND < 0.22
2-Hexanone (MBK)	50	µg/L	ND < 48	ND < 24	ND < 1.2	ND < 12	ND < 4.8	ND < 60	ND < 60	ND < 60	ND < 24	ND < 60	ND < 48	ND < 60	ND < 48	ND < 1.2
Isopropylbenzene (Cumene)	5	µg/L	ND < 6.0	ND < 3.0	ND < 0.15	ND < 1.5	ND < 0.60	ND < 7.6	ND < 7.6	ND < 7.6	ND < 3.0	ND < 7.6	ND < 6.0	ND < 7.6	ND < 6.0	ND < 0.15
Methyl Acetate	NS	µg/L	ND < 24	ND < 12	ND < 0.61	ND < 6.1	ND < 2.4	ND < 30	ND < 30	ND < 30	ND < 12	ND < 30	ND < 24	ND < 30	ND < 24	ND < 0.61
Methyl tert-Butyl Ether (MTBE)	10	µg/L	ND < 6.8	ND < 3.4	ND < 0.17	ND < 1.7	ND < 0.68	ND < 8.5	ND < 8.5	ND < 8.5	ND < 3.4	ND < 8.5	ND < 6.8	ND < 8.5	ND < 6.8	ND < 0.17
Methyl Cyclohexane	NS	µg/L	ND < 6.2	ND < 3.1	ND < 0.16	ND < 1.6	ND < 0.62	ND < 7.8	ND < 7.8	ND < 7.8	ND < 3.1	ND < 7.8	ND < 6.2	ND < 7.8	ND < 6.2	ND < 0.16
Methylene Chloride	5	µg/L	ND < 7.1	ND < 3.5	ND < 0.18	ND < 1.8	ND < 0.71	ND < 8.8	ND < 8.8	ND < 8.8	ND < 3.5	ND < 8.8	ND < 7.1	ND < 8.8	ND < 7.1	ND < 0.18
4-Methyl-2-pentanone (MIBK)	NS	µg/L	ND < 53	ND < 26	ND < 1.3	ND < 13	ND < 5.3	ND < 66	ND < 66	ND < 66	ND < 26	ND < 66	ND < 53	ND < 66	ND < 53	ND < 1.3
Styrene	5	µg/L	ND < 6.0	ND < 3.0	ND < 0.15	ND < 1.5	ND < 0.60	ND < 7.5	ND < 7.5	ND < 7.5	ND < 3.0	ND < 7.5	ND < 6.0	ND < 7.5	ND < 6.0	ND < 0.15
1,1,2,2-Tetrachloroethane	5	µg/L	ND < 5.5	ND < 2.7	ND < 0.14	ND < 1.4	ND < 0.55	ND < 6.8	ND < 6.8	ND < 6.8	ND < 2.7	ND < 6.8	ND < 5.5	ND < 6.8	ND < 5.5	ND < 0.14
Tetrachloroethylene	5	µg/L	ND < 6.7	ND < 3.4	ND < 0.17	ND < 1.7	ND < 0.67	ND < 8.4	ND < 8.4	ND < 8.4	ND < 3.4	ND < 8.4	ND < 6.7	ND < 8.4	ND < 6.7	ND < 0.17
Toluene	5	µg/L	ND < 8.9	ND < 4.5	ND < 0.22	ND < 2.2	ND < 0.89	ND < 11	ND < 11	ND < 11	ND < 4.5	ND < 11	ND < 8.9	ND < 11	ND < 8.9	ND < 0.22
1,2,3-Trichlorobenzene	5	µg/L	ND < 14	ND < 6.8	ND < 0.34	ND < 3.4	ND < 1.4	ND < 17	ND < 17	ND < 17	ND < 6.8	ND < 17	ND < 14	ND < 17	ND < 14	ND < 0.34
1,2,4-Trichlorobenzene	5	µg/L	ND < 12	ND < 6.0	ND < 0.30	ND < 3.0	ND < 1.2	ND < 15	ND < 15	ND < 15	ND < 6.0	ND < 15	ND < 12	ND < 15	ND < 12	ND < 0.30
1,1,1-Trichloroethane	5	µg/L	ND < 6.0	ND < 3.0	ND < 0.15	ND < 1.5	ND < 0.60	ND < 7.5	ND < 7.5	ND < 7.5	ND < 3.0	ND < 7.5	ND < 6.0	ND < 7.5	ND < 6.0	ND < 0.15
1,1,2-Trichloroethane	1	µg/L	ND < 7.6	ND < 3.8	ND < 0.19	ND < 1.9	ND < 0.76	ND < 9.6	ND < 9.6	ND < 9.6	ND < 3.8	ND < 9.6	ND < 7.6	ND < 9.6	ND < 7.6	ND < 0.19
Trichloroethylene	5	µg/L	2,500	260	ND < 0.17	780	340	3,400	3,300	3,900	900	3,600	3,100	4,300	3,000	ND < 0.17
Trichlorofluoromethane (Freon 11)	5	µg/L	ND < 6.2	ND < 3.1	ND < 0.15	ND < 1.5	ND < 0.62	ND < 7.7	ND < 7.7	ND < 7.7	ND < 3.1	ND < 7.7	ND < 6.2	ND < 7.7	ND < 6.2	ND < 0.15
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	µg/L	ND < 8.3	ND < 4.2	ND < 0.21	ND < 2.1	ND < 0.83	ND < 10	ND < 10	ND < 10	ND < 4.2	ND < 10	ND < 8.3	ND < 10	ND < 8.3	ND < 0.21
Vinyl Chloride	2	µg/L	260	250	ND < 0.24	42	2.9	ND < 12	ND < 12	ND < 12	53	110	100	ND < 12	ND < 9.5	ND < 0.24
Xylenes (total)	5	µg/L	ND < 40	ND < 20	ND < 1.0	ND < 10	ND < 4.0	ND < 50	ND < 50	ND < 50	ND < 20	ND < 50	ND < 40	ND < 50	ND < 40	ND < 1.0

Notes:

µg/L = micrograms per liter

ft btoc = feet below top of casing

NYSDEC TOGS 1.1.1 GWQS = New York State Department of Environmental Conservation Technical and Operational Guidance Series 1.1.1 June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater.

values exceed the NYSDEC TOGS 1.1.1 GWQS.

Bold and Italicized values indicated reporting limit is higher than Groundwater Quality Standard

NA = Not Applicable

NS = No Standard

ND <# = Indicates compound was analyzed for, but not detected at or above the indicated reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

U = Compound was not detected at or above laboratory method detection limit (MDL)

No trip blank was provided for the fall 2023 sampling event, therefore, no data has been reported.



Table 4

Remedial System Operation Data 2023

Date	System Status on arrival (up/down)	System Status on departure (up/down)	System Sampled (Y/N)	Flow Rate (GPM)	Blower Vac (in./Hg)	KO Vac (in./Hg)	Vac Differential	Blower Discharge (PSI)	Blower Discharge Temp	Pump Pressure (PSI)	Bag 1 Pressure (PSI)	Bag 2 Pressure (PSI)	Stripper Pressure (PSI)	Stripper Flow (in./H2O)	Effluent pH	Bag Filters Changed
12/28/2022	Up*	Up*	No	4	-	-	-	-	-	-	-	-	2	18	6	No
1/5/2023	Up*	Up*	No	4	-	-	-	-	-	-	-	-	2	20	7	No
1/9/2023	Up*	Up*	No	4	-	-	-	-	-	-	-	-	1	20	6	No
1/13/2023	Up*	Up*	No	4	-	-	-	-	-	-	-	-	2	20	7	No
1/17/2023	Up*	Up*	No	4	-	-	-	-	-	-	-	-	2	19	6	No
1/23/2023	Up*	Up*	Yes	4	-	-	-	-	-	-	-	-	2	20	6	No
1/31/2023	Up*	Up	No	4	21	20	1.0	0	90	33	13	15	2	22	7	Yes
Pre-Transfer Pump Repair																
2/2/2023	Up	Up	No	11.1	21	20	1.0	0	100	36	16	19	2	23	6	Yes
2/7/2023	Up	Up	No	11.6	22	21	1.0	0	100	33	15	17	2	20	6	Yes
2/10/2023	Up	Up	No	10.9	22	21	1.0	0	101	41	26	28	2	20	7	Yes
2/15/2023	Up	Up	No	8.1	22	21	1.0	0	100	41	15	18	2	20	6	Yes
2/17/2023	Up	Up	No	7.7	22	21	1.0	0	99	4	15	17	2	20	7	Yes
2/21/2023	Up	Up	Yes	8.1	22	21	1.0	0	101	42	14	17	2	20	7	Yes
2/24/2023	Up	Up	No	9.3	22	21	1.0	0	100	44	18	21	2	20	7	Yes
2/27/2023	Up	Up	No	7.6	22	21	1.0	0	98	35	14	16	2	20	7	Yes
3/2/2023	Up	Up	No	7.3	22	21	1.0	0	99	39	15	17	2	19	7	Yes
3/6/2023	Up	Up	No	9.2	22	21	1.0	0	98	41	15	17	2	20	7	Yes
3/10/2023	Up	Up	No	7.1	22	21	1.0	0	89	46	17	20	2	20	7	Yes
3/14/2023	Up	Up	Yes	7.7	22	21	1.0	0	98	47	16	18	2	20	7	Yes
3/17/2023	Up	Up	No	7.7	22	21	1.0	0	98	47	18	20	2	20	7	Yes
3/21/2023	Up	Up	No	6.3	23	22	1.0	0	100	42	15	17	2	20	7	Yes
3/24/2023	Up	Up	No	6.7	22	21	1.0	0	100	46	15	16	2	17	7	Yes
3/28/2023	Up	Up	No	6.3	23	22	1.0	0	100	44	13	18	2	20	7	Yes
3/31/2023	Up	Up	No	5.5	22	21	1.0	0	100	47	15	17	2	17	7	Yes
4/4/2023	Up	Up	No	4.6	22	21	1.0	0	105	51	16	18	2	18	7	Yes
4/7/2023	Up	Up	No	6.2	23	22	1.0	0	104	52	17	15	2	17	7	Yes
4/11/2023	Up	Up	No	6.8	23	21	2.0	0	104	33	22	25	2	20	7	Yes
4/14/2023	Up	Up	No	5.8	23	21	2.0	0	115	32	20	22	2	16	7	Yes
4/18/2023	Down	Up	Yes	8.1	23	21	2.0	0	100	44	36	38	2	20	7	Yes
4/21/2023	Up	Up	No	5.6	23	22	1.0	0	115	33	22	24	2	17	7	Yes
4/25/2023	Up	Up	No	5.6	23	22	1.0	0	103	32	21	23	2	20	6	Yes
4/28/2023	Up	Up	No	5.4	23	22	1.0	0	105	32	19	21	2	17	7	Yes
5/3/2023	Up	Up	No	4.9	23	21	2.0	0	102	34	21	22	2	20	7	Yes
5/5/2023	Up	Up	No	5.4	23	21	2.0	0	100	32	19	21	2.5	19	7	Yes
5/12/2023	Up	Up	No	5.4	23	22	1.0	0	102	34	22	24	2	20	7	Yes
5/16/2023	Up	Up	Yes	5.1	23	22	1.0	0	104	37	22	24	2	20	6	Yes

Table 4

Remedial System Operation Data 2023

Date	System Status on arrival (up/down)	System Status on departure (up/down)	System Sampled (Y/N)	Flow Rate (GPM)	Blower Vac (in./Hg)	KO Vac (in./Hg)	Vac Differential	Blower Discharge (PSI)	Blower Discharge Temp	Pump Pressure (PSI)	Bag 1 Pressure (PSI)	Bag 2 Pressure (PSI)	Stripper Pressure (PSI)	Stripper Flow (in./H2O)	Effluent pH	Bag Filters Changed
5/19/2023	Up	Up	No	4.4	23	22	1.0	0	107	34	20	22	2.5	19	7	Yes
5/24/2023	Up	Up	No	4.9	23	22	1.0	0	104	37	22	25	2	20	7	Yes
5/30/2023	Down	Down	No	-	-	-	-	-	-	-	-	-	-	-	-	Yes
6/6/2023	Down	Up	No	6.4	23	22	1.0	0	98	42	32	36	2	20	7	Yes
6/8/2023	Up	Up	No	4.5	23	22	1.0	0	102	37	20	23	2	17	7	Yes
6/13/2023	Up	Up	Yes	4.6	23	22	1.0	0	104	38	24	26	2	20	6	Yes
6/16/2023	Up	Up	No	4.7	23	22	1.0	0	102	36	20	22	2	20	6	Yes
6/20/2023	Down	Up	No	4.5	23	22	1.0	0	102	32	14	16	2	19	7	Yes
6/23/2023	Up	Up	No	4.4	23	22	1.0	0	104	37	20	23	2	18	7	Yes
6/27/2023	Up	Down	No	3.2	23	22	1.0	0	98	41	25	27	2	19	7	No
6/29/2023	Down	Up	No	4	23	22	1.0	0	100	34	16	18	2	19	7	Yes
7/5/2023	Up	Up	No	0	23	22	1.0	0	115	45	27	28	2	17	8	Yes
7/11/2023	Up	Up	No	3.2	23	22	1.0	0	102	44	25	27	2	20	7	Yes
7/18/2023	Up	Up	Yes	2.7	22	21	1.0	0	104	51	29	31	2	20	7	Yes
7/21/2023	Up	Up	No	2.9	23	22	1.0	0	104	46	24	22	2	20	-	Yes
7/25/2023	Up	Up	No	4.1	23	22	1.0	0	102	37	25	27	2	20	7	Yes
7/28/2023	Up	Up	No	11.6	23	22	1.0	0	105	38	26	28	2	19	7	Yes
8/1/2023	Up	Up	No	11.9	23	22	2.0	0	103	42	28	31	2	19	7	Yes
8/4/2023	Up	Up	No	11.3	23	22	1.0	0	102	37	24	26	2	20	7	Yes
8/8/2023	Up	Up	Yes	11.6	23	22	1.0	0	103	48	28	31	2	20	7	Yes
8/11/2023	Up	Up	No	11.3	23	22	1.0	0	103	37	23	25	2	20	7	Yes
8/15/2023	Up	Up	No	11.1	23	22	1.0	0	102	43	28	31	2	20	7	Yes
8/18/2023	Up	Up	No	11.1	23	22	1.0	0	101	38	23	25	2	19	7	Yes
8/22/2023	Up	Up	No	10.6	23	22	1.0	0	102	43	27	29	2	20	7	Yes
8/25/2023	Up	Up	No	10.9	23	22	1.0	0	103	38	23	25	2	20	7	Yes
8/29/2023	Up	Up	No	9.6	23	22	1.0	0	102	43	26	28	2	20	7	Yes
9/1/2023	Up	Up	No	9.8	23	22	1.0	0	100	40	26	29	2	20	7	Yes
9/6/2023	Down	Up	Yes	9.8	23	21	1.5	0	114	43	26	28	2	18	7	Yes
9/12/2023	Up	Up	No	9.1	23	22	1.0	0	102	45	28	30	2	20	7	Yes
9/15/2023	Up	Up	No	8	23	22	1.0	0	105	44	28	29	2	18.5	7	Yes
9/19/2023	Up	Up	No	8.4	23	22	1.0	0	100	44	27	30	2	18	7	Yes
9/22/2023	Up	Up	No	8.2	23	22	1.0	0	105	35	24	26	2	18	7	Yes
9/26/2023	Up	Up	No	8.3	23	22	1.0	0	100	44	29	31	2	19	7	Yes
9/29/2023	Down	Up*	No	5.1	-	-	-	-	-	-	-	-	-	-	-	No
10/3/2023	Up*	Up*	No	4.7	-	-	-	-	-	-	-	-	2	17	7	No
10/6/2023	Up*	Up	No	8.5	23	23	1.0	0	100	32	17	20	2	19	7	Yes
10/10/2023	Up	Up	No	9.1	23	22	1.0	0	100	32	20	23	2	20	7	Yes



Table 4

Remedial System Operation Data 2023

Date	System Status on arrival (up/down)	System Status on departure (up/down)	System Sampled (Y/N)	Flow Rate (GPM)	Blower Vac (in./Hg)	KO Vac (in./Hg)	Vac Differential	Blower Discharge (PSI)	Blower Discharge Temp	Pump Pressure (PSI)	Bag 1 Pressure (PSI)	Bag 2 Pressure (PSI)	Stripper Pressure (PSI)	Stripper Flow (in./H2O)	Effluent pH	Bag Filters Changed
10/12/2023	Up	Up	Yes	8.9	23	22	1.0	0	100	33	21	23	2	20	7	Yes
10/17/2023	Up	Up	No	8.6	23	22	1.0	0	100	36	24	26	2	20	7	Yes
10/20/2023	Up	Up	No	8.4	23	22	1.0	0	100	35	23	25	2	18	7	Yes
10/23/2023	Up	Up	No	8.1	23	22	1.0	0	101	36	23	25	2	18	7	Yes
10/27/2023	Up	Up	No	8.2	23	22	1.0	0	102	42	27	29	2	19	7	Yes
10/31/2023	Up	Up	No	8.3	23	22	1.0	0	100	32	2	22	2	18	7	Yes
11/3/2023	Up	Up	No	8.5	23	22	1.0	0	102	33	21	23	2	20	7	Yes
11/7/2023	Up	Up	No	7.7	23	22	1.0	0	100	31	20	22	2	19	7	Yes
11/10/2023	Up	Up	No	7.6	23	22	1.0	0	100	39	26	28	2	19	7	Yes
11/14/2023	Up	Up	Yes	6.6	23	22	1.0	0	100	37	23	25	2	20	7	Yes
11/17/2023	Up	Up	No	6.3	23	22	1.0	0	100	37	23	25	2	20	7	Yes
11/21/2023	Up	Up	No	5.5	23	22	1.0	0	95	38	23	25	2.5	17	7	Yes
11/28/2023	Up	Up	No	4.4	23	22	1.0	0	100	42	29	31	2	20	7	Yes
12/1/2023	Up	Up	No	10.1	23	22	1.0	0	101	35	22	24	2	20	7	Yes
12/5/2023	Up	Up	No	11	23	22	1.0	0	100	37	24	26	2	19	7	Yes
12/8/2023	Up	Up	No	9.3	23	22	1.0	0	100	35	22	24	2	20	7	Yes
12/12/2023	Up	Up	No	8.5	23	22	1.0	0	95	40	25	26	2.5	17	7	Yes
12/15/2023	Up	Up	No	8.4	23	22	1.0	0	101	36	22	24	2	20	7	Yes
12/19/2023	Up	Up	No	7.9	23	22	1.0	0	98	31	23	25	2	20	7	Yes
12/22/2023	Up	Up	No	6.4	23	22	1.0	0	95	36	20	21	2.5	18	7	Yes
12/27/2023	Up	Up	No	5.6	23	22	1.0	0	100	37	22	23	2.5	18	7	Yes
12/29/2023	Up	Up	No	5.8	23	22	1.0	0	95	38	21	23	2.5	18	7	Yes
Post Transfer Pump Repair																
System Total																

Notes:

* - Only Air Stripper and Bedding Pump are online. Extraction wells offline.

CE - Critical Equipment

GPM - Gallons per minute

GWE - Groundwater Extraction

in/Hg - inches of mercury

KO - Knock out tank

OWS - Oil-Water separator

psi - pounds per square inch

TPE - Total Phase Extraction



Table 4

Remedial System Operation Data 2023

Date	Transfer Pump Hourmeter	Total hours since last visit	Periodic Uptime	TPE Blower Hourmeter	Total hours since last visit	Periodic Uptime	Bedding Pump Hourmeter	Total hours since last visit	Periodic Uptime	Stripper Blower Hourmeter	Total hours since last visit	Periodic Uptime
12/28/2022	864.9	864.9	0.00%	4,676.20	0.0	0.00%	7,511.3	0.0	0.00%	7,856.70	0.0	0.00%
1/5/2023	864.9	0.0	0.00%	4,676.20	0.0	0.00%	7,553.7	42.4	22.08%	8,052.80	196.1	102.14%
1/9/2023	864.9	0.0	0.00%	4,676.20	0.0	0.00%	7,576.7	23.0	23.96%	8,147.60	94.8	98.75%
1/13/2023	864.9	0.0	0.00%	4,676.20	0.0	0.00%	7,598.7	22.0	22.92%	8,243.20	95.6	99.58%
1/17/2023	864.9	0.0	0.00%	4,676.20	0.0	0.00%	7,620.8	22.1	23.02%	8,337.10	93.9	97.81%
1/23/2023	864.9	0.0	0.00%	4,676.20	0.0	0.00%	7,667.0	46.2	32.08%	8,480.10	143.0	99.31%
1/31/2023	864.9	0.0	0.00%	4,676.20	0.0	0.00%	7,709.9	42.9	22.34%	8,643.70	163.6	85.21%
Pre-Transfer Pump Repair		0.0	0.00%		0.0	0.00%		198.6	24.34%		787.0	96.45%
2/2/2023	878.7	13.8	28.75%	4,723.00	46.8	97.50%	7,721.0	11.1	23.13%	8,692.20	48.5	5.94%
2/7/2023	910.3	31.6	26.33%	4,843.60	120.6	100.50%	7,742.6	21.6	18.00%	8,815.80	123.6	103.00%
2/10/2023	928.8	18.5	25.69%	4,912.10	68.5	95.14%	7,754.8	12.2	16.94%	8,884.00	68.2	94.72%
2/15/2023	961	32.2	26.83%	5,030.30	118.2	98.50%	7,775.0	20.2	16.83%	9,001.70	117.7	98.08%
2/17/2023	973.6	12.6	26.25%	5,079.50	49.2	102.50%	7,781.2	6.2	12.92%	9,050.70	49.0	102.08%
2/21/2023	996.8	23.2	24.17%	5,174.80	95.3	99.27%	7,792.4	11.2	11.67%	9,147.60	96.9	100.94%
2/24/2023	1,013.30	16.5	22.92%	5,245.90	71.1	98.75%	7,806.1	13.7	19.03%	9,216.30	68.7	95.42%
2/27/2023	1,032.80	19.5	27.08%	5,316.50	70.6	98.06%	7,819.0	12.9	17.92%	9,288.60	72.3	100.42%
3/2/2023	1,050.50	17.7	24.58%	5,387.10	70.6	98.06%	7,834.5	15.5	21.53%	9,358.90	70.3	97.64%
3/6/2023	1,084.80	34.3	35.73%	5,484.80	97.7	101.77%	7,850.8	16.3	16.98%	9,466.10	107.2	111.67%
3/10/2023	1,118.80	34.0	35.42%	5,581.50	96.7	100.73%	7,863.4	12.6	13.12%	9,552.30	86.2	89.79%
3/14/2023	1,150.60	31.8	33.13%	5,673.90	92.4	96.25%	7,876.3	12.9	13.44%	9,646.40	94.1	98.02%
3/17/2023	1,175.40	24.8	34.44%	5,745.40	71.5	99.31%	7,884.0	7.7	10.69%	9,717.70	71.3	99.03%
3/21/2023	1,211.00	35.6	37.08%	5,840.10	94.7	98.65%	7,902.6	18.6	19.38%	9,811.90	94.2	98.12%
3/24/2023	1,238.00	27.0	37.50%	5,914.00	73.9	102.64%	7,910.0	7.4	10.28%	9,885.00	73.1	101.53%
3/28/2023	1,273.10	35.1	36.56%	6,009.30	95.3	99.27%	7,926.0	16.0	16.67%	9,980.20	95.2	99.17%
3/31/2023	1,300.40	27.3	37.92%	6,083.40	74.1	102.92%	7,936.3	10.3	14.31%	10,054.00	73.8	102.50%
4/4/2023	1,336.20	35.8	37.29%	6,178.10	94.7	98.65%	7,956.4	20.1	20.94%	10,148.20	94.2	98.13%
4/7/2023	1,364.00	27.8	38.61%	6,252.30	74.2	103.06%	7,967.2	10.8	15.00%	10,222.10	73.9	102.64%
4/11/2023	1,395.60	31.6	32.92%	6,344.80	92.5	96.35%	7,976.2	9.0	9.38%	10,314.30	92.2	96.04%
4/14/2023	1,419.10	23.5	32.64%	6,415.00	70.2	97.50%	7,981.8	5.6	7.78%	10,387.00	72.7	100.97%
4/18/2023	1,439.80	20.7	21.56%	6,481.30	66.3	69.06%	7,985.5	3.7	3.85%	10,453.10	66.1	68.85%
4/21/2023	1,464.70	24.9	34.58%	6,557.60	76.3	105.97%	7,992.7	7.2	10.00%	10,529.00	75.9	105.42%
4/25/2023	1,494.40	29.7	30.94%	6,653.50	95.9	99.90%	7,998.2	5.5	5.73%	10,624.40	95.4	99.37%
4/28/2023	1,515.30	20.9	29.03%	6,722.90	69.4	96.39%	8,001.3	3.1	4.31%	10,693.50	69.1	95.97%
5/3/2023	1,549.00	33.7	28.08%	6,842.20	119.3	99.42%	8,010.0	8.7	7.25%	10,812.20	118.7	98.92%
5/5/2023	1,563.80	14.8	30.83%	6,887.70	45.5	94.79%	8,016.2	6.2	12.92%	10,857.50	45.3	94.37%
5/12/2023	1,613.20	49.4	29.40%	7,054.90	167.2	99.52%	8,026.3	10.1	6.01%	11,023.90	166.4	99.05%
5/16/2023	1,642.40	29.2	30.42%	7,148.60	93.7	97.60%	8,029.8	3.5	3.65%	11,120.00	96.1	100.10%



Table 4

Remedial System Operation Data 2023

Date	Transfer Pump Hourmeter	Total hours since last visit	Periodic Uptime	TPE Blower Hourmeter	Total hours since last visit	Periodic Uptime	Bedding Pump Hourmeter	Total hours since last visit	Periodic Uptime	Stripper Blower Hourmeter	Total hours since last visit	Periodic Uptime
5/19/2023	1,662.60	20.2	28.06%	7219.9	71.3	99.03%	8,031.6	1.8	2.50%	11,191.00	71.0	98.61%
5/24/2023	1,697.60	35.0	29.17%	7342.6	122.7	102.25%	8,035.3	3.7	3.08%	11,313.10	122.1	101.75%
5/30/2023	1,732.80	35.2	24.44%	7469.4	126.8	88.06%	8,037.9	2.6	1.81%	11,439.40	126.3	87.71%
6/6/2023	1,733.40	0.6	0.36%	7470.9	1.5	0.89%	8,038.6	0.7	0.42%	11,441.30	1.9	1.13%
6/8/2023	1,749.00	15.6	32.50%	7518.3	47.4	98.75%	8,040.8	2.2	4.58%	11,488.40	47.1	98.13%
6/13/2023	1,784.30	35.3	29.42%	7635.7	117.4	97.83%	8,042.8	2.0	1.67%	11,607.40	119.0	99.17%
6/16/2023	1,805.20	20.9	29.03%	7709.1	73.4	101.94%	8,044.3	1.5	2.08%	11,680.50	73.1	101.53%
6/20/2023	1,829.40	24.2	25.21%	7787.7	78.6	81.87%	8,045.4	1.1	1.15%	11,759.00	78.5	81.77%
6/23/2023	1,852.10	22.7	31.53%	7862.4	74.7	103.75%	8,047.6	2.2	3.06%	11,833.30	74.3	103.19%
6/27/2023	1,880.10	28.0	29.17%	7955	92.6	96.46%	8,053.7	6.1	6.35%	11,925.40	92.1	95.94%
6/29/2023	1,880.70	0.6	1.25%	7956.5	1.5	3.13%	8,055.0	1.3	2.71%	11,927.00	1.6	3.33%
7/5/2023	1,929.80	49.1	34.10%	8104.4	147.9	102.71%	8,064.6	9.6	6.67%	12,074.00	147.0	102.08%
7/11/2023	1,967.20	37.4	25.97%	8204.5	100.1	69.51%	8,070.3	5.7	3.96%	12,173.90	99.9	69.37%
7/18/2023	2,015.50	48.3	28.75%	8369.5	165.0	98.21%	8,070.3	0.0	0.00%	12,340.80	166.9	99.35%
7/21/2023	2,036.30	20.8	28.89%	8440.5	71.0	98.61%	8,076.6	6.3	8.75%	12,411.70	70.9	98.47%
7/25/2023	2,074.90	38.6	40.21%	8536.7	96.2	100.21%	8,080.9	4.3	4.48%	12,508.00	96.3	100.31%
7/28/2023	2,101.50	26.6	36.94%	8606.6	69.9	97.08%	8,084.0	3.1	4.31%	12,578.00	70.0	97.22%
8/1/2023	2,139.30	37.8	39.38%	8703.1	96.5	100.52%	8,087.9	3.9	4.06%	12,674.70	96.7	100.73%
8/4/2023	2,163.70	24.4	33.89%	8771.6	68.5	95.14%	8,089.6	1.7	2.36%	12,743.10	68.4	95.00%
8/8/2023	2,198.50	34.8	36.25%	8865.9	94.3	98.23%	8,092.0	2.4	2.50%	12,841.10	98.0	102.08%
8/11/2023	2,221.70	23.2	32.22%	8935.1	69.2	96.11%	8,093.7	1.7	2.36%	12,910.20	69.1	95.97%
8/15/2023	2,267.60	45.9	47.81%	9033.6	98.5	102.60%	8,096.1	2.4	2.50%	13,008.30	98.1	102.19%
8/18/2023	2,282.70	15.1	20.97%	9105.2	71.6	99.44%	8,097.9	1.8	2.50%	13,080.40	72.1	100.14%
8/22/2023	2,316.10	33.4	34.79%	9198.1	92.9	96.77%	8,100.2	2.3	2.40%	13,174.00	93.6	97.50%
8/25/2023	2,345.30	29.2	40.56%	9271.6	73.5	43.75%	8,102.0	1.8	1.07%	13,246.80	72.8	101.11%
8/29/2023	2,384.60	39.3	40.94%	9366.9	95.3	56.73%	8,104.7	2.7	1.61%	13,342.20	95.4	99.38%
9/1/2023	2,411.70	27.1	37.64%	9438.5	71.6	99.44%	8,106.3	1.6	2.22%	13,413.80	71.6	99.44%
9/6/2023	2,431.60	19.9	16.58%	9487.8	49.3	41.08%	8,107.4	1.1	0.92%	13,466.60	52.8	44.00%
9/12/2023	2,487.60	56.0	38.89%	9629.6	141.8	98.47%	8,110.7	3.3	2.29%	13,608.80	142.2	98.75%
9/15/2023	2,518.80	31.2	43.33%	9700.9	71.3	99.03%	8,112.1	1.4	1.94%	13,682.80	74.0	102.78%
9/19/2023	2,557.50	38.7	40.31%	9794	93.1	96.98%	8,113.5	1.4	1.46%	13,776.80	94.0	97.92%
9/22/2023	2,587.70	30.2	17.98%	9868.9	74.9	44.58%	8,114.6	1.1	0.65%	13,850.80	74.0	44.05%
9/26/2023	2,624.60	36.9	21.96%	9961.2	92.3	54.94%	8,115.8	1.2	0.71%	13,943.10	92.3	54.94%
9/29/2023	2,633.50	8.9	12.36%	9984.5	23.3	32.36%	8,116.1	0.3	0.42%	13,966.70	23.6	32.78%
10/3/2023	2,633.50	0.0	0.00%	9984.5	0.0	0.00%	8,117.8	1.7	1.77%	14,059.20	92.5	96.35%
10/6/2023	2,633.50	0.0	0.00%	9984.5	0.0	0.00%	8,118.9	1.1	1.53%	14,132.90	73.7	102.36%
10/10/2023	2,671.70	38.2	39.79%	10075.5	91.0	94.79%	8,125.9	7.0	7.29%	14,226.20	93.3	97.19%



Table 4

Remedial System Operation Data 2023

Date	Transfer Pump Hourmeter	Total hours since last visit	Periodic Uptime	TPE Blower Hourmeter	Total hours since last visit	Periodic Uptime	Bedding Pump Hourmeter	Total hours since last visit	Periodic Uptime	Stripper Blower Hourmeter	Total hours since last visit	Periodic Uptime
10/12/2023	2,689.60	17.9	37.29%	10119.1	43.6	90.83%	8,127.4	1.5	3.13%	14,272.60	46.4	96.67%
10/17/2023	2,736.50	46.9	39.08%	10240.2	121.1	100.92%	8,130.9	3.5	2.92%	14,393.60	121.0	100.83%
10/20/2023	2,763.70	27.2	37.78%	10311.1	70.9	98.47%	8,132.8	1.9	2.64%	14,464.60	71.0	98.61%
10/23/2023	2,792.00	28.3	39.31%	10384.8	73.7	102.36%	8,136.3	3.5	4.86%	14,538.40	73.8	102.50%
10/27/2023	2,829.20	37.2	38.75%	10479.2	94.4	98.33%	8,139.5	3.2	3.33%	14,632.70	94.3	98.23%
10/31/2023	2,867.80	38.6	40.21%	10571.1	91.9	95.73%	8,144.2	4.7	4.90%	14,725.40	92.7	96.56%
11/3/2023	2,897.70	29.9	41.53%	10642.8	71.7	99.58%	8,147.4	3.2	4.44%	14,797.20	71.8	99.72%
11/7/2023	2,936.40	38.7	40.31%	10742.4	99.6	103.75%	8,150.5	3.1	3.23%	14,896.70	99.5	103.65%
11/10/2023	2,961.90	25.5	35.42%	10810.7	68.3	94.86%	8,152.3	1.8	2.50%	14,965.00	68.3	94.86%
11/14/2023	2,998.90	37.0	38.54%	10901	90.3	94.06%	8,154.5	2.2	2.29%	15,069.20	104.2	108.54%
11/17/2023	3,026.60	27.7	38.47%	10974.3	73.3	101.81%	8,156.0	1.5	2.08%	15,132.60	63.4	88.06%
11/21/2023	3,068.00	41.4	43.13%	11071.4	97.1	101.15%	8,159.0	3.0	3.13%	15,229.70	97.1	101.15%
11/28/2023	3,138.50	70.5	41.96%	11238.7	167.3	99.58%	8,164.6	5.6	3.33%	15,394.00	164.3	97.80%
12/1/2023	3,168.50	30.0	41.67%	11309.4	70.7	98.19%	8,166.7	2.1	2.92%	15,467.60	73.6	102.22%
12/5/2023	3,210.40	41.9	43.65%	11406.5	97.1	101.15%	8,170.8	4.1	4.27%	15,564.70	97.1	101.15%
12/8/2023	3,241.40	31.0	43.06%	11476.1	69.6	96.67%	8,173.8	3.0	4.17%	15,634.30	69.6	96.67%
12/12/2023	3,285.60	44.2	46.04%	11570.4	94.3	98.23%	8,179.3	5.5	5.73%	15,731.10	96.8	100.83%
12/15/2023	3,316.40	30.8	42.78%	11638.5	68.1	94.58%	8,182.5	3.2	4.44%	15,799.30	68.2	94.72%
12/19/2023	3,359.70	43.3	45.10%	11736.6	98.1	102.19%	8,187.0	4.5	4.69%	15,897.00	97.7	101.77%
12/22/2023	3,391.30	31.6	43.89%	11805.6	69.0	95.83%	8,190.2	3.2	4.44%	15,966.40	69.4	96.39%
12/27/2023	3,447.70	56.4	47.00%	11928.2	122.6	102.17%	8,195.1	4.9	4.08%	16,088.90	122.5	102.08%
12/29/2023	3,467.60	19.9	41.46%	11972.9	44.7	93.12%	8,200.0	4.9	10.21%	16,133.70	44.8	93.33%
Post Transfer Pump Repair		<u>2,602.7</u>	<u>32.66%</u>		<u>7,296.7</u>	<u>91.58%</u>		<u>490.1</u>	<u>6.15%</u>		<u>7,490.0</u>	<u>94.00%</u>
System Total		<u>2,602.7</u>	<u>29.63%</u>		<u>7,296.7</u>	<u>83.07%</u>		<u>688.7</u>	<u>7.84%</u>		<u>8,277.0</u>	<u>94.23%</u>

Notes:

* - Only Air Stripper and Bedding Pump are online. Extraction wells offline.

CE - Critical Equipment

GPM - Gallons per minute

GWE - Groundwater Extraction

in/Hg - inches of mercury

KO - Knock out tank

OWS - Oil-Water separator

psi - pounds per square inch

TPE - Total Phase Extraction

Table 4
Remedial System Operation Data 2023

Date	OWS Totalizer	Total Discharge	Calculated GPM	Skid Totalizer	Total Discharge	Calculated Influent GPM	Calculated TP/Air Stripper GPM	Flowmeter Discharge Difference	CE Checks?
	Gallons	Gallons		Gallons	Gallons				
12/28/2022	326,079.00	0.00	0.0	-	0.0	0.0	0.0	0	No
1/5/2023	346,488.00	20,409.00	8.0	-	0.0	0.0	0.0	20,409	No
1/9/2023	357,646.00	11,158.00	8.1	-	0.0	0.0	0.0	11,158	No
1/13/2023	368,627.00	10,981.00	8.3	-	0.0	0.0	0.0	10,981	No
1/17/2023	379,211.00	10,584.00	8.0	-	0.0	0.0	0.0	10,584	No
1/23/2023	396,623.00	17,412.00	6.3	-	0.0	0.0	0.0	17,412	No
1/31/2023	423,687.00	27,064.00	10.5	1,465,857.00	0.0	0.0	0.0	27,064	No
Pre-Transfer Pump Repair		97,608.00	2.0		0.0	0.0	0.0	97,608	
2/2/2023	429,679.00	5,992.00	9.0	1,488,154.00	22,297.0	7.7	26.9	-16,305	No
2/7/2023	440,503.00	10,824.00	8.4	1,544,635.00	56,481.0	7.8	29.8	-45,657	No
2/10/2023	446,852.00	6,349.00	8.7	1,576,266.00	31,631.0	7.3	28.5	-25,282	No
2/15/2023	457,315.00	10,463.00	8.6	1,633,529.00	57,263.0	8.0	29.6	-46,800	No
2/17/2023	460,603.00	3,288.00	8.8	1,656,204.00	22,675.0	7.9	30.0	-19,387	No
2/21/2023	466,790.00	6,187.00	9.2	1,698,377.00	42,173.0	7.3	30.3	-35,986	No
2/24/2023	470,411.00	3,621.00	4.4	1,729,655.00	31,278.0	7.2	31.6	-27,657	No
2/27/2023	480,839.00	10,428.00	13.5	1,763,048.00	33,393.0	7.7	28.5	-22,965	No
3/2/2023	489,042.00	8,203.00	8.8	1,795,882.00	32,834.0	7.8	30.9	-24,631	No
3/6/2023	497,422.00	8,380.00	8.6	1,858,626.00	62,744.0	9.8	30.5	-54,364	No
3/10/2023	504,025.00	6,603.00	8.7	1,922,921.00	64,295.0	12.4	31.5	-57,692	No
3/14/2023	510,985.00	6,960.00	9.0	1,979,111.00	56,190.0	10.0	29.4	-49,230	No
3/17/2023	515,068.00	4,083.00	8.8	2,024,754.00	45,643.0	10.7	30.7	-41,560	No
3/21/2023	524,646.00	9,578.00	8.6	2,099,729.00	74,975.0	13.3	35.1	-65,397	No
3/24/2023	528,805.00	4,159.00	9.4	2,139,133.00	39,404.0	9.0	24.3	-35,245	No
3/28/2023	537,364.00	8,559.00	8.9	2,203,326.00	64,193.0	11.2	30.5	-55,634	No
3/31/2023	543,061.00	5,697.00	9.2	2,253,783.00	50,457.0	11.4	30.8	-44,760	No
4/4/2023	554,122.00	11,061.00	9.2	2,318,971.00	65,188.0	11.5	30.3	-54,127	No
4/7/2023	560,149.00	6,027.00	9.3	2,369,023.00	50,052.0	11.3	30.0	-44,025	Yes
4/11/2023	565,108.00	4,959.00	9.2	2,438,116.00	69,093.0	12.5	36.4	-64,134	No
4/14/2023	568,174.00	3,066.00	9.1	2,490,780.00	52,664.0	12.1	37.4	-49,598	No
4/18/2023	570,110.00	1,936.00	8.7	2,538,552.00	47,772.0	12.0	38.5	-45,836	No
4/21/2023	574,017.00	3,907.00	9.0	2,596,183.00	57,631.0	12.7	38.6	-53,724	No
4/25/2023	577,000.00	2,983.00	9.0	2,667,394.00	71,211.0	12.4	40.0	-68,228	No
4/28/2023	578,758.00	1,758.00	9.5	2,718,278.00	50,884.0	12.3	40.6	-49,126	No
5/3/2023	584,061.00	5,303.00	10.2	2,801,598.00	83,320.0	11.7	41.2	-78,017	No
5/5/2023	587,831.00	3,770.00	10.1	2,836,151.00	34,553.0	12.7	38.9	-30,783	No
5/12/2023	593,809.00	5,978.00	9.9	2,958,009.00	121,858.0	12.2	41.1	-115,880	No
5/16/2023	595,968.00	2,159.00	10.3	3,027,560.00	69,551.0	12.1	39.7	-67,392	No

Table 4

Remedial System Operation Data 2023

Date	OWS Totalizer	Total Discharge	Calculated GPM	Skid Totalizer	Total Discharge	Calculated Influent GPM	Calculated TP/Air Stripper GPM	Flowmeter Discharge Difference	CE Checks?
	Gallons	Gallons		Gallons	Gallons				
5/19/2023	597,084.00	1,116.00	10.3	3,077,733.00	50,173.0	11.8	41.4	-49,057	No
5/24/2023	599,275.00	2,191.00	9.9	3,163,879.00	86,146.0	11.8	41.0	-83,955	No
5/30/2023	600,992.00	1,717.00	11.0	3,250,509.00	86,630.0	11.4	41.0	-84,913	No
6/6/2023	600,992.00	0.00	0.0	3,250,509.00	0.0	0.0	0.0	0	No
6/8/2023	602,690.00	1,698.00	12.9	3,291,802.00	41,293.0	14.6	44.1	-39,595	Yes
6/13/2023	603,808.00	1,118.00	9.3	3,379,769.00	87,967.0	12.3	41.5	-86,849	No
6/16/2023	604,786.00	978.00	10.9	3,432,608.00	52,839.0	12.0	42.1	-51,861	No
6/20/2023	605,385.00	599.00	9.1	3,495,528.00	62,920.0	13.4	43.3	-62,321	No
6/23/2023	606,894.00	1,509.00	11.4	3,554,177.00	58,649.0	13.2	43.1	-57,140	No
6/27/2023	610,774.00	3,880.00	10.6	3,626,103.00	71,926.0	13.0	42.8	-68,046	No
6/29/2023	610,774.00	0.00	0.0	3,626,103.00	0.0	0.0	0.0	0	No
7/5/2023	618,037.00	7,263.00	12.6	3,751,870.00	125,767.0	14.3	42.7	-118,504	No
7/11/2023	621,857.00	3,820.00	11.2	3,844,102.00	92,232.0	15.4	41.1	-88,412	No
7/18/2023	621,857.00	0.00	0.0	3,967,300.00	123,198.0	12.3	42.5	-123,198	No
7/21/2023	626,292.00	4,435.00	11.7	4,022,524.00	55,224.0	13.0	44.3	-50,789	No
7/25/2023	629,159.00	2,867.00	11.1	4,116,948.00	94,424.0	16.3	40.8	-91,557	No
7/28/2023	631,252.00	2,093.00	11.3	4,179,360.00	62,412.0	14.9	39.1	-60,319	No
8/1/2023	633,765.00	2,513.00	10.7	4,266,375.00	87,015.0	15.0	38.4	-84,502	No
8/4/2023	635,204.00	1,439.00	14.1	4,323,477.00	57,102.0	13.9	39.0	-55,663	No
8/8/2023	636,943.00	1,739.00	12.1	4,402,298.00	78,821.0	13.4	37.7	-77,082	No
8/11/2023	638,212.00	1,269.00	12.4	4,459,819.00	57,521.0	13.9	41.3	-56,252	No
8/15/2023	640,097.00	1,885.00	13.1	4,541,056.00	81,237.0	13.8	29.5	-79,352	No
8/18/2023	641,382.00	1,285.00	11.9	4,600,456.00	59,400.0	13.7	65.6	-58,115	No
8/22/2023	643,050.00	1,668.00	12.1	4,678,952.00	78,496.0	14.0	39.2	-76,828	No
8/25/2023	644,375.00	1,325.00	12.3	4,748,652.00	69,700.0	16.0	39.8	-68,375	Yes
8/29/2023	646,437.00	2,062.00	12.7	4,840,276.00	91,624.0	16.0	38.9	-89,562	No
9/1/2023	647,654.00	1,217.00	0.3	4,906,288.00	66,012.0	15.3	40.6	-64,795	No
9/6/2023	648,568.00	914.00	0.1	4,953,433.00	47,145.0	6.5	39.5	-46,231	No
9/12/2023	650,857.00	2,289.00	0.3	5,063,084.00	109,651.0	12.7	32.6	-107,362	No
9/15/2023	651,913.00	1,056.00	0.2	5,153,559.00	90,475.0	20.9	48.3	-89,419	No
9/19/2023	652,962.00	1,049.00	0.2	5,239,652.00	86,093.0	14.9	37.1	-85,044	No
9/22/2023	653,734.00	772.00	0.2	5,307,675.00	68,023.0	15.7	37.5	-67,251	No
9/26/2023	654,562.00	828.00	0.1	5,389,740.00	82,065.0	14.2	37.1	-81,237	No
9/29/2023	654,805.00	243.00	0.1	5,410,411.00	20,671.0	4.8	38.7	-20,428	No
10/3/2023	656,135.00	1,330.00	0.2	5,410,411.00	0.0	0.0	0.0	1,330	No
10/6/2023	657,959.00	1,824.00	0.4	5,410,411.00	0.0	0.0	0.0	1,824	No
10/10/2023	662,039.00	4,080.00	0.7	5,499,702.00	89,291.0	15.5	39.0	-85,211	No



Table 4

Remedial System Operation Data 2023

Date	OWS Totalizer	Total Discharge	Calculated GPM	Skid Totalizer	Total Discharge	Calculated Influent GPM	Calculated TP/Air Stripper GPM	Flowmeter Discharge Difference	CE Checks?
	Gallons	Gallons		Gallons	Gallons				
10/12/2023	663,139.00	1,100.00	0.4	5,543,943.00	44,241.0	15.4	41.2	-43,141	No
10/17/2023	665,720.00	2,581.00	0.4	5,655,210.00	111,267.0	15.5	39.5	-108,686	No
10/20/2023	667,109.00	1,389.00	0.3	5,721,896.00	66,686.0	15.4	40.9	-65,297	No
10/23/2023	669,748.00	2,639.00	0.6	5,788,594.00	66,698.0	15.4	39.3	-64,059	No
10/27/2023	672,195.00	2,447.00	0.4	5,877,224.00	88,630.0	15.4	39.7	-86,183	No
10/31/2023	675,570.00	3,375.00	0.6	5,967,527.00	90,303.0	15.7	39.0	-86,928	No
11/3/2023	677,448.00	1,878.00	0.4	6,039,011.00	71,484.0	16.5	39.8	-69,606	No
11/7/2023	680,179.00	2,731.00	0.5	6,135,071.00	96,060.0	16.7	41.4	-93,329	No
11/10/2023	681,589.00	1,410.00	0.3	6,198,723.00	63,652.0	14.7	41.6	-62,242	No
11/14/2023	683,133.00	1,544.00	0.3	6,288,995.00	90,272.0	15.7	40.7	-88,728	No
11/17/2023	684,261.00	1,128.00	0.3	6,358,953.00	69,958.0	16.2	42.1	-68,830	Yes
11/21/2023	686,438.00	2,177.00	0.4	6,458,213.00	99,260.0	17.2	40.0	-97,083	No
11/28/2023	690,512.00	4,074.00	0.4	6,624,270.00	166,057.0	16.5	39.3	-161,983	No
12/1/2023	692,065.00	1,553.00	0.4	6,699,707.00	75,437.0	17.5	41.9	-73,884	No
12/5/2023	695,021.00	2,956.00	0.5	6,803,929.00	104,222.0	18.1	41.5	-101,266	No
12/8/2023	697,261.00	2,240.00	0.5	6,882,117.00	78,188.0	18.1	42.0	-75,948	No
12/12/2023	701,272.00	4,011.00	0.7	6,987,383.00	105,266.0	18.3	39.7	-101,255	No
12/15/2023	703,612.00	2,340.00	0.5	7,064,892.00	77,509.0	17.9	41.9	-75,169	No
12/19/2023	706,916.00	3,304.00	0.6	7,171,318.00	106,426.0	18.5	41.0	-103,122	No
12/22/2023	709,384.00	2,468.00	0.6	7,249,551.00	78,233.0	18.1	41.3	-75,765	No
12/27/2023	712,849.00	3,465.00	0.5	7,386,045.00	136,494.0	19.0	40.3	-133,029	No
12/29/2023	716,500.00	3,651.00	1.3	7,436,310.00	50,265.0	17.5	42.1	-46,614	No
Post Transfer Pump Repair		<u>292,813.00</u>	<u>0.6</u>		<u>5,970,453.0</u>	<u>12.5</u>	<u>38.2</u>	<u>-5,677,640</u>	
System Total		<u>390,421.00</u>	<u>0.7</u>		<u>5,970,453.0</u>	<u>11.3</u>	<u>38.2</u>	<u>-5,580,032</u>	

Notes:
* - Only Air Stripper and Bedding Pump are online. Extraction wells offline.
CE - Critical Equipment
GPM - Gallons per minute
GWE - Groundwater Extraction
in/Hg - inches of mercury
KO - Knock out tank
OWS - Oil-Water separator
psi - pounds per square inch
TPE - Total Phase Extraction



Table 4

Remedial System Operation Data 2023

Date	Operational Status
12/28/2022	GWE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only.
1/5/2023	GWE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only.
1/9/2023	GWE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only.
1/13/2023	GWE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only. Annual site inspection.
1/17/2023	GWE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only.
1/23/2023	GWE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only. Sample collected. Line repaired.
1/31/2023	Transfer pump repaired. System up, Normal Operation.
Pre-Transfer Pump Repair	
2/2/2023	System up, Normal Operation.
2/7/2023	System up, Normal Operation.
2/10/2023	System up, Normal Operation. GWE oil changed.
2/15/2023	System up, Normal Operation.
2/17/2023	System up, Normal Operation. Stripper and KO tank cleaned.
2/21/2023	System up, Normal Operation.
2/24/2023	System up, Normal Operation.
2/27/2023	System up, Normal Operation.
3/2/2023	System up, Normal Operation.
3/6/2023	System up, Normal Operation.
3/10/2023	System up, Normal Operation. Stripper and KO tank cleaned.
3/14/2023	System up, Normal Operation.
3/17/2023	System up, Normal Operation.
3/21/2023	System up, Normal Operation.
3/24/2023	System up, Normal Operation.
3/28/2023	System up, Normal Operation.
3/31/2023	System up, Normal Operation.
4/4/2023	System up, Normal Operation. Power outage alarm from storm.
4/7/2023	System up, Normal Operation.
4/11/2023	System up, Normal Operation. Stripper and KO tank cleaned.
4/14/2023	System up, Normal Operation.
4/18/2023	System down on arrival from power loss. System restart. Normal Operation.
4/21/2023	System up, Normal Operation.
4/25/2023	System up, Normal Operation.
4/28/2023	System up, Normal Operation.
5/3/2023	System up, Normal Operation.
5/5/2023	System up, Normal Operation.
5/12/2023	System up, Normal Operation. Stripper and KO tank cleaned.
5/16/2023	System up, Normal Operation.

Table 4

Remedial System Operation Data 2023

Date	Operational Status
5/19/2023	System up, Normal Operation.
5/24/2023	System up, Normal Operation.
5/30/2023	System down on arrival due to Low Air Flow Stripper alarm. Attempted to restart system. Air stripper blower is believed to be broken.
6/6/2023	System down on arrival due to air stripper blower motor issue. Motor is able to be restarted. System up, Normal Operation
6/8/2023	System up, Normal Operation. CE Check.
6/13/2023	System up, Normal Operation.
6/16/2023	System up, Normal Operation.
6/20/2023	System up, Normal Operation.
6/23/2023	System up, Normal Operation.
6/27/2023	System up, Normal Operation on arrival. System shutdown to allow JB weld on Air Stripper to cure.
6/29/2023	System down on arrival. System up, Normal Operation upon departure.
7/5/2023	System up, Normal Operation.
7/11/2023	System up, Normal Operation. Bedding pump shut off until repair parts arrive.
7/18/2023	System up, Normal Operation. Bedding pump off.
7/21/2023	System up, Normal Operation.
7/25/2023	System up, Normal Operation.
7/28/2023	System up, Normal Operation.
8/1/2023	System up, Normal Operation.
8/4/2023	System up, Normal Operation. Stripper and KO tank cleaned.
8/8/2023	System up, Normal Operation.
8/11/2023	System up, Normal Operation.
8/15/2023	System up, Normal Operation.
8/18/2023	System up, Normal Operation.
8/22/2023	System up, Normal Operation.
8/25/2023	System up, Normal Operation.
8/29/2023	System up, Normal Operation.
9/1/2023	System up, Normal Operation.
9/6/2023	System down on arrival. Low air stripper alarm, reset. System up, Normal Operation upon departure.
9/12/2023	System up, Normal Operation.
9/15/2023	System up, Normal Operation.
9/19/2023	System up, Normal Operation.
9/22/2023	System up, Normal Operation.
9/26/2023	System up, Normal Operation.
9/29/2023	System down on arrival. High VLS alarm, reset did not work. Transfer Pump pin and stator broken. GWE system off. Air stripper and bedding pump on.
10/3/2023	System up. Stripper and bedding pump only
10/6/2023	System up, Normal Operation.
10/10/2023	System up, Normal Operation.



Table 4
Remedial System Operation Data 2023

Date	Operational Status
10/12/2023	System up, Normal Operation.
10/17/2023	System up, Normal Operation.
10/20/2023	System up, Normal Operation.
10/23/2023	System up, Normal Operation.
10/27/2023	System up, Normal Operation.
10/31/2023	System up, Normal Operation.
11/3/2023	System up, Normal Operation.
11/7/2023	System up, Normal Operation.
11/10/2023	System up, Normal Operation.
11/14/2023	System up, Normal Operation.
11/17/2023	System up, Normal Operation.
11/21/2023	System up, Normal Operation.
11/28/2023	System up, Normal Operation.
12/1/2023	System up, Normal Operation.
12/5/2023	System up, Normal Operation.
12/8/2023	System up, Normal Operation.
12/12/2023	System up, Normal Operation.
12/15/2023	System up, Normal Operation.
12/19/2023	System up, Normal Operation.
12/22/2023	System up, Normal Operation.
12/27/2023	System up, Normal Operation.
12/29/2023	System up, Normal Operation.
Post Transfer Pump Repair	
System Total	

Notes:
* - Only Air Stripper and Bedding Pump are online. Extraction wells offline.
CE - Critical Equipment
GPM - Gallons per minute
GWE - Groundwater Extraction
in/Hg - inches of mercury
KO - Knock out tank
OWS - Oil-Water separator
psi - pounds per square inch
TPE - Total Phase Extraction

Table 5
Monthly Treatment
Effluent Data

Parameter	Units	Measurement Frequency	Effluent Limits (Daily Max.)	1/23/2023	2/21/2023	3/14/2023	4/18/2023	5/16/2023	6/13/2023	7/18/2023	8/8/2023	9/6/2023	10/12/2023	11/14/2023	12/1/2023
VOCs	ug/L	Monthly	10	ND	37	46	6.2	4.0	3.8	1.3	2.05	1.53	2.6	1.32	NS
Aluminum	mg/L	Monthly	2,700	ND<0.050	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	NS
Iron	mg/L	Monthly	2,000	0.47	3.7	2.5	34	2.9	1.9	3.2	2.1	3.5	1.6	1.7	NS
Zinc	mg/L	Monthly	400	0.032	0.02	0.017	0.033	0.010	0.0078 J	0.024	0.026	0.16	0.035	0.010	NS
Oil & Grease	mg/L	Monthly	15	ND<1.5	ND<1.4	0.60 J	ND<1.4	ND<1.4	0.50 J	ND<1.4	ND<1.4	ND<1.4	ND<1.4	ND<1.4	NS

Notes:

mg/L = milligrams per litre

ug/L = micrograms per liter

NYSDEC TOGS 1.1.1 GWQS = New York State Department of Environmental Conservation Technical and Operational Guidance Series 1.1.1 June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater.

Indicates values exceed the Effluent Limits defined in the 2015 SMP.

ND <# = Indicates compound was analyzed for, but not detected at or above the indicated reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

B = Compound was found in blank and sample

NS = No sample collected (NYSDEC stand by lab contract on hold in December 2023)

Table 6
System VOC Summary



Sample Date	Concentration (ug/L)				
	cis-1,2-DCE	TCE	Vinyl Chloride	Acetone	Total TCL VOCs
Influent					
1/23/2023	660	380	25	ND<200	1,065
2/21/2023	3,100	4,100	92	ND<1,200	7,292
3/14/2023	3,600	3,700	170	130	7,470
4/18/2023	4,900	2,900	310	130	8,110
5/16/2023	1,900	2,900	120	110	4,920
6/13/2023	2,700	3,500	120	ND<2,500	6,320
7/18/2023	1,600	2,900	140 J	ND<5,000	4,640
8/8/2023	1,700	2,900	110	ND<2,000	4,710
9/6/2023	2,600	2,500	150	120 J	5,250
10/12/2023	3,400	3,800	180	ND<2,000	7,380
11/14/2023	2,200	3,400	140	ND<2,500	5,740
12/1/2023	NS	NS	NS	NS	NS
Effluent					
1/23/2023	ND<1.0	ND<1.0	ND<2.0	5.0	ND
2/21/2023	23	14	ND<2.0	9.4 J	37
3/14/2023	29	17	ND<2.0	7.5 J	46
4/18/2023	4.4	1.8	ND<2.0	7.2 J	6.2
5/16/2023	2.7	1.3	ND<2.0	8.3 J	4.0
6/13/2023	2.3	1.5	ND<2.0	5.2 J	3.8
7/18/2023	0.78 J	0.53 J	ND<2.0	4.3 J	1.3
8/8/2023	1.2	0.85 J	ND<2.0	6.2 J	2.05
9/6/2023	1.0	0.53 J	ND<2.0	6.1 J	1.53
10/12/2023	1.5	1.1	ND<2.0	5.9 J	2.6
11/14/2023	0.75 J	0.57 J	ND<2.0	5.6 J	1.32
12/1/2023	NS	NS	NS	NS	NS

Notes:

ug/L = micrograms per liter

NYSDEC TOGS 1.1.1 GWQS = New York State Department of Environmental Conservation Technical and Operational Guidance Series 1.1.1 June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater.

Indicates values exceed the Effluent Limits defined in the 2015 SMP (10 ug/l Total VOCs).

ND <# = Indicates compound was analyzed for, but not detected at or above the indicated reporting limit.

NS = No sample collected (NYSDEC standby lab contact on hold for December 2023)

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

System influent sampling frequency was modified to monthly following the system upgrades.

TCE = Trichloroethene

cis-1,2-DCE = cis-1,2-Dichloroethene

TCL = Target Compound List

VOCs = Volatile Organic Compounds

Table 7
Monthly Outfall
Analytical Data

Parameter	Units	Measurement Frequency	Discharge Limit	1/23/2023	2/21/2023	3/14/2023	4/18/2023	5/16/2023	6/13/2023	7/18/2023	8/8/2023	9/12/2023	10/12/2023	11/1/2023	12/1/2023
VOCs	ug/L	Monthly	10	1.4 J	ND	3.3 J	ND	3.8 J	ND	3.98 J	ND	3.3 J	ND	NS - Outfall Dry	NS - Lab contract on hold
Aluminum	mg/L	Monthly	No Limit	ND<0.050	0.048 J	0.048 J	ND<0.050	ND<0.050	0.083	ND<0.050	0.047 J	ND<0.050	ND<0.050		
Iron	mg/L	Monthly	No Limit	ND<0.050	0.38	ND<0.050	0.52	0.30	0.55	0.58	0.56	0.41	0.32		
Zinc	mg/L	Monthly	No Limit	ND<0.010	0.016	0.0089 J	0.017	0.012	0.011	0.0076 J	0.0071 J	0.0067 J	0.0098 J		
Total Suspended Solids	mg/L	Monthly	No Limit	ND<0.050	NA ^a	ND<0.67	5.3	1.6	ND<5.0	ND<2.0	10	0.80 J	ND<16		
Oil & Grease	mg/L	Monthly	No Limit	1.2 J	ND<1.4	0.50 J	ND<1.5	ND<1.4	0.80 J	0.90 J	ND<1.4	ND<1.4	ND<1.5		

Notes:

mg/L = milligrams per litre

ug/L = micrograms per liter

NYSDEC TOGS 1.1.1 GWQS = New York State Department of Environmental Conservation Technical and Operational Guidance Series 1.1.1 June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater.

Bold Indicates values exceed effluent limits defined in the 2015 SMP.

ND <# = Indicates compound was analyzed for, but not detected at or above the indicated reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

NS = No sample collected (Outfall dry during November 2023 sampling and NYSDEC stand by lab contract on hold in December 2023)

NA^a = No analysis due to sample bottle leaking during transit.

Table 8
System PFAS Summary - July 2023



Chemical Name	NYSDEC TOGS 1.1.1 Guidance Value	Sample ID	Treatment Effluent	Treatment Influent
		Lab ID	23G2398-01	23G2398-02
		Sample Date	7/18/2023	7/18/2023
		Units	--	--
PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)				
Perfluorobutanoic acid (PFBA)	NS	ng/L	ND < 3.7	ND < 3.7
Perfluoropentanoic acid (PFPeA)	NS	ng/L	ND < 1.8	ND < 1.9
Perfluorohexanoic acid (PFHxA)	NS	ng/L	ND < 0.92	ND < 0.93
Perfluoroheptanoic acid (PFHpA)	NS	ng/L	ND < 0.92	ND < 0.93
Perfluorooctanoic acid (PFOA)	6.7	ng/L	ND < 0.92	ND < 0.93
Perfluorononanoic acid (PFNA)	NS	ng/L	ND < 0.92	ND < 0.93
Perfluorodecanoic acid (PFDA)	NS	ng/L	ND < 0.92	ND < 0.93
Perfluoroundecanoic acid (PFUnA)	NS	ng/L	ND < 0.92	ND < 0.93
Perfluorododecanoic acid (PFDoA)	NS	ng/L	ND < 0.92	ND < 0.93
Perfluorotridecanoic acid (PFTrDA)	NS	ng/L	ND < 0.92	ND < 0.93
Perfluorotetradecanoic acid (PFTeDA)	NS	ng/L	ND < 0.92	ND < 0.93
Perfluorobutanesulfonic acid (PFBS)	NS	ng/L	ND < 0.92	ND < 0.93
Perfluoropentanesulfonic acid (PFPeS)	NS	ng/L	ND < 0.92	ND < 0.93
Perfluorohexanesulfonic acid (PFHxS)	NS	ng/L	ND < 0.92	ND < 0.93
Perfluoroheptanesulfonic acid (PFHpS)	NS	ng/L	ND < 0.92	ND < 0.93
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	ND < 0.92	2.1
Perfluorononanesulfonic acid (PFNS)	NS	ng/L	ND < 0.92	ND < 0.93
Perfluorodecanesulfonic acid (PFDS)	NS	ng/L	ND < 0.92	ND < 0.93
Perfluorododecanesulfonic acid (PFDoS)	NS	ng/L	ND < 0.92	ND < 0.93
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	NS	ng/L	ND < 3.7	ND < 3.7
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	NS	ng/L	ND < 3.7	ND < 3.7
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	NS	ng/L	ND < 3.7	ND < 3.7
Perfluorooctanesulfonamide (PFOSA)	NS	ng/L	ND < 0.92	ND < 0.93
N-methyl perfluorooctanesulfonamide (NMeFOSA)	NS	ng/L	ND < 0.92	ND < 0.93
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	NS	ng/L	ND < 0.92	ND < 0.93
N-MeFOSAA (NMeFOSAA)	NS	ng/L	ND < 0.92	ND < 0.93
N-EtFOSAA (NEtFOSAA)	NS	ng/L	ND < 0.92	1.2
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	NS	ng/L	ND < 9.2	ND < 9.3
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	NS	ng/L	ND < 9.2	ND < 9.3
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	ng/L	ND < 3.7	ND < 3.7
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NS	ng/L	ND < 3.7	ND < 3.7
9CI-PF3ONS (F53B Minor)	NS	ng/L	ND < 3.7	ND < 3.7
11CI-PF3OUdS (F53B Major)	NS	ng/L	ND < 3.7	ND < 3.7
3-Perfluoropropyl propanoic acid (FPrPA)(3:3FTCA)	NS	ng/L	ND < 9.2	ND < 9.3
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	NS	ng/L	ND < 46	ND < 47
3-Perfluoroheptyl propanoic acid (FHpPA)(7:3FTCA)	NS	ng/L	ND < 46	ND < 47
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NS	ng/L	ND < 1.8	ND < 1.9
Perfluoro-3-methoxypropanoic acid (PFMPA)	NS	ng/L	ND < 1.8	ND < 1.9
Perfluoro-4-methoxybutanoic acid (PFMBA)	NS	ng/L	ND < 1.8	ND < 1.9
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NS	ng/L	ND < 1.8	ND < 1.9
General Chemistry				
Total Suspended Solids	NS	mg/L	30	ND < 10
Notes:				
ng/L = nanograms per liter				
NYSDEC TOGS 1.1.1 Guidance Value, February 2023 Addendum				
NS = No Standard				
ND <# = Indicates compound was analyzed for, but not detected at or above the indicated reporting limit.				

Appendix A – Groundwater Sampling Logs

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter ("):	2
Project #:	0901650	Initial Depth to Water (ft, TOC)	3.94
Date:	4/14/2023	Depth to Bottom of Well (ft, TOC)	15.00
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	11.06
Well ID:	MW-1	Volume of Water in Well (gal)	1.88

Meter(s): YSI Pro DSS #211369							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
0755	4.14	7.4	8.20	437.8	90.6	1.74	0.92
0800	4.14	7.3	8.18	437.9	91.2	1.60	0.90
0805	4.14	7.4	8.16	438.4	91.7	1.49	1.20
0810	4.14	7.4	8.15	438.3	92.0	1.43	0.88
0815	4.14	7.4	8.13	438.8	92.5	1.35	0.83
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	0735	Notes:	0820	Sample Tir 2	gal purged
Purge End Time:	0820		Purge Rate: 150	mL/min	
Weather:	Partly Cloudy 40				
Purge/Sampled by	BD				

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter ("):	2
Project #:	0901650	Initial Depth to Water (ft, TOC)	9.95
Date:	4/13/2023	Depth to Bottom of Well (ft, TOC)	14.50
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	4.55
Well ID:	MW-2	Volume of Water in Well (gal)	0.77

Meter(s):							
YSI Pro DSS #211369							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1345	10.05	14.2	6.75	1355	-95.1	0.61	13.79
1350	10.07	14.5	6.78	1279	-104.8	0.57	13.61
1355	10.10	13.7	6.80	1221	-109.0	0.57	18.17
1400	10.13	14.0	6.81	1186	-111.2	0.56	23.93
1405	10.15	14.2	6.82	1163	-112.4	0.56	32.01
1410	10.15	14.1	6.83	1141	-113.7	0.56	32.95
1415	10.15	14.5	6.83	1128	-114.9	0.54	34.98
1420	10.15	14.5	6.84	1117	-116.9	0.53	39.02
1425	10.15	14.5	6.84	1106	-118.0	0.52	21.91
1430	10.15	14.4	6.85	1093	-119.0	0.52	22.92
1435	10.15	14.1	6.85	1092	-120.2	0.52	20.17
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	1325	Notes:	1440	Sample Tir 3.5	gal purged
Purge End Time:	1440		Purge Rate: 125	mL/min	
Weather:	70 sunny				
Purge/Sampled by	BD				

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter ("):	2
Project #:	0901650	Initial Depth to Water (ft, TOC)	9.88
Date:	4/13/2023	Depth to Bottom of Well (ft, TOC)	23.10
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	13.22
Well ID:	MW-3	Volume of Water in Well (gal)	2.25

Meter(s):							
YSI Pro DSS #211369							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1630	11.12	15.6	8.28	435.2	-22.3	0.98	43.22
1635	11.80	14.9	8.27	433.6	-27.2	0.90	28.98
1640	12.65	15.1	8.27	433.0	-30.7	0.92	26.35
1645	13.27	14.9	8.28	433.3	-31.7	1.33	23.17
1650	14.05	14.8	8.27	430.7	-30.9	0.97	19.94
1655	14.46	14.8	8.27	432.0	-29.9	0.82	18.16
1700	17.74	15.8	8.23	430.1	-28.5	0.83	14.27
1705	14.90	16.1	8.22	431.1	-26.6	0.91	13.23
1710	15.08	16.1	8.20	433.9	-24.8	0.88	9.45
1715	15.37	14.6	8.18	436.4	-23.7	0.89	10.51
1720	15.74	14.6	8.16	433.4	-22.1	0.88	9.72
1725	16.38	14.3	8.13	433.6	-21.7	0.95	9.28
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	1615	Notes:	1725	Sample Tir 4	gal purged
Purge End Time:	1725		Purge Rate:	125	mL/min
Weather:	Sunny 70				
Purge/Sampled by	BD				

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter ("):	2
Project #:	0901650	Initial Depth to Water (ft, TOC)	3.41
Date:	4/12/2023	Depth to Bottom of Well (ft, TOC)	20.50
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	17.09
Well ID:	MW-4	Volume of Water in Well (gal)	2.91

Meter(s): YSI Pro DSS #211369							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1525	3.69	14.4	7.89	677.0	139.7	0.81	3.93
1530	3.69	13.7	7.87	673.0	126.5	0.70	5.27
1535	3.69	14.3	7.87	669.0	105.6	0.67	5.71
1540	3.69	14.3	7.88	661.0	83.1	0.64	5.79
1545	3.70	14.1	7.89	657.0	64.7	0.62	4.32
1550	3.70	14.1	7.90	651.0	50.2	0.61	3.65
1555	3.70	14.1	7.89	661.0	30.5	0.60	4.87
1600	3.70	13.7	7.92	642.0	19.3	0.59	2.95
1605	3.70	14.1	7.92	643.0	15.9	0.58	2.58
1610	3.70	14.0	7.93	643.0	13.3	0.58	2.19
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	1510	Notes:	1610	Purge Time:	3	gal purged
Purge End Time:	1610			Purge Rate:	150	mL/min
Weather:	Sunny 60					
Purge/Sampled by:	BD					

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter ("):	2
Project #:	0901650	Initial Depth to Water (ft, TOC)	5.28
Date:	4/12/2023	Depth to Bottom of Well (ft, TOC)	42.20
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	36.92
Well ID:	MW-4D	Volume of Water in Well (gal)	6.28

Meter(s): YSI Pro DSS #211369							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1635	6.74	14.7	7.85	733.0	110.6	6.63	16.67
1640	6.74	14.8	7.84	756.0	117.9	7.34	6.28
1645	6.74	14.6	7.84	759.0	119.4	7.50	6.70
1650	6.74	14.7	7.83	765.0	122.5	7.72	6.57
1655	6.74	14.9	7.83	764.0	124.8	7.82	2.13
1700	6.74	14.9	7.83	765.0	127.1	7.93	2.75
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	1620	Notes:	1700	Purge Time:	2.5	gal purged
Purge End Time:	1700			Purge Rate:	200	mL/min
Weather:	Sunny 60					
Purge/Sampled by:	BD					

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter ("):	2
Project #:	0901650	Initial Depth to Water (ft, TOC)	7.22
Date:	4/12/2023	Depth to Bottom of Well (ft, TOC)	20.00
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	12.78
Well ID:	MW-5	Volume of Water in Well (gal)	2.17

Meter(s): YSI Pro DSS #211369							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1420	7.38	12.5	7.71	569.0	157.3	0.97	51.30
1425	7.38	12.4	7.73	570.0	155.6	0.95	32.75
1430	7.38	12.3	7.73	569.0	154.6	0.95	23.20
1435	7.38	12.4	7.74	569.0	153.6	0.91	15.07
1440	7.38	12.3	7.74	567.0	152.7	0.91	10.60
1445	7.38	12.0	7.75	567.0	151.7	0.91	6.66
1450	7.38	12.1	7.75	568.0	151.4	0.93	6.39
1455	7.38	12.0	7.75	568.0	150.7	0.90	6.58
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	1400	Notes:	1500	Purge Time:	5	gal purged
Purge End Time:	1500	Purge Rate:	mL/min			
Weather:	Sunny 60					
Purge/Sampled by	BD					

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter ("):	2
Project #:	0901650	Initial Depth to Water (ft, TOC)	11.26
Date:	4/12/2023	Depth to Bottom of Well (ft, TOC)	31.00
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	19.74
Well ID:	MW-5D	Volume of Water in Well (gal)	3.36

Meter(s): YSI Pro DSS #211369							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1230	8.15	12.6	7.79	757.0	166.3	9.43	6.88
1235	8.02	12.8	7.81	757.0	165.5	9.41	9.99
1240	7.91	12.5	7.82	757.0	164.9	9.49	11.47
1245	7.82	12.1	7.82	758.0	165.2	9.41	16.47
1250	7.71	12.3	7.80	748.0	165.3	9.45	19.34
1255	7.64	12.1	7.79	748.0	165.6	9.44	24.60
1300	7.58	12.2	7.78	749.0	165.7	9.46	31.78
1305	7.53	12.0	7.76	751.0	166.0	9.55	56.99
1310	7.49	11.9	7.74	753.0	166.1	9.51	88.32
1315	7.46	11.9	7.73	754.0	166.4	9.45	141.83
1320	7.41	11.9	7.74	754.0	166.1	9.41	108.51
1325	7.36	11.9	7.74	754.0	166.0	9.40	120.71
1330	7.31	12.0	7.74	754.0	141.5	9.34	122.13
1335	7.27	12.1	7.72	755.0	142.6	9.51	7.20
1340	7.22	11.9	7.73	754.0	146.3	9.51	6.89
1345	7.17	12.0	7.73	754.0	150.8	9.49	7.08
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	1200	Notes:	1350	Purge Time:	9	gal purged
Purge End Time:	1350			Purge Rate:	175	mL/min
Weather:	Sunny 60					
Purge/Sampled by:	BD					

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter ("):	2
Project #:	0901650	Initial Depth to Water (ft, TOC)	6.52
Date:	4/13/2023	Depth to Bottom of Well (ft, TOC)	14.95
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	8.43
Well ID:	MW-6	Volume of Water in Well (gal)	1.35

Meter(s): YSI Pro DSS #211369							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1225	6.74	15.0	7.14	558.0	-54.0	0.67	91.68
1230	6.74	14.6	7.17	562.0	-53.7	0.65	74.22
1235	6.74	14.4	7.17	554.0	-53.0	0.65	71.89
1240	6.74	14.9	7.23	550.0	-53.0	0.65	68.08
1245	6.74	15.0	7.18	561.0	-52.5	0.64	66.98
1250	6.74	14.9	7.18	560.0	-52.6	0.63	67.21
1255	6.74	14.6	7.18	572.0	-54.8	0.64	68.33
1300	6.75	14.8	7.17	561.0	-54.9	0.62	68.03
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	1205	Notes:	1305	Purge Time:	3.5	gal purged
Purge End Time:	1305	Purge Rate:	125	mL/min		
Weather:	Sunny 60					
Purge/Sampled by:	BD					

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter ("):	2
Project #:	0901650	Initial Depth to Water (ft, TOC)	7.18
Date:	4/12/2023	Depth to Bottom of Well (ft, TOC)	22.45
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	15.27
Well ID:	MW-7	Volume of Water in Well (gal)	2.60

Meter(s): YSI Pro DSS #211369							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1100	7.62	13.9	7.64	585.0	174.6	0.59	476.36
1105	7.62	13.9	7.67	583.0	171.4	0.57	2952.15
1110	7.62	13.8	7.69	584.0	168.4	0.57	201.13
1115	7.62	14.0	7.70	584.0	165.8	0.55	142.02
1120	7.62	14.0	7.71	583.0	163.5	0.55	129.23
1125	7.62	13.9	7.73	584.0	160.7	0.54	90.16
1130	7.62	14.1	7.73	585.0	157.7	0.53	64.14
1135	7.62	14.0	7.73	584.0	155.3	0.53	62.13
1140	7.62	14.0	7.74	583.0	152.7	0.53	62.98
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	1015	Notes:	1145	Purge Time:	5	gal purged
Purge End Time:	1145			Purge Rate:	300	mL/min
Weather:	Sunny 60					
Purge/Sampled by:	BD					

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter ("):	2
Project #:	0901650	Initial Depth to Water (ft, TOC)	3.84
Date:	4/13/2023	Depth to Bottom of Well (ft, TOC)	19.40
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	15.56
Well ID:	MW-8	Volume of Water in Well (gal)	2.65

Meter(s): YSI Pro DSS #211369							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
0825	3.86	8.4	8.05	476.2	151.5	0.70	36.26
0830	3.86	8.5	8.00	485.3	152.2	0.69	22.39
0835	3.86	8.5	7.94	496.5	153.0	0.68	14.49
0840	3.86	8.6	7.90	506.0	153.5	0.67	7.64
0845	3.86	8.8	7.89	507.0	153.2	0.66	7.68
0850	3.86	9.0	7.87	511.0	152.9	0.65	7.33
0855	3.86	9.1	7.85	518.0	153.0	0.64	3.56
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	0745	Notes:	0900	Purge Time:	4	gal purged
Purge End Time:	0900			Purge Rate:	175	mL/min
Weather:	Sunny 60					
Purge/Sampled by:	BD					

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter ("):	2
Project #:	0901650	Initial Depth to Water (ft, TOC)	4.56
Date:	4/13/2023	Depth to Bottom of Well (ft, TOC)	21.50
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	16.94
Well ID:	MW-9R	Volume of Water in Well (gal)	2.88

Meter(s): YSI Pro DSS #211369							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1525	5.64	12.7	7.38	1265	-60.4	0.74	22.74
1530	5.64	12.6	7.39	1273	-62.2	0.72	22.54
1535	5.64	12.6	7.39	1272	-64.2	0.71	21.21
1540	5.64	12.4	7.37	1214	-66.2	0.70	22.59
1545	5.64	12.7	7.35	1179	-66.3	0.69	13.94
1550	5.64	12.3	7.35	1165	-66.2	0.69	13.63
1555	5.64	12.3	7.34	1145	-66.0	0.68	14.22
1600	5.64	12.3	7.34	1126	-66.0	0.67	13.80
1605	5.64	12.4	7.33	1108	-65.7	0.66	14.68
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	1505	Notes:	1605	Purge Time:	3.5	gal purged
Purge End Time:	1605			Purge Rate:	125	mL/min
Weather:	Sunny 60					
Purge/Sampled by:	BD					

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter ("):	2
Project #:	0901650	Initial Depth to Water (ft, TOC)	5.16
Date:	4/13/2023	Depth to Bottom of Well (ft, TOC)	21.40
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	16.24
Well ID:	MW-10	Volume of Water in Well (gal)	2.76

Meter(s): YSI Pro DSS #211369							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
0945	5.81	12.5	8.31	339.1	-37.7	0.80	14.43
0950	5.82	12.6	8.31	340.1	-58.6	0.78	13.22
0955	5.85	12.6	8.32	339.8	-78.5	0.75	13.88
1000	5.89	12.7	8.32	340.5	-95.1	0.72	11.01
1005	5.90	12.5	8.33	341.5	-97.8	0.73	9.89
1010	5.92	12.7	8.34	338.0	-106.7	0.75	8.94
1015	5.94	12.6	8.36	335.9	-111.9	0.78	8.66
1020	5.96	12.6	8.37	335.9	-119.9	0.77	7.96
1025	5.98	12.8	8.37	336.6	-122.7	0.75	7.45
1030	6.01	12.8	8.37	337.8	-125.9	0.74	7.75
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	0925	Notes:	1035	Purge Time:	3	gal purged
Purge End Time:	1035			Purge Rate:	125	mL/min
Weather:	Sunny 60					
Purge/Sampled by:	BD					

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter ("):	2
Project #:	0901650	Initial Depth to Water (ft, TOC)	4.38
Date:	4/13/2023	Depth to Bottom of Well (ft, TOC)	15.00
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	10.62
Well ID:	MW-11R	Volume of Water in Well (gal)	1.81

Meter(s): YSI Pro DSS #211369							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1110	512.00	127.0	7.52	601.0	33.4	0.64	16.68
1115	514.00	124.0	7.52	602.0	38.0	0.63	16.85
1120	517.00	127.0	7.52	601.0	38.8	0.62	13.79
1125	518.00	124.0	7.52	601.0	38.8	0.62	11.46
1130	518.00	124.0	7.52	601.0	38.9	0.62	8.14
1135	518.00	125.0	7.52	600.0	38.9	0.62	5.87
1140	518.00	125.0	7.52	601.0	38.6	0.61	5.50
1145	518.00	124.0	7.52	599.0	38.6	0.61	5.00
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	1050	Notes:	1150	Purge Time:	3.5	gal purged
Purge End Time:	1150			Purge Rate:	125	mL/min
Weather:	Sunny 60					
Purge/Sampled by:	BD					

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter ("):	2
Project #:	0901650	Initial Depth to Water (ft, TOC)	Artesian
Date:	4/12/2023	Depth to Bottom of Well (ft, TOC)	9.80
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	9.80
Well ID:	MW-12	Volume of Water in Well (gal)	1.67

Meter(s): YSI Pro DSS #211369							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
0900	1.77	10.1	7.42	640.0	205.9	0.73	7.20
0905	1.82	10.2	7.43	640.0	202.4	0.72	7.12
0910	1.83	10.2	7.44	639.0	199.0	0.71	6.68
0915	1.83	10.0	7.46	638.0	192.7	0.71	6.15
0920	1.86	10.2	7.48	636.0	188.5	0.70	5.74
0925	1.89	10.1	7.49	635.0	185.3	0.70	6.22
0930	1.92	10.4	7.50	636.0	180.2	0.70	5.65
0935	1.95	10.4	7.52	632.0	176.3	0.69	6.12
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	0830	Notes:	0940	Purge Time:	3	gal purged
Purge End Time:	0940			Purge Rate:	175	mL/min
Weather:	Sunny 60			DUP and MS/MSD		
Purge/Sampled by:	BD					

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter ("):	2
Project #:	0901650	Initial Depth to Water (ft, TOC)	3.61
Date:	4/14/2023	Depth to Bottom of Well (ft, TOC)	18.60
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	14.99
Well ID:	MW-13	Volume of Water in Well (gal)	2.55

Meter(s): YSI Pro DSS #211369							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1100	5.74	11.3	8.83	425.7	-479.6	0.73	40.37
1105	5.74	11.4	8.75	436.9	-185.4	0.71	40.38
1110	5.74	11.5	8.62	449.2	-185.4	0.70	30.45
1115	5.75	11.7	8.49	459.3	-183.0	0.68	29.62
1120	5.75	11.8	8.42	468.2	-179.2	0.66	25.16
1125	5.76	11.8	8.33	477.7	-173.7	0.66	24.25
1130	5.76	11.8	8.28	481.8	-170.4	0.65	20.59
1135	5.76	11.9	8.24	488.7	-165.0	0.65	17.65
1140	5.76	12.1	8.16	496.9	-161.1	0.65	14.50
1145	5.77	12.3	8.11	501.0	-157.4	0.64	10.83
1150	5.77	11.9	8.10	503.0	-155.2	0.64	10.84
1155	5.77	11.9	8.07	504.0	-152.9	0.63	10.53
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	1025	Notes:	1155	Purge Time:	3.5	gal purged
Purge End Time:	1155			Purge Rate:	150	mL/min
Weather:	Sunny 70					
Purge/Sampled by:	BD					

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter ("):	2
Project #:	0901650	Initial Depth to Water (ft, TOC)	7.03
Date:	4/14/2023	Depth to Bottom of Well (ft, TOC)	20.70
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	13.67
Well ID:	MW-14	Volume of Water in Well (gal)	2.32

Meter(s): YSI Pro DSS #211369							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
0910	7.84	8.9	8.00	485.8	-73.8	1.16	163.56
0915	7.84	9.0	8.00	483.3	-83.9	1.04	98.46
0920	7.84	9.1	7.99	481.3	-89.0	0.96	80.40
0925	7.84	9.2	7.99	480.6	-92.4	0.88	70.37
0930	7.84	9.2	7.98	480.3	-95.6	0.81	65.39
0935	7.84	9.2	7.98	478.8	-97.9	0.78	45.36
0940	7.84	9.3	7.97	479.5	-98.3	0.75	48.88
0945	7.84	9.4	7.97	479.1	-100.1	0.73	37.09
0950	7.84	9.5	7.96	479.6	-100.7	0.72	35.10
0955	7.84	9.5	7.96	479.8	-101.9	0.70	37.15
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	0850	Notes:	1000	Purge Time:	2.5	gal purged
Purge End Time:	1000			Purge Rate:	150	mL/min
Weather:	Sunny 60					
Purge/Sampled by:	BD					

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	12.00
Date:	11/2/2023	Depth to Bottom of Well (ft, TOC)	15.30
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	3.30
Well ID:	MW-2	Volume of Water in Well (gal)	0.53

Meter(s): YSI Pro DSS #46421							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1220	12.10	13.60	6.47	1.019	-51.9	0.75	21.75
1225	12.20	13.50	6.44	0.998	-53.7	0.69	5.80
1230	12.20	13.30	6.44	0.965	-54.6	0.61	0.62
1235	12.20	13.40	6.46	0.953	-55.2	0.58	1.40
1240	12.20	13.50	6.43	0.954	-56.2	0.56	1.57
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	1220	Notes:	1245	Sample Time	2	gal purged
Purge End Time:	1240		VOC			
Weather:	Partly Sunny 30s		200 ml/min			
Purge/Sampled by	OO		Clear water, some Fe bacteria			

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	10.30
Date:	11/2/2023	Depth to Bottom of Well (ft, TOC)	18.00
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	7.70
Well ID:	MW-3	Volume of Water in Well (gal)	1.23

Meter(s): YSI Pro DSS #46421							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1050	14.60	16.2	7.48	0.471	94.4	2.81	6.00
1055	15.10	115.4	7.42	0.481	86.5	1.98	84.20
1100	15.60	14.5	7.39	0.491	71.1	1.43	2.80
1105	15.90	14.2	7.38	0.478	62.5	1.13	0.27
1110	15.95	14.6	7.37	0.468	74.7	1.20	0.50
1115	15.95	13.8	7.38	0.456	82.4	1.17	1.15
1120	15.95	13.6	7.38	0.447	83.5	0.98	1.93
1125	15.95	13.5	7.39	0.445	83.9	0.97	1.96
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	1050	Notes:	1130	Sample Time	2.5	gal purged
Purge End Time:	1125		VOC			
Weather:	Cloudy 40s		200 ml/min			
Purge/Sampled by	OO		Clear water			

Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	4.25
Date:	11/2/2023	Depth to Bottom of Well (ft, TOC)	20.50
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	16.25
Well ID:	MW-4	Volume of Water in Well (gal)	2.60

	Meter(s):	YSI Pro DSS #46421					
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1000	4.50	15.8	7.53	0.774	-21.4	1.21	0.60
1005	4.50	15.7	7.57	0.759	-16.7	0.81	0.35
1010	4.55	16.0	7.53	0.757	-10.3	0.66	0.51
1015	4.55	16.3	7.56	0.746	-7.6	0.61	0.25
1020	4.55	16.3	7.53	0.743	-3.1	0.60	1.08
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	1000	Notes:	1024	Sample Time	2	gal purged
Purge End Time:	1020		VOC; MS/MSD			
Weather:	Partly Cloudy 30-40		200 ml/min			
Purge/Sampled by	OO		Clear water			

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	6.60
Date:	11/2/2023	Depth to Bottom of Well (ft, TOC)	15.25
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	8.65
Well ID:	MW-9R	Volume of Water in Well (gal)	1.38

Meter(s): YSI Pro DSS #46421							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1310	6.80	14.80	7.20	1.131	-81.10	0.69	48.20
1315	6.80	14.60	7.19	1.315	-88.20	0.63	44.89
1320	6.80	14.70	7.19	1.309	-90.30	0.64	45.53
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	1310	Notes:	1325	Sample Time	2	gal purged
Purge End Time:	1320	VOC				
Weather:	Sunny 40	200 ml/min				
Purge/Sampled by	OO	Clear water				

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	5.25
Date:	11/2/2023	Depth to Bottom of Well (ft, TOC)	14.95
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	9.70
Well ID:	MW-11R	Volume of Water in Well (gal)	1.55

Meter(s): YSI Pro DSS #46421							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1340	5.25	16.3	7.13	0.616	15.5	0.84	8.65
1345	5.25	16.5	7.11	0.611	17.3	0.71	2.69
1350	5.25	16.3	7.15	0.599	13.5	0.66	0.51
1355	5.27	16.4	7.16	0.601	15.0	0.68	0.41
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	1340	Notes:	1400	Sample Time	2	gal purged
Purge End Time:	1355		VOC			
Weather:	Sunny 40		200 ml/min			
Purge/Sampled by	OO OO		Clear water			

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	1.30
Date:	11/2/2023	Depth to Bottom of Well (ft, TOC)	9.90
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	8.60
Well ID:	MW-12	Volume of Water in Well (gal)	1.38

Meter(s): YSI Pro DSS #46421							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
0900	2.70	13.5	7.50	0.540	114.0	1.81	0.46
0905	3.00	13.7	7.49	0.541	127.4	1.61	1.50
0910	3.10	13.8	7.49	0.541	134.8	1.41	2.30
0915	3.10	14.0	7.48	0.543	139.5	1.23	2.30
0920	3.10	14.2	7.48	0.545	143.1	1.18	2.70
0925	3.15	14.4	7.48	0.548	144.7	1.13	2.70
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	0900	Notes:	0930	Sample Time	2.25	gal purged
Purge End Time:	0925		VOC			
Weather:	Sunny 40s		200 ml/min			
Purge/Sampled by	OO		Clear water			

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	4.10
Date:	11/1/2023	Depth to Bottom of Well (ft, TOC)	18.60
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	14.50
Well ID:	MW-13	Volume of Water in Well (gal)	2.32

Meter(s): YSI Pro DSS #46421							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1215	5.05	13.5	7.92	0.422	-21.8	1.42	48.30
1220	5.90	13.5	8.23	0.412	-106.9	0.92	31.85
1225	6.40	13.3	8.31	0.414	-135.7	0.79	24.50
1230	6.85	13.5	8.24	0.428	-156.2	0.71	12.41
1235	7.10	13.4	8.13	0.441	-165.3	0.66	7.72
1240	7.22	13.3	8.04	0.448	-165.8	0.63	8.24
1245	7.40	13.3	7.94	0.457	-164.7	0.61	5.29
1250	7.40	13.2	7.85	0.463	-161.7	0.59	5.27
1255	7.40	13.6	7.79	0.470	-158.2	0.58	4.72
1300	7.40	13.2	7.75	0.473	-155.3	0.57	4.49
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	1215	Notes:	1305	Sample Time	3.5	gal purged
Purge End Time:	1300		VOC +DUP			
Weather:	Sunny 40s		200 ml/min			
Purge/Sampled by	OO		Clear water			

	Meter(s): YSI Pro DSS #46421						
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1350	8.70	11.5	7.59	0.426	-93.60	0.64	12.86
1355	8.70	11.5	7.56	0.428	-93.20	0.62	10.75
1400	8.70	11.6	7.55	0.432	-93.50	0.59	8.91
1405	8.75	11.7	7.54	0.434	-93.40	0.57	7.00
1410	8.80	11.8	7.56	0.436	-93.80	0.57	6.65
1415	8.80	11.8	7.53	0.438	-93.40	0.55	4.76
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	1335	Notes:	1420	Sample Time	3.25	gal purged
Purge End Time:	1415		VOC			
Weather:	Sunny/coudy 40s		225 ml/min			
Purge/Sampled by	OO		water: Rusty then clear			

Appendix B – Laboratory Analytical Reports

April 28, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23D1967

Enclosed are results of analyses for samples as received by the laboratory on April 18, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 4/28/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23D1967

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

PROJECT LOCATION: 300 Falconer Street, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-1	23D1967-01	Water		SW-846 8260D	
MW-2	23D1967-02	Water		SW-846 8260D	
MW-3	23D1967-03	Water		SW-846 8260D	
MW-4	23D1967-04	Water		SW-846 8260D	
MW-4D	23D1967-05	Water		SW-846 8260D	
MW-5	23D1967-06	Water		SW-846 8260D	
MW-5D	23D1967-07	Water		SW-846 8260D	
MW-6	23D1967-08	Water		SW-846 8260D	
MW-7	23D1967-09	Water		SW-846 8260D	
MW-8	23D1967-10	Water		SW-846 8260D	
MW-9R	23D1967-11	Water		SW-846 8260D	
MW-10	23D1967-12	Water		SW-846 8260D	
MW-11R	23D1967-13	Water		SW-846 8260D	
MW-12	23D1967-14	Water		SW-846 8260D	
MW-13	23D1967-15	Water		SW-846 8260D	
MW-14	23D1967-16	Water		SW-846 8260D	
DUP-1	23D1967-17	Water		SW-846 8260D	
TB-	23D1967-18	Trip Blank Water		SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

SW-846 8260D**Qualifications:**

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:**Trichloroethylene**B337745-MSD1

MS-24

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

Analyte & Samples(s) Qualified:**1,2,3-Trichlorobenzene**B337745-MS1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23D1967-02[MW-2], 23D1967-03[MW-3], 23D1967-04[MW-4], 23D1967-11[MW-9R], 23D1967-13[MW-11R], 23D1967-14[MW-12], 23D1967-15[MW-13], 23D1967-16[MW-14], 23D1967-17[DUP-1]

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 12)**

B337744-BS1, B337744-BSD1, S086347-CCV1

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

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



Lisa A. Worthington
Technical Representative

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-1

Sampled: 4/14/2023 08:20

Sample ID: 23D1967-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.2	50	2.0	µg/L	1	J	SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-1

Sampled: 4/14/2023 08:20

Sample ID: 23D1967-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:14	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	119	70-130	
Toluene-d8	104	70-130	
4-Bromofluorobenzene	89.2	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-2

Sampled: 4/13/2023 14:40

Sample ID: 23D1967-02

Sample Matrix: 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	25000	1000	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Benzene	ND	500	92	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Bromochloromethane	ND	500	140	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Bromodichloromethane	ND	250	79	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Bromoform	ND	500	200	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Bromomethane	ND	1000	660	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
2-Butanone (MEK)	ND	10000	840	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Carbon Disulfide	ND	2500	780	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Carbon Tetrachloride	ND	2500	82	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Chlorobenzene	ND	500	59	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Chlorodibromomethane	ND	250	100	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Chloroethane	ND	1000	170	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Chloroform	ND	1000	70	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Chloromethane	ND	1000	250	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Cyclohexane	ND	2500	880	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	2500	430	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
1,2-Dibromoethane (EDB)	ND	250	80	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
1,2-Dichlorobenzene	ND	500	65	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
1,3-Dichlorobenzene	ND	500	68	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
1,4-Dichlorobenzene	ND	500	64	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	1000	80	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
1,1-Dichloroethane	ND	500	68	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
1,2-Dichloroethane	ND	500	150	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
1,1-Dichloroethylene	ND	500	70	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
cis-1,2-Dichloroethylene	48000	500	70	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
trans-1,2-Dichloroethylene	ND	500	86	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
1,2-Dichloropropane	ND	500	97	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
cis-1,3-Dichloropropene	ND	250	82	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
trans-1,3-Dichloropropene	ND	250	71	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
1,4-Dioxane	ND	25000	9000	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Ethylbenzene	ND	500	110	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
2-Hexanone (MBK)	ND	5000	600	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Isopropylbenzene (Cumene)	ND	500	76	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Methyl Acetate	ND	500	300	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Methyl tert-Butyl Ether (MTBE)	ND	500	85	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Methyl Cyclohexane	ND	500	78	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Methylene Chloride	ND	2500	88	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	5000	660	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Styrene	ND	500	75	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
1,1,2,2-Tetrachloroethane	ND	250	68	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Tetrachloroethylene	ND	500	84	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Toluene	ND	500	110	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
1,2,3-Trichlorobenzene	ND	2500	170	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
1,2,4-Trichlorobenzene	ND	500	150	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-2

Sampled: 4/13/2023 14:40

Sample ID: 23D1967-02

Sample Matrix: 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	500	75	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
1,1,2-Trichloroethane	ND	500	96	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Trichloroethylene	ND	500	87	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Trichlorofluoromethane (Freon 11)	ND	1000	77	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	500	100	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Vinyl Chloride	30000	1000	120	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF
Xylenes (total)	ND	500	500	µg/L	500		SW-846 8260D	4/20/23	4/22/23 21:14	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	113	70-130	
Toluene-d8	103	70-130	
4-Bromofluorobenzene	92.0	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-3

Sampled: 4/13/2023 17:25

Sample ID: 23D1967-03

Sample Matrix: 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	1000	40	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Benzene	ND	20	3.7	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Bromochloromethane	ND	20	5.7	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Bromodichloromethane	ND	10	3.2	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Bromoform	ND	20	8.2	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Bromomethane	ND	40	26	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
2-Butanone (MEK)	ND	400	34	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Carbon Disulfide	ND	100	31	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Carbon Tetrachloride	ND	100	3.3	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Chlorobenzene	ND	20	2.4	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Chlorodibromomethane	ND	10	4.0	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Chloroethane	ND	40	6.8	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Chloroform	ND	40	2.8	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Chloromethane	ND	40	10	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Cyclohexane	ND	100	35	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	17	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
1,2-Dibromoethane (EDB)	ND	10	3.2	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
1,2-Dichlorobenzene	ND	20	2.6	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
1,3-Dichlorobenzene	ND	20	2.7	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
1,4-Dichlorobenzene	ND	20	2.6	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Dichlorodifluoromethane (Freon 12)	ND	40	3.2	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
1,1-Dichloroethane	ND	20	2.7	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
1,2-Dichloroethane	ND	20	6.1	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
1,1-Dichloroethylene	ND	20	2.8	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
cis-1,2-Dichloroethylene	150	20	2.8	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
trans-1,2-Dichloroethylene	ND	20	3.4	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
1,2-Dichloropropane	ND	20	3.9	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
cis-1,3-Dichloropropene	ND	10	3.3	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
trans-1,3-Dichloropropene	ND	10	2.8	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
1,4-Dioxane	ND	1000	360	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Ethylbenzene	ND	20	4.4	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
2-Hexanone (MBK)	ND	200	24	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Isopropylbenzene (Cumene)	ND	20	3.0	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Methyl Acetate	ND	20	12	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Methyl tert-Butyl Ether (MTBE)	ND	20	3.4	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Methyl Cyclohexane	ND	20	3.1	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Methylene Chloride	ND	100	3.5	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
4-Methyl-2-pentanone (MIBK)	ND	200	26	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Styrene	ND	20	3.0	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
1,1,2,2-Tetrachloroethane	ND	10	2.7	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Tetrachloroethylene	ND	20	3.4	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Toluene	ND	20	4.5	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
1,2,3-Trichlorobenzene	ND	100	6.8	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
1,2,4-Trichlorobenzene	ND	20	6.0	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-3

Sampled: 4/13/2023 17:25

Sample ID: 23D1967-03

Sample Matrix: 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	20	3.0	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
1,1,2-Trichloroethane	ND	20	3.8	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Trichloroethylene	1200	20	3.5	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Trichlorofluoromethane (Freon 11)	ND	40	3.1	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	20	4.2	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Vinyl Chloride	ND	40	4.7	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF
Xylenes (total)	ND	20	20	µg/L	20		SW-846 8260D	4/20/23	4/22/23 21:41	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	111	70-130	4/22/23 21:41
Toluene-d8	97.7	70-130	4/22/23 21:41
4-Bromofluorobenzene	88.6	70-130	4/22/23 21:41

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-4

Sampled: 4/12/2023 16:10

Sample ID: 23D1967-04

Sample Matrix: 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	12000	500	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Benzene	ND	250	46	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Bromochloromethane	ND	250	71	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Bromodichloromethane	ND	120	39	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Bromoform	ND	250	100	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Bromomethane	ND	500	330	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
2-Butanone (MEK)	ND	5000	420	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Carbon Disulfide	ND	1200	390	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Carbon Tetrachloride	ND	1200	41	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Chlorobenzene	ND	250	30	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Chlorodibromomethane	ND	120	50	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Chloroethane	ND	500	86	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Chloroform	ND	500	35	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Chloromethane	ND	500	130	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Cyclohexane	ND	1200	440	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1200	210	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
1,2-Dibromoethane (EDB)	ND	120	40	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
1,2-Dichlorobenzene	ND	250	32	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
1,3-Dichlorobenzene	ND	250	34	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
1,4-Dichlorobenzene	ND	250	32	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Dichlorodifluoromethane (Freon 12)	ND	500	40	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
1,1-Dichloroethane	ND	250	34	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
1,2-Dichloroethane	ND	250	76	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
1,1-Dichloroethylene	ND	250	35	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
cis-1,2-Dichloroethylene	440	250	35	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
trans-1,2-Dichloroethylene	ND	250	43	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
1,2-Dichloropropane	ND	250	48	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
cis-1,3-Dichloropropene	ND	120	41	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
trans-1,3-Dichloropropene	ND	120	35	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
1,4-Dioxane	ND	12000	4500	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Ethylbenzene	ND	250	55	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
2-Hexanone (MBK)	ND	2500	300	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Isopropylbenzene (Cumene)	ND	250	38	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Methyl Acetate	ND	250	150	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Methyl tert-Butyl Ether (MTBE)	ND	250	43	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Methyl Cyclohexane	ND	250	39	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Methylene Chloride	ND	1200	44	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
4-Methyl-2-pentanone (MIBK)	ND	2500	330	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Styrene	ND	250	38	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
1,1,2,2-Tetrachloroethane	ND	120	34	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Tetrachloroethylene	ND	250	42	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Toluene	ND	250	56	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
1,2,3-Trichlorobenzene	ND	1200	86	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
1,2,4-Trichlorobenzene	ND	250	75	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-4

Sampled: 4/12/2023 16:10

Sample ID: 23D1967-04

Sample Matrix: 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	250	37	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
1,1,2-Trichloroethane	ND	250	48	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Trichloroethylene	20000	250	44	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Trichlorofluoromethane (Freon 11)	ND	500	39	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	250	52	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Vinyl Chloride	ND	500	59	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF
Xylenes (total)	ND	250	250	µg/L	250		SW-846 8260D	4/20/23	4/22/23 22:07	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	110	70-130	4/22/23 22:07
Toluene-d8	99.9	70-130	4/22/23 22:07
4-Bromofluorobenzene	91.4	70-130	4/22/23 22:07

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-4D

Sampled: 4/12/2023 17:00

Sample ID: 23D1967-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-4D

Sampled: 4/12/2023 17:00

Sample ID: 23D1967-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/20/23	4/22/23 17:41	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	116	70-130	4/22/23 17:41
Toluene-d8	103	70-130	4/22/23 17:41
4-Bromofluorobenzene	88.2	70-130	4/22/23 17:41

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-5

Sampled: 4/12/2023 15:00

Sample ID: 23D1967-06

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-5

Sampled: 4/12/2023 15:00

Sample ID: 23D1967-06

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:08	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	114	70-130	
Toluene-d8	103	70-130	
4-Bromofluorobenzene	88.4	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-5D

Sampled: 4/12/2023 13:50

Sample ID: 23D1967-07

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-5D

Sampled: 4/12/2023 13:50

Sample ID: 23D1967-07

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/20/23	4/22/23 18:34	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	116	70-130	
Toluene-d8	99.9	70-130	
4-Bromofluorobenzene	89.9	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-6

Sampled: 4/13/2023 13:05

Sample ID: 23D1967-08

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-6

Sampled: 4/13/2023 13:05

Sample ID: 23D1967-08

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:01	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	113	70-130	
Toluene-d8	98.6	70-130	
4-Bromofluorobenzene	91.9	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-7

Sampled: 4/12/2023 11:45

Sample ID: 23D1967-09

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-7

Sampled: 4/12/2023 11:45

Sample ID: 23D1967-09

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:27	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	117	70-130	
Toluene-d8	100	70-130	
4-Bromofluorobenzene	90.6	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-8

Sampled: 4/13/2023 09:00

Sample ID: 23D1967-10

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-8

Sampled: 4/13/2023 09:00

Sample ID: 23D1967-10

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/20/23	4/22/23 19:54	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	111	70-130	
Toluene-d8	103	70-130	
4-Bromofluorobenzene	90.8	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-9R

Sampled: 4/13/2023 16:05

Sample ID: 23D1967-11

Sample Matrix: 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	2000	80	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Benzene	ND	40	7.4	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Bromochloromethane	ND	40	11	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Bromodichloromethane	ND	20	6.3	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Bromoform	ND	40	16	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Bromomethane	ND	80	53	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
2-Butanone (MEK)	120	800	67	µg/L	40	J	SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Carbon Disulfide	ND	200	62	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Carbon Tetrachloride	ND	200	6.5	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Chlorobenzene	ND	40	4.8	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Chlorodibromomethane	ND	20	8.0	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Chloroethane	ND	80	14	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Chloroform	ND	80	5.6	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Chloromethane	ND	80	20	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Cyclohexane	ND	200	71	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	200	34	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
1,2-Dibromoethane (EDB)	ND	20	6.4	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
1,2-Dichlorobenzene	ND	40	5.2	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
1,3-Dichlorobenzene	ND	40	5.5	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
1,4-Dichlorobenzene	ND	40	5.1	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Dichlorodifluoromethane (Freon 12)	ND	80	6.4	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
1,1-Dichloroethane	ND	40	5.5	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
1,2-Dichloroethane	ND	40	12	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
1,1-Dichloroethylene	15	40	5.6	µg/L	40	J	SW-846 8260D	4/20/23	4/22/23 22:34	MFF
cis-1,2-Dichloroethylene	1500	40	5.6	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
trans-1,2-Dichloroethylene	16	40	6.9	µg/L	40	J	SW-846 8260D	4/20/23	4/22/23 22:34	MFF
1,2-Dichloropropane	ND	40	7.7	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
cis-1,3-Dichloropropene	ND	20	6.5	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
trans-1,3-Dichloropropene	ND	20	5.7	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
1,4-Dioxane	ND	2000	720	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Ethylbenzene	ND	40	8.8	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
2-Hexanone (MBK)	ND	400	48	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Isopropylbenzene (Cumene)	ND	40	6.0	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Methyl Acetate	ND	40	24	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Methyl tert-Butyl Ether (MTBE)	ND	40	6.8	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Methyl Cyclohexane	ND	40	6.2	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Methylene Chloride	ND	200	7.1	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
4-Methyl-2-pentanone (MIBK)	ND	400	53	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Styrene	ND	40	6.0	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
1,1,2,2-Tetrachloroethane	ND	20	5.5	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Tetrachloroethylene	ND	40	6.7	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Toluene	ND	40	8.9	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
1,2,3-Trichlorobenzene	ND	200	14	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
1,2,4-Trichlorobenzene	ND	40	12	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-9R

Sampled: 4/13/2023 16:05

Sample ID: 23D1967-11

Sample Matrix: 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	40	6.0	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
1,1,2-Trichloroethane	ND	40	7.6	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Trichloroethylene	2500	40	7.0	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Trichlorofluoromethane (Freon 11)	ND	80	6.2	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	40	8.3	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Vinyl Chloride	260	80	9.5	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF
Xylenes (total)	ND	40	40	µg/L	40		SW-846 8260D	4/20/23	4/22/23 22:34	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	112	70-130	4/22/23 22:34
Toluene-d8	99.8	70-130	4/22/23 22:34
4-Bromofluorobenzene	92.8	70-130	4/22/23 22:34

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-10

Sampled: 4/13/2023 10:35

Sample ID: 23D1967-12

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-10

Sampled: 4/13/2023 10:35

Sample ID: 23D1967-12

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:47	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	109	70-130	
Toluene-d8	105	70-130	
4-Bromofluorobenzene	88.1	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-11R

Sampled: 4/13/2023 11:50

Sample ID: 23D1967-13

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	500	20	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Benzene	ND	10	1.8	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Bromochloromethane	ND	10	2.8	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Bromodichloromethane	ND	5.0	1.6	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Bromoform	ND	10	4.1	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Bromomethane	ND	20	13	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
2-Butanone (MEK)	ND	200	17	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Carbon Disulfide	ND	50	16	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Carbon Tetrachloride	ND	50	1.6	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Chlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Chlorodibromomethane	ND	5.0	2.0	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Chloroethane	ND	20	3.4	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Chloroform	ND	20	1.4	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Chloromethane	ND	20	5.0	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Cyclohexane	ND	50	18	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	8.5	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
1,2-Dibromoethane (EDB)	ND	5.0	1.6	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
1,2-Dichlorobenzene	ND	10	1.3	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
1,3-Dichlorobenzene	ND	10	1.4	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
1,4-Dichlorobenzene	ND	10	1.3	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	20	1.6	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
1,1-Dichloroethane	ND	10	1.4	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
1,2-Dichloroethane	ND	10	3.0	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
1,1-Dichloroethylene	ND	10	1.4	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
cis-1,2-Dichloroethylene	410	10	1.4	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
trans-1,2-Dichloroethylene	ND	10	1.7	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
1,2-Dichloropropane	ND	10	1.9	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
cis-1,3-Dichloropropene	ND	5.0	1.6	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
trans-1,3-Dichloropropene	ND	5.0	1.4	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
1,4-Dioxane	ND	500	180	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Ethylbenzene	ND	10	2.2	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
2-Hexanone (MBK)	ND	100	12	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Isopropylbenzene (Cumene)	ND	10	1.5	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Methyl Acetate	ND	10	6.1	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Methyl tert-Butyl Ether (MTBE)	ND	10	1.7	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Methyl Cyclohexane	ND	10	1.6	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Methylene Chloride	ND	50	1.8	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	100	13	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Styrene	ND	10	1.5	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
1,1,2,2-Tetrachloroethane	ND	5.0	1.4	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Tetrachloroethylene	ND	10	1.7	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Toluene	ND	10	2.2	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
1,2,3-Trichlorobenzene	ND	50	3.4	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
1,2,4-Trichlorobenzene	ND	10	3.0	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-11R

Sampled: 4/13/2023 11:50

Sample ID: 23D1967-13

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	10	1.5	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
1,1,2-Trichloroethane	ND	10	1.9	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Trichloroethylene	780	10	1.7	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Trichlorofluoromethane (Freon 11)	ND	20	1.5	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	2.1	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Vinyl Chloride	42	20	2.4	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF
Xylenes (total)	ND	10	10	µg/L	10		SW-846 8260D	4/20/23	4/23/23 8:47	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	114	70-130	
Toluene-d8	98.5	70-130	
4-Bromofluorobenzene	89.2	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-12

Sampled: 4/12/2023 09:40

Sample ID: 23D1967-14

Sample Matrix: 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	4/20/23	4/23/23 9:14	MFF
Benzene	ND	50	9.2	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Bromochloromethane	ND	50	14	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Bromodichloromethane	ND	25	7.9	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Bromoform	ND	50	20	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Bromomethane	ND	100	66	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
2-Butanone (MEK)	ND	1000	84	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Carbon Disulfide	ND	250	78	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Carbon Tetrachloride	ND	250	8.2	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Chlorobenzene	ND	50	5.9	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Chlorodibromomethane	ND	25	10	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Chloroethane	ND	100	17	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Chloroform	ND	100	7.0	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Chloromethane	ND	100	25	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Cyclohexane	ND	250	88	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	43	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
1,2-Dibromoethane (EDB)	ND	25	8.0	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
1,2-Dichlorobenzene	ND	50	6.5	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
1,3-Dichlorobenzene	ND	50	6.8	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
1,4-Dichlorobenzene	ND	50	6.4	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	100	8.0	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
1,1-Dichloroethane	ND	50	6.8	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
1,2-Dichloroethane	ND	50	15	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
1,1-Dichloroethylene	ND	50	7.0	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
cis-1,2-Dichloroethylene	32	50	7.0	µg/L	50	J	SW-846 8260D	4/20/23	4/23/23 9:14	MFF
trans-1,2-Dichloroethylene	ND	50	8.6	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
1,2-Dichloropropane	ND	50	9.7	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
cis-1,3-Dichloropropene	ND	25	8.2	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
trans-1,3-Dichloropropene	ND	25	7.1	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
1,4-Dioxane	ND	2500	900	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Ethylbenzene	ND	50	11	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
2-Hexanone (MBK)	ND	500	60	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Isopropylbenzene (Cumene)	ND	50	7.6	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Methyl Acetate	ND	50	30	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Methyl tert-Butyl Ether (MTBE)	ND	50	8.5	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Methyl Cyclohexane	ND	50	7.8	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Methylene Chloride	ND	250	8.8	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	500	66	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Styrene	ND	50	7.5	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
1,1,2,2-Tetrachloroethane	ND	25	6.8	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Tetrachloroethylene	ND	50	8.4	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Toluene	ND	50	11	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
1,2,3-Trichlorobenzene	ND	250	17	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
1,2,4-Trichlorobenzene	ND	50	15	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-12

Sampled: 4/12/2023 09:40

Sample ID: 23D1967-14

Sample Matrix: 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	7.5	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
1,1,2-Trichloroethane	ND	50	9.6	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Trichloroethylene	3400	50	8.7	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Trichlorofluoromethane (Freon 11)	ND	100	7.7	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	50	10	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Vinyl Chloride	ND	100	12	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF
Xylenes (total)	ND	50	50	µg/L	50		SW-846 8260D	4/20/23	4/23/23 9:14	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	110	70-130	
Toluene-d8	97.4	70-130	
4-Bromofluorobenzene	90.1	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-13

Sampled: 4/14/2023 11:55

Sample ID: 23D1967-15

Sample Matrix: 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	1000	40	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Benzene	ND	20	3.7	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Bromochloromethane	ND	20	5.7	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Bromodichloromethane	ND	10	3.2	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Bromoform	ND	20	8.2	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Bromomethane	ND	40	26	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
2-Butanone (MEK)	ND	400	34	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Carbon Disulfide	ND	100	31	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Carbon Tetrachloride	ND	100	3.3	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Chlorobenzene	ND	20	2.4	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Chlorodibromomethane	ND	10	4.0	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Chloroethane	ND	40	6.8	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Chloroform	ND	40	2.8	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Chloromethane	ND	40	10	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Cyclohexane	ND	100	35	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	17	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
1,2-Dibromoethane (EDB)	ND	10	3.2	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
1,2-Dichlorobenzene	ND	20	2.6	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
1,3-Dichlorobenzene	ND	20	2.7	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
1,4-Dichlorobenzene	ND	20	2.6	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Dichlorodifluoromethane (Freon 12)	ND	40	3.2	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
1,1-Dichloroethane	ND	20	2.7	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
1,2-Dichloroethane	ND	20	6.1	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
1,1-Dichloroethylene	ND	20	2.8	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
cis-1,2-Dichloroethylene	730	20	2.8	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
trans-1,2-Dichloroethylene	ND	20	3.4	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
1,2-Dichloropropane	ND	20	3.9	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
cis-1,3-Dichloropropene	ND	10	3.3	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
trans-1,3-Dichloropropene	ND	10	2.8	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
1,4-Dioxane	ND	1000	360	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Ethylbenzene	ND	20	4.4	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
2-Hexanone (MBK)	ND	200	24	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Isopropylbenzene (Cumene)	ND	20	3.0	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Methyl Acetate	ND	20	12	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Methyl tert-Butyl Ether (MTBE)	ND	20	3.4	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Methyl Cyclohexane	ND	20	3.1	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Methylene Chloride	ND	100	3.5	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
4-Methyl-2-pentanone (MIBK)	ND	200	26	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Styrene	ND	20	3.0	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
1,1,2,2-Tetrachloroethane	ND	10	2.7	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Tetrachloroethylene	ND	20	3.4	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Toluene	ND	20	4.5	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
1,2,3-Trichlorobenzene	ND	100	6.8	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
1,2,4-Trichlorobenzene	ND	20	6.0	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-13

Sampled: 4/14/2023 11:55

Sample ID: 23D1967-15

Sample Matrix: 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	20	3.0	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
1,1,2-Trichloroethane	ND	20	3.8	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Trichloroethylene	900	20	3.5	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Trichlorofluoromethane (Freon 11)	ND	40	3.1	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	20	4.2	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Vinyl Chloride	53	40	4.7	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF
Xylenes (total)	ND	20	20	µg/L	20		SW-846 8260D	4/20/23	4/23/23 9:41	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	110	70-130	
Toluene-d8	105	70-130	
4-Bromofluorobenzene	89.3	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-14

Sampled: 4/14/2023 10:00

Sample ID: 23D1967-16

Sample Matrix: 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	4/20/23	4/23/23 10:08	MFF
Benzene	ND	50	9.2	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Bromochloromethane	ND	50	14	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Bromodichloromethane	ND	25	7.9	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Bromoform	ND	50	20	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Bromomethane	ND	100	66	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
2-Butanone (MEK)	140	1000	84	µg/L	50	J	SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Carbon Disulfide	ND	250	78	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Carbon Tetrachloride	ND	250	8.2	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Chlorobenzene	ND	50	5.9	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Chlorodibromomethane	ND	25	10	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Chloroethane	ND	100	17	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Chloroform	ND	100	7.0	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Chloromethane	ND	100	25	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Cyclohexane	ND	250	88	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	43	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
1,2-Dibromoethane (EDB)	ND	25	8.0	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
1,2-Dichlorobenzene	ND	50	6.5	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
1,3-Dichlorobenzene	ND	50	6.8	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
1,4-Dichlorobenzene	ND	50	6.4	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Dichlorodifluoromethane (Freon 12)	ND	100	8.0	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
1,1-Dichloroethane	ND	50	6.8	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
1,2-Dichloroethane	ND	50	15	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
1,1-Dichloroethylene	ND	50	7.0	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
cis-1,2-Dichloroethylene	1200	50	7.0	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
trans-1,2-Dichloroethylene	ND	50	8.6	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
1,2-Dichloropropane	ND	50	9.7	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
cis-1,3-Dichloropropene	ND	25	8.2	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
trans-1,3-Dichloropropene	ND	25	7.1	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
1,4-Dioxane	ND	2500	900	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Ethylbenzene	ND	50	11	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
2-Hexanone (MBK)	ND	500	60	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Isopropylbenzene (Cumene)	ND	50	7.6	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Methyl Acetate	ND	50	30	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Methyl tert-Butyl Ether (MTBE)	ND	50	8.5	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Methyl Cyclohexane	ND	50	7.8	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Methylene Chloride	ND	250	8.8	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
4-Methyl-2-pentanone (MIBK)	ND	500	66	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Styrene	ND	50	7.5	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
1,1,2,2-Tetrachloroethane	ND	25	6.8	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Tetrachloroethylene	ND	50	8.4	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Toluene	ND	50	11	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
1,2,3-Trichlorobenzene	ND	250	17	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
1,2,4-Trichlorobenzene	ND	50	15	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: MW-14

Sampled: 4/14/2023 10:00

Sample ID: 23D1967-16

Sample Matrix: 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	7.5	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
1,1,2-Trichloroethane	ND	50	9.6	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Trichloroethylene	4300	50	8.7	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Trichlorofluoromethane (Freon 11)	ND	100	7.7	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	50	10	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Vinyl Chloride	ND	100	12	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF
Xylenes (total)	ND	50	50	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:08	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	112	70-130	4/23/23 10:08
Toluene-d8	103	70-130	4/23/23 10:08
4-Bromofluorobenzene	87.8	70-130	4/23/23 10:08

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: DUP-1

Sampled: 4/12/2023 09:40

Sample ID: 23D1967-17

Sample Matrix: 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	4/20/23	4/23/23 10:34	MFF
Benzene	ND	50	9.2	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Bromochloromethane	ND	50	14	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Bromodichloromethane	ND	25	7.9	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Bromoform	ND	50	20	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Bromomethane	ND	100	66	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
2-Butanone (MEK)	ND	1000	84	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Carbon Disulfide	ND	250	78	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Carbon Tetrachloride	ND	250	8.2	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Chlorobenzene	ND	50	5.9	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Chlorodibromomethane	ND	25	10	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Chloroethane	ND	100	17	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Chloroform	ND	100	7.0	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Chloromethane	ND	100	25	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Cyclohexane	ND	250	88	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	43	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
1,2-Dibromoethane (EDB)	ND	25	8.0	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
1,2-Dichlorobenzene	ND	50	6.5	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
1,3-Dichlorobenzene	ND	50	6.8	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
1,4-Dichlorobenzene	ND	50	6.4	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Dichlorodifluoromethane (Freon 12)	ND	100	8.0	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
1,1-Dichloroethane	ND	50	6.8	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
1,2-Dichloroethane	ND	50	15	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
1,1-Dichloroethylene	ND	50	7.0	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
cis-1,2-Dichloroethylene	53	50	7.0	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
trans-1,2-Dichloroethylene	ND	50	8.6	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
1,2-Dichloropropane	ND	50	9.7	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
cis-1,3-Dichloropropene	ND	25	8.2	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
trans-1,3-Dichloropropene	ND	25	7.1	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
1,4-Dioxane	ND	2500	900	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Ethylbenzene	ND	50	11	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
2-Hexanone (MBK)	ND	500	60	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Isopropylbenzene (Cumene)	ND	50	7.6	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Methyl Acetate	ND	50	30	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Methyl tert-Butyl Ether (MTBE)	ND	50	8.5	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Methyl Cyclohexane	ND	50	7.8	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Methylene Chloride	ND	250	8.8	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
4-Methyl-2-pentanone (MIBK)	ND	500	66	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Styrene	ND	50	7.5	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
1,1,2,2-Tetrachloroethane	ND	25	6.8	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Tetrachloroethylene	ND	50	8.4	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Toluene	ND	50	11	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
1,2,3-Trichlorobenzene	ND	250	17	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
1,2,4-Trichlorobenzene	ND	50	15	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: DUP-1

Sampled: 4/12/2023 09:40

Sample ID: 23D1967-17

Sample Matrix: 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	7.5	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
1,1,2-Trichloroethane	ND	50	9.6	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Trichloroethylene	3300	50	8.7	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Trichlorofluoromethane (Freon 11)	ND	100	7.7	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	50	10	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Vinyl Chloride	ND	100	12	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF
Xylenes (total)	ND	50	50	µg/L	50		SW-846 8260D	4/20/23	4/23/23 10:34	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	111	70-130	
Toluene-d8	99.2	70-130	
4-Bromofluorobenzene	90.7	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: TB-

Sampled: 4/14/2023 00:00

Sample ID: 23D1967-18

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D1967

Date Received: 4/18/2023

Field Sample #: TB-

Sampled: 4/14/2023 00:00

Sample ID: 23D1967-18

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/20/23	4/23/23 4:21	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	120	70-130	
Toluene-d8	97.6	70-130	
4-Bromofluorobenzene	91.6	70-130	

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23D1967-01 [MW-1]	B337744	5	5.00	04/20/23
23D1967-02 [MW-2]	B337744	0.01	5.00	04/20/23
23D1967-03 [MW-3]	B337744	0.25	5.00	04/20/23
23D1967-04 [MW-4]	B337744	0.02	5.00	04/20/23
23D1967-05 [MW-4D]	B337744	5	5.00	04/20/23
23D1967-06 [MW-5]	B337744	5	5.00	04/20/23
23D1967-07 [MW-5D]	B337744	5	5.00	04/20/23
23D1967-08 [MW-6]	B337744	5	5.00	04/20/23
23D1967-09 [MW-7]	B337744	5	5.00	04/20/23
23D1967-10 [MW-8]	B337744	5	5.00	04/20/23
23D1967-11 [MW-9R]	B337744	0.125	5.00	04/20/23

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23D1967-12 [MW-10]	B337745	5	5.00	04/20/23
23D1967-13 [MW-11R]	B337745	0.5	5.00	04/20/23
23D1967-14 [MW-12]	B337745	0.1	5.00	04/20/23
23D1967-15 [MW-13]	B337745	0.25	5.00	04/20/23
23D1967-16 [MW-14]	B337745	0.1	5.00	04/20/23
23D1967-17 [DUP-1]	B337745	0.1	5.00	04/20/23
23D1967-18 [TB-]	B337745	5	5.00	04/20/23

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

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

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

Batch B337744 - SW-846 5030B
Blank (B337744-BLK1)

Prepared: 04/20/23 Analyzed: 04/22/23

Acetone	ND	50	µg/L
Benzene	ND	1.0	µg/L
Bromochloromethane	ND	1.0	µg/L
Bromodichloromethane	ND	0.50	µg/L
Bromoform	ND	1.0	µg/L
Bromomethane	ND	2.0	µg/L
2-Butanone (MEK)	ND	20	µg/L
tert-Butyl Alcohol (TBA)	ND	20	µg/L
Carbon Disulfide	ND	5.0	µg/L
Carbon Tetrachloride	ND	5.0	µg/L
Chlorobenzene	ND	1.0	µg/L
Chlorodibromomethane	ND	0.50	µg/L
Chloroethane	ND	2.0	µg/L
Chloroform	ND	2.0	µg/L
Chloromethane	ND	2.0	µg/L
Cyclohexane	ND	5.0	µg/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
1,2-Dibromoethane (EDB)	ND	0.50	µg/L
1,2-Dichlorobenzene	ND	1.0	µg/L
1,3-Dichlorobenzene	ND	1.0	µg/L
1,4-Dichlorobenzene	ND	1.0	µg/L
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L
1,1-Dichloroethane	ND	1.0	µg/L
1,2-Dichloroethane	ND	1.0	µg/L
1,1-Dichloroethylene	ND	1.0	µg/L
cis-1,2-Dichloroethylene	ND	1.0	µg/L
trans-1,2-Dichloroethylene	ND	1.0	µg/L
1,2-Dichloropropane	ND	1.0	µg/L
cis-1,3-Dichloropropene	ND	0.50	µg/L
trans-1,3-Dichloropropene	ND	0.50	µg/L
1,4-Dioxane	ND	50	µg/L
Ethylbenzene	ND	1.0	µg/L
2-Hexanone (MBK)	ND	10	µg/L
Isopropylbenzene (Cumene)	ND	1.0	µg/L
Methyl Acetate	ND	1.0	µg/L
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L
Methyl Cyclohexane	ND	1.0	µg/L
Methylene Chloride	ND	5.0	µg/L
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L
Styrene	ND	1.0	µg/L
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L
Tetrachloroethylene	ND	1.0	µg/L
Toluene	ND	1.0	µg/L
1,2,3-Trichlorobenzene	ND	5.0	µg/L
1,2,4-Trichlorobenzene	ND	1.0	µg/L
1,1,1-Trichloroethane	ND	1.0	µg/L
1,1,2-Trichloroethane	ND	1.0	µg/L
Trichloroethylene	ND	1.0	µg/L
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L
1,2,3-Trimethylbenzene	ND	0.50	µg/L

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B337744 - SW-846 5030B										
Blank (B337744-BLK1)										
Prepared: 04/20/23 Analyzed: 04/22/23										
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	28.2		µg/L	25.0		113	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	22.7		µg/L	25.0		90.8	70-130			
LCS (B337744-BS1)										
Prepared: 04/20/23 Analyzed: 04/22/23										
Acetone	112	50	µg/L	100		112	70-160			†
Benzene	10.5	1.0	µg/L	10.0		105	70-130			
Bromochloromethane	11.6	1.0	µg/L	10.0		116	70-130			
Bromodichloromethane	11.2	0.50	µg/L	10.0		112	70-130			
Bromoform	8.97	1.0	µg/L	10.0		89.7	70-130			
Bromomethane	12.0	2.0	µg/L	10.0		120	40-160			†
2-Butanone (MEK)	114	20	µg/L	100		114	40-160			†
tert-Butyl Alcohol (TBA)	87.8	20	µg/L	100		87.8	40-160			†
Carbon Disulfide	101	5.0	µg/L	100		101	70-130			
Carbon Tetrachloride	11.0	5.0	µg/L	10.0		110	70-130			
Chlorobenzene	9.84	1.0	µg/L	10.0		98.4	70-130			
Chlorodibromomethane	10.1	0.50	µg/L	10.0		101	70-130			
Chloroethane	10.5	2.0	µg/L	10.0		105	70-130			
Chloroform	10.9	2.0	µg/L	10.0		109	70-130			
Chloromethane	10.3	2.0	µg/L	10.0		103	40-160			†
Cyclohexane	11.2	5.0	µg/L	10.0		112	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.26	5.0	µg/L	10.0		92.6	70-130			
1,2-Dibromoethane (EDB)	11.1	0.50	µg/L	10.0		111	70-130			
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
1,4-Dichlorobenzene	9.51	1.0	µg/L	10.0		95.1	70-130			
Dichlorodifluoromethane (Freon 12)	12.9	2.0	µg/L	10.0		129	40-160		V-20	†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
1,2-Dichloroethane	11.5	1.0	µg/L	10.0		115	70-130			
1,1-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
1,2-Dichloropropane	10.9	1.0	µg/L	10.0		109	70-130			
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130			
trans-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130			
1,4-Dioxane	88.7	50	µg/L	100		88.7	40-130			†
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
2-Hexanone (MBK)	112	10	µg/L	100		112	70-160			†
Isopropylbenzene (Cumene)	9.73	1.0	µg/L	10.0		97.3	70-130			
Methyl Acetate	9.17	1.0	µg/L	10.0		91.7	70-130			
Methyl tert-Butyl Ether (MTBE)	10.8	1.0	µg/L	10.0		108	70-130			
Methyl Cyclohexane	11.5	1.0	µg/L	10.0		115	70-130			
Methylene Chloride	10.4	5.0	µg/L	10.0		104	70-130			
4-Methyl-2-pentanone (MIBK)	110	10	µg/L	100		110	70-160			†
Styrene	9.91	1.0	µg/L	10.0		99.1	70-130			
1,1,2,2-Tetrachloroethane	9.48	0.50	µg/L	10.0		94.8	70-130			

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

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

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

Batch B337744 - SW-846 5030B
LCS (B337744-BS1)

Prepared: 04/20/23 Analyzed: 04/22/23

Tetrachloroethylene	11.2	1.0	µg/L	10.0		112	70-130			
Toluene	10.9	1.0	µg/L	10.0		109	70-130			
1,2,3-Trichlorobenzene	8.12	5.0	µg/L	10.0		81.2	70-130			
1,2,4-Trichlorobenzene	8.87	1.0	µg/L	10.0		88.7	70-130			
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130			
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Trichlorofluoromethane (Freon 11)	11.2	2.0	µg/L	10.0		112	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	1.0	µg/L	10.0		109	70-130			
1,2,3-Trimethylbenzene	10.6	0.50	µg/L	10.0		106	70-130			
1,2,4-Trimethylbenzene	9.91	1.0	µg/L	10.0		99.1	70-130			
1,3,5-Trimethylbenzene	9.95	1.0	µg/L	10.0		99.5	70-130			
Vinyl Chloride	12.3	2.0	µg/L	10.0		123	40-160			†
m+p Xylene	19.9	2.0	µg/L	20.0		99.6	70-130			
o-Xylene	9.78	1.0	µg/L	10.0		97.8	70-130			
Xylenes (total)	29.7	1.0	µg/L	30.0		99.0	0-200			

Surrogate: 1,2-Dichloroethane-d4	28.0		µg/L	25.0		112	70-130			
Surrogate: Toluene-d8	26.1		µg/L	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	23.1		µg/L	25.0		92.4	70-130			

LCS Dup (B337744-BS1)

Prepared: 04/20/23 Analyzed: 04/22/23

Acetone	109	50	µg/L	100		109	70-160	3.29	25	†
Benzene	10.1	1.0	µg/L	10.0		101	70-130	3.20	25	
Bromochloromethane	11.1	1.0	µg/L	10.0		111	70-130	3.88	25	
Bromodichloromethane	11.2	0.50	µg/L	10.0		112	70-130	0.178	25	
Bromoform	8.69	1.0	µg/L	10.0		86.9	70-130	3.17	25	
Bromomethane	11.2	2.0	µg/L	10.0		112	40-160	7.04	25	†
2-Butanone (MEK)	111	20	µg/L	100		111	40-160	2.96	25	†
tert-Butyl Alcohol (TBA)	83.9	20	µg/L	100		83.9	40-160	4.53	25	†
Carbon Disulfide	96.3	5.0	µg/L	100		96.3	70-130	4.78	25	
Carbon Tetrachloride	10.4	5.0	µg/L	10.0		104	70-130	5.15	25	
Chlorobenzene	9.66	1.0	µg/L	10.0		96.6	70-130	1.85	25	
Chlorodibromomethane	10.1	0.50	µg/L	10.0		101	70-130	0.00	25	
Chloroethane	9.27	2.0	µg/L	10.0		92.7	70-130	12.2	25	
Chloroform	10.4	2.0	µg/L	10.0		104	70-130	4.61	25	
Chloromethane	10.2	2.0	µg/L	10.0		102	40-160	1.27	25	†
Cyclohexane	10.7	5.0	µg/L	10.0		107	70-130	4.30	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.56	5.0	µg/L	10.0		85.6	70-130	7.86	25	
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130	2.46	25	
1,2-Dichlorobenzene	9.72	1.0	µg/L	10.0		97.2	70-130	3.83	25	
1,3-Dichlorobenzene	9.45	1.0	µg/L	10.0		94.5	70-130	10.8	25	
1,4-Dichlorobenzene	9.01	1.0	µg/L	10.0		90.1	70-130	5.40	25	
Dichlorodifluoromethane (Freon 12)	12.2	2.0	µg/L	10.0		122	40-160	6.14	25	V-20 †
1,1-Dichloroethane	9.97	1.0	µg/L	10.0		99.7	70-130	5.94	25	
1,2-Dichloroethane	11.1	1.0	µg/L	10.0		111	70-130	3.28	25	
1,1-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	2.20	25	
cis-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	2.58	25	
trans-1,2-Dichloroethylene	9.90	1.0	µg/L	10.0		99.0	70-130	6.45	25	
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130	1.29	25	
cis-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130	0.677	25	
trans-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130	0.873	25	
1,4-Dioxane	95.8	50	µg/L	100		95.8	40-130	7.65	50	† ‡

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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 B337744 - SW-846 5030B
LCS Dup (B337744-BSD1)

Prepared: 04/20/23 Analyzed: 04/22/23

Ethylbenzene	9.75	1.0	µg/L	10.0		97.5	70-130	5.00	25	
2-Hexanone (MBK)	107	10	µg/L	100		107	70-160	4.50	25	†
Isopropylbenzene (Cumene)	9.48	1.0	µg/L	10.0		94.8	70-130	2.60	25	
Methyl Acetate	8.60	1.0	µg/L	10.0		86.0	70-130	6.42	25	
Methyl tert-Butyl Ether (MTBE)	10.2	1.0	µg/L	10.0		102	70-130	5.25	25	
Methyl Cyclohexane	11.6	1.0	µg/L	10.0		116	70-130	0.346	25	
Methylene Chloride	9.96	5.0	µg/L	10.0		99.6	70-130	4.51	25	
4-Methyl-2-pentanone (MIBK)	104	10	µg/L	100		104	70-160	4.85	25	†
Styrene	9.47	1.0	µg/L	10.0		94.7	70-130	4.54	25	
1,1,2,2-Tetrachloroethane	9.05	0.50	µg/L	10.0		90.5	70-130	4.64	25	
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130	5.78	25	
Toluene	10.6	1.0	µg/L	10.0		106	70-130	3.16	25	
1,2,3-Trichlorobenzene	7.99	5.0	µg/L	10.0		79.9	70-130	1.61	25	
1,2,4-Trichlorobenzene	8.10	1.0	µg/L	10.0		81.0	70-130	9.07	25	
1,1,1-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	2.77	25	
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130	0.370	25	
Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	2.38	25	
Trichlorofluoromethane (Freon 11)	10.5	2.0	µg/L	10.0		105	70-130	6.09	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2	1.0	µg/L	10.0		102	70-130	6.37	25	
1,2,3-Trimethylbenzene	10.0	0.50	µg/L	10.0		100	70-130	6.11	25	
1,2,4-Trimethylbenzene	8.92	1.0	µg/L	10.0		89.2	70-130	10.5	25	
1,3,5-Trimethylbenzene	9.42	1.0	µg/L	10.0		94.2	70-130	5.47	25	
Vinyl Chloride	11.8	2.0	µg/L	10.0		118	40-160	4.49	25	†
m+p Xylene	19.4	2.0	µg/L	20.0		96.9	70-130	2.70	25	
o-Xylene	9.35	1.0	µg/L	10.0		93.5	70-130	4.50	25	
Xylenes (total)	28.7	1.0	µg/L	30.0		95.8	0-200	3.29		
Surrogate: 1,2-Dichloroethane-d4	28.4		µg/L	25.0		114	70-130			
Surrogate: Toluene-d8	26.3		µg/L	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	23.7		µg/L	25.0		94.9	70-130			

Batch B337745 - SW-846 5030B
Blank (B337745-BLK1)

Prepared: 04/20/23 Analyzed: 04/23/23

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							

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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 B337745 - SW-846 5030B
Blank (B337745-BLK1)

Prepared: 04/20/23 Analyzed: 04/23/23

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							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	27.8		µg/L	25.0		111	70-130			
Surrogate: Toluene-d8	26.2		µg/L	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	22.0		µg/L	25.0		87.8	70-130			

LCS (B337745-BS1)

Prepared: 04/20/23 Analyzed: 04/23/23

Acetone	100	50	µg/L	100		100	70-160			†
Benzene	10.7	1.0	µg/L	10.0		107	70-130			
Bromochloromethane	11.7	1.0	µg/L	10.0		117	70-130			
Bromodichloromethane	10.7	0.50	µg/L	10.0		107	70-130			
Bromoform	8.36	1.0	µg/L	10.0		83.6	70-130			
Bromomethane	9.98	2.0	µg/L	10.0		99.8	40-160			†
2-Butanone (MEK)	106	20	µg/L	100		106	40-160			†
Carbon Disulfide	89.1	5.0	µg/L	100		89.1	70-130			
Carbon Tetrachloride	9.89	5.0	µg/L	10.0		98.9	70-130			
Chlorobenzene	9.52	1.0	µg/L	10.0		95.2	70-130			
Chlorodibromomethane	9.78	0.50	µg/L	10.0		97.8	70-130			
Chloroethane	9.89	2.0	µg/L	10.0		98.9	70-130			
Chloroform	10.7	2.0	µg/L	10.0		107	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 B337745 - SW-846 5030B										
LCS (B337745-BS1)										
Prepared: 04/20/23 Analyzed: 04/23/23										
Chloromethane	9.42	2.0	µg/L	10.0		94.2	40-160			†
Cyclohexane	10.8	5.0	µg/L	10.0		108	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.27	5.0	µg/L	10.0		92.7	70-130			
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130			
1,2-Dichlorobenzene	9.79	1.0	µg/L	10.0		97.9	70-130			
1,3-Dichlorobenzene	9.76	1.0	µg/L	10.0		97.6	70-130			
1,4-Dichlorobenzene	9.39	1.0	µg/L	10.0		93.9	70-130			
Dichlorodifluoromethane (Freon 12)	12.3	2.0	µg/L	10.0		123	40-160			†
1,1-Dichloroethane	9.47	1.0	µg/L	10.0		94.7	70-130			
1,2-Dichloroethane	11.7	1.0	µg/L	10.0		117	70-130			
1,1-Dichloroethylene	9.75	1.0	µg/L	10.0		97.5	70-130			
cis-1,2-Dichloroethylene	9.64	1.0	µg/L	10.0		96.4	70-130			
trans-1,2-Dichloroethylene	9.50	1.0	µg/L	10.0		95.0	70-130			
1,2-Dichloropropane	11.2	1.0	µg/L	10.0		112	70-130			
cis-1,3-Dichloropropene	9.38	0.50	µg/L	10.0		93.8	70-130			
trans-1,3-Dichloropropene	9.50	0.50	µg/L	10.0		95.0	70-130			
1,4-Dioxane	106	50	µg/L	100		106	40-130			†
Ethylbenzene	9.92	1.0	µg/L	10.0		99.2	70-130			
2-Hexanone (MBK)	104	10	µg/L	100		104	70-160			†
Isopropylbenzene (Cumene)	9.35	1.0	µg/L	10.0		93.5	70-130			
Methyl Acetate	8.34	1.0	µg/L	10.0		83.4	70-130			
Methyl tert-Butyl Ether (MTBE)	10.2	1.0	µg/L	10.0		102	70-130			
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104	70-130			
Methylene Chloride	9.62	5.0	µg/L	10.0		96.2	70-130			
4-Methyl-2-pentanone (MIBK)	105	10	µg/L	100		105	70-160			†
Styrene	9.43	1.0	µg/L	10.0		94.3	70-130			
1,1,2,2-Tetrachloroethane	8.95	0.50	µg/L	10.0		89.5	70-130			
Tetrachloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
Toluene	10.4	1.0	µg/L	10.0		104	70-130			
1,2,3-Trichlorobenzene	8.10	5.0	µg/L	10.0		81.0	70-130			
1,2,4-Trichlorobenzene	8.58	1.0	µg/L	10.0		85.8	70-130			
1,1,1-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130			
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
Trichloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
Trichlorofluoromethane (Freon 11)	10.3	2.0	µg/L	10.0		103	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.58	1.0	µg/L	10.0		95.8	70-130			
Vinyl Chloride	11.3	2.0	µg/L	10.0		113	40-160			†
m+p Xylene	19.6	2.0	µg/L	20.0		98.2	70-130			
o-Xylene	9.63	1.0	µg/L	10.0		96.3	70-130			
Xylenes (total)	29.3	1.0	µg/L	30.0		97.5	0-200			
Surrogate: 1,2-Dichloroethane-d4	27.8		µg/L	25.0		111	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	24.1		µg/L	25.0		96.3	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B337745 - SW-846 5030B										
LCS Dup (B337745-BSD1)										
Prepared: 04/20/23 Analyzed: 04/23/23										
Acetone	105	50	µg/L	100		105	70-160	5.03	25	†
Benzene	11.0	1.0	µg/L	10.0		110	70-130	3.32	25	
Bromochloromethane	11.7	1.0	µg/L	10.0		117	70-130	0.341	25	
Bromodichloromethane	11.2	0.50	µg/L	10.0		112	70-130	4.48	25	
Bromoform	8.57	1.0	µg/L	10.0		85.7	70-130	2.48	25	
Bromomethane	10.5	2.0	µg/L	10.0		105	40-160	4.89	25	†
2-Butanone (MEK)	109	20	µg/L	100		109	40-160	3.12	25	†
Carbon Disulfide	90.7	5.0	µg/L	100		90.7	70-130	1.71	25	
Carbon Tetrachloride	10.4	5.0	µg/L	10.0		104	70-130	5.03	25	
Chlorobenzene	9.69	1.0	µg/L	10.0		96.9	70-130	1.77	25	
Chlorodibromomethane	9.72	0.50	µg/L	10.0		97.2	70-130	0.615	25	
Chloroethane	9.65	2.0	µg/L	10.0		96.5	70-130	2.46	25	
Chloroform	10.7	2.0	µg/L	10.0		107	70-130	0.00	25	
Chloromethane	10.4	2.0	µg/L	10.0		104	40-160	9.50	25	†
Cyclohexane	10.3	5.0	µg/L	10.0		103	70-130	4.85	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.00	5.0	µg/L	10.0		90.0	70-130	2.96	25	
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130	3.68	25	
1,2-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	2.22	25	
1,3-Dichlorobenzene	9.57	1.0	µg/L	10.0		95.7	70-130	1.97	25	
1,4-Dichlorobenzene	9.23	1.0	µg/L	10.0		92.3	70-130	1.72	25	
Dichlorodifluoromethane (Freon 12)	12.0	2.0	µg/L	10.0		120	40-160	2.80	25	†
1,1-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130	7.62	25	
1,2-Dichloroethane	11.7	1.0	µg/L	10.0		117	70-130	0.342	25	
1,1-Dichloroethylene	9.96	1.0	µg/L	10.0		99.6	70-130	2.13	25	
cis-1,2-Dichloroethylene	9.93	1.0	µg/L	10.0		99.3	70-130	2.96	25	
trans-1,2-Dichloroethylene	9.70	1.0	µg/L	10.0		97.0	70-130	2.08	25	
1,2-Dichloropropane	11.1	1.0	µg/L	10.0		111	70-130	0.627	25	
cis-1,3-Dichloropropene	9.80	0.50	µg/L	10.0		98.0	70-130	4.38	25	
trans-1,3-Dichloropropene	9.65	0.50	µg/L	10.0		96.5	70-130	1.57	25	
1,4-Dioxane	93.6	50	µg/L	100		93.6	40-130	12.4	50	† ‡
Ethylbenzene	9.66	1.0	µg/L	10.0		96.6	70-130	2.66	25	
2-Hexanone (MBK)	104	10	µg/L	100		104	70-160	0.538	25	†
Isopropylbenzene (Cumene)	9.39	1.0	µg/L	10.0		93.9	70-130	0.427	25	
Methyl Acetate	8.86	1.0	µg/L	10.0		88.6	70-130	6.05	25	
Methyl tert-Butyl Ether (MTBE)	10.6	1.0	µg/L	10.0		106	70-130	3.66	25	
Methyl Cyclohexane	10.2	1.0	µg/L	10.0		102	70-130	1.94	25	
Methylene Chloride	10.3	5.0	µg/L	10.0		103	70-130	6.54	25	
4-Methyl-2-pentanone (MIBK)	105	10	µg/L	100		105	70-160	0.190	25	†
Styrene	9.46	1.0	µg/L	10.0		94.6	70-130	0.318	25	
1,1,2,2-Tetrachloroethane	9.36	0.50	µg/L	10.0		93.6	70-130	4.48	25	
Tetrachloroethylene	9.78	1.0	µg/L	10.0		97.8	70-130	3.12	25	
Toluene	10.3	1.0	µg/L	10.0		103	70-130	0.581	25	
1,2,3-Trichlorobenzene	8.52	5.0	µg/L	10.0		85.2	70-130	5.05	25	
1,2,4-Trichlorobenzene	8.39	1.0	µg/L	10.0		83.9	70-130	2.24	25	
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130	3.82	25	
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130	0.571	25	
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	6.52	25	
Trichlorofluoromethane (Freon 11)	10.7	2.0	µg/L	10.0		107	70-130	4.38	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.48	1.0	µg/L	10.0		94.8	70-130	1.05	25	
Vinyl Chloride	11.5	2.0	µg/L	10.0		115	40-160	1.84	25	†
m+p Xylene	19.3	2.0	µg/L	20.0		96.6	70-130	1.64	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 B337745 - SW-846 5030B										
LCS Dup (B337745-BSD1)				Prepared: 04/20/23 Analyzed: 04/23/23						
o-Xylene	9.53	1.0	µg/L	10.0		95.3	70-130	1.04	25	
Xylenes (total)	28.8	1.0	µg/L	30.0		96.1	0-200	1.45		
Surrogate: 1,2-Dichloroethane-d4	28.2		µg/L	25.0		113	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	23.5		µg/L	25.0		94.0	70-130			
Matrix Spike (B337745-MS1)				Source: 23D1967-14 Prepared: 04/20/23 Analyzed: 04/23/23						
Acetone	5100	2500	µg/L	5000	ND	102	70-130			
Benzene	514	50	µg/L	500	ND	103	70-130			
Bromochloromethane	562	50	µg/L	500	ND	112	70-130			
Bromodichloromethane	522	25	µg/L	500	ND	104	70-130			
Bromoform	398	50	µg/L	500	ND	79.7	70-130			
Bromomethane	522	100	µg/L	500	ND	104	70-130			
2-Butanone (MEK)	5370	1000	µg/L	5000	ND	107	70-130			
Carbon Disulfide	4500	250	µg/L	5000	ND	90.0	70-130			
Carbon Tetrachloride	543	250	µg/L	500	ND	109	70-130			
Chlorobenzene	478	50	µg/L	500	ND	95.7	70-130			
Chlorodibromomethane	470	25	µg/L	500	ND	94.0	70-130			
Chloroethane	502	100	µg/L	500	ND	100	70-130			
Chloroform	528	100	µg/L	500	ND	106	70-130			
Chloromethane	488	100	µg/L	500	ND	97.6	70-130			
Cyclohexane	540	250	µg/L	500	ND	108	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	457	250	µg/L	500	ND	91.4	70-130			
1,2-Dibromoethane (EDB)	519	25	µg/L	500	ND	104	70-130			
1,2-Dichlorobenzene	470	50	µg/L	500	ND	94.1	70-130			
1,3-Dichlorobenzene	460	50	µg/L	500	ND	92.0	70-130			
1,4-Dichlorobenzene	438	50	µg/L	500	ND	87.5	70-130			
Dichlorodifluoromethane (Freon 12)	620	100	µg/L	500	ND	124	70-130			
1,1-Dichloroethane	514	50	µg/L	500	ND	103	70-130			
1,2-Dichloroethane	563	50	µg/L	500	ND	113	70-130			
1,1-Dichloroethylene	511	50	µg/L	500	ND	102	70-130			
cis-1,2-Dichloroethylene	522	50	µg/L	500	32.0	97.9	70-130			
trans-1,2-Dichloroethylene	482	50	µg/L	500	ND	96.3	70-130			
1,2-Dichloropropane	541	50	µg/L	500	ND	108	70-130			
cis-1,3-Dichloropropene	404	25	µg/L	500	ND	80.7	70-130			
trans-1,3-Dichloropropene	397	25	µg/L	500	ND	79.4	70-130			
1,4-Dioxane	3860	2500	µg/L	5000	ND	77.2	70-130			
Ethylbenzene	486	50	µg/L	500	ND	97.2	70-130			
2-Hexanone (MBK)	4880	500	µg/L	5000	ND	97.6	70-130			
Isopropylbenzene (Cumene)	459	50	µg/L	500	ND	91.8	70-130			
Methyl Acetate	394	50	µg/L	500	ND	78.8	70-130			
Methyl tert-Butyl Ether (MTBE)	513	50	µg/L	500	ND	103	70-130			
Methyl Cyclohexane	514	50	µg/L	500	ND	103	70-130			
Methylene Chloride	510	250	µg/L	500	ND	102	70-130			
4-Methyl-2-pentanone (MIBK)	4740	500	µg/L	5000	ND	94.7	70-130			
Styrene	452	50	µg/L	500	ND	90.3	70-130			
1,1,2,2-Tetrachloroethane	425	25	µg/L	500	ND	85.0	70-130			
Tetrachloroethylene	484	50	µg/L	500	ND	96.8	70-130			
Toluene	506	50	µg/L	500	ND	101	70-130			
1,2,3-Trichlorobenzene	340	250	µg/L	500	ND	68.1	* 70-130			MS-24
1,2,4-Trichlorobenzene	354	50	µg/L	500	ND	70.7	70-130			
1,1,1-Trichloroethane	540	50	µg/L	500	ND	108	70-130			

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B337745 - SW-846 5030B										
Matrix Spike (B337745-MS1)	Source: 23D1967-14			Prepared: 04/20/23 Analyzed: 04/23/23						
1,1,2-Trichloroethane	533	50	µg/L	500	ND	107	70-130			
Trichloroethylene	3950	50	µg/L	500	3400	110	70-130			
Trichlorofluoromethane (Freon 11)	560	100	µg/L	500	ND	112	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	494	50	µg/L	500	ND	98.9	70-130			
Vinyl Chloride	628	100	µg/L	500	ND	126	70-130			
m+p Xylene	937	100	µg/L	1000	ND	93.7	70-130			
o-Xylene	468	50	µg/L	500	ND	93.7	70-130			
Xylenes (total)	1410	50	µg/L	1500	ND	93.7	0-200			
Surrogate: 1,2-Dichloroethane-d4	28.8		µg/L	25.0		115	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	23.7		µg/L	25.0		94.8	70-130			
Matrix Spike Dup (B337745-MSD1)	Source: 23D1967-14			Prepared: 04/20/23 Analyzed: 04/23/23						
Acetone	5350	2500	µg/L	5000	ND	107	70-130	4.77	30	
Benzene	528	50	µg/L	500	ND	106	70-130	2.59	30	
Bromochloromethane	562	50	µg/L	500	ND	112	70-130	0.00	30	
Bromodichloromethane	511	25	µg/L	500	ND	102	70-130	2.23	30	
Bromoform	388	50	µg/L	500	ND	77.5	70-130	2.80	30	
Bromomethane	552	100	µg/L	500	ND	110	70-130	5.59	30	
2-Butanone (MEK)	5530	1000	µg/L	5000	ND	111	70-130	2.90	30	
Carbon Disulfide	4720	250	µg/L	5000	ND	94.5	70-130	4.85	30	
Carbon Tetrachloride	546	250	µg/L	500	ND	109	70-130	0.551	30	
Chlorobenzene	478	50	µg/L	500	ND	95.7	70-130	0.00	30	
Chlorodibromomethane	494	25	µg/L	500	ND	98.9	70-130	5.08	30	
Chloroethane	482	100	µg/L	500	ND	96.3	70-130	4.07	30	
Chloroform	528	100	µg/L	500	ND	106	70-130	0.0947	30	
Chloromethane	506	100	µg/L	500	ND	101	70-130	3.72	30	
Cyclohexane	563	250	µg/L	500	ND	113	70-130	4.08	30	
1,2-Dibromo-3-chloropropane (DBCP)	446	250	µg/L	500	ND	89.3	70-130	2.32	30	
1,2-Dibromoethane (EDB)	532	25	µg/L	500	ND	106	70-130	2.47	30	
1,2-Dichlorobenzene	478	50	µg/L	500	ND	95.6	70-130	1.58	30	
1,3-Dichlorobenzene	484	50	µg/L	500	ND	96.8	70-130	5.08	30	
1,4-Dichlorobenzene	470	50	µg/L	500	ND	93.9	70-130	7.06	30	
Dichlorodifluoromethane (Freon 12)	628	100	µg/L	500	ND	126	70-130	1.20	30	
1,1-Dichloroethane	528	50	µg/L	500	ND	106	70-130	2.59	30	
1,2-Dichloroethane	581	50	µg/L	500	ND	116	70-130	3.15	30	
1,1-Dichloroethylene	542	50	µg/L	500	ND	108	70-130	5.98	30	
cis-1,2-Dichloroethylene	545	50	µg/L	500	32.0	103	70-130	4.41	30	
trans-1,2-Dichloroethylene	512	50	µg/L	500	ND	102	70-130	6.04	30	
1,2-Dichloropropane	540	50	µg/L	500	ND	108	70-130	0.185	30	
cis-1,3-Dichloropropene	419	25	µg/L	500	ND	83.8	70-130	3.77	30	
trans-1,3-Dichloropropene	430	25	µg/L	500	ND	86.0	70-130	7.98	30	
1,4-Dioxane	4280	2500	µg/L	5000	ND	85.7	70-130	10.5	30	
Ethylbenzene	498	50	µg/L	500	ND	99.7	70-130	2.54	30	
2-Hexanone (MBK)	5100	500	µg/L	5000	ND	102	70-130	4.42	30	
Isopropylbenzene (Cumene)	470	50	µg/L	500	ND	94.0	70-130	2.37	30	
Methyl Acetate	421	50	µg/L	500	ND	84.2	70-130	6.63	30	
Methyl tert-Butyl Ether (MTBE)	520	50	µg/L	500	ND	104	70-130	1.36	30	
Methyl Cyclohexane	538	50	µg/L	500	ND	108	70-130	4.66	30	
Methylene Chloride	508	250	µg/L	500	ND	102	70-130	0.491	30	
4-Methyl-2-pentanone (MIBK)	5170	500	µg/L	5000	ND	103	70-130	8.76	30	
Styrene	465	50	µg/L	500	ND	93.0	70-130	2.95	30	

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B337745 - SW-846 5030B										
Matrix Spike Dup (B337745-MSD1)	Source: 23D1967-14			Prepared: 04/20/23 Analyzed: 04/23/23						
1,1,2,2-Tetrachloroethane	462	25	µg/L	500	ND	92.3	70-130	8.23	30	
Tetrachloroethylene	508	50	µg/L	500	ND	102	70-130	4.84	30	
Toluene	524	50	µg/L	500	ND	105	70-130	3.40	30	
1,2,3-Trichlorobenzene	373	250	µg/L	500	ND	74.6	70-130	9.11	30	
1,2,4-Trichlorobenzene	386	50	µg/L	500	ND	77.3	70-130	8.92	30	
1,1,1-Trichloroethane	559	50	µg/L	500	ND	112	70-130	3.37	30	
1,1,2-Trichloroethane	534	50	µg/L	500	ND	107	70-130	0.187	30	
Trichloroethylene	4100	50	µg/L	500	3400	140	*	70-130	3.63	30 MS-19
Trichlorofluoromethane (Freon 11)	572	100	µg/L	500	ND	114	70-130	2.21	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	522	50	µg/L	500	ND	104	70-130	5.41	30	
Vinyl Chloride	607	100	µg/L	500	ND	121	70-130	3.48	30	
m+p Xylene	970	100	µg/L	1000	ND	97.0	70-130	3.51	20	
o-Xylene	481	50	µg/L	500	ND	96.2	70-130	2.63	30	
Xylenes (total)	1450	50	µg/L	1500	ND	96.8	0-200	3.22		
Surrogate: 1,2-Dichloroethane-d4	27.9		µg/L	25.0		112	70-130			
Surrogate: Toluene-d8	25.8		µg/L	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	23.3		µg/L	25.0		93.2	70-130			

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
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.
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.

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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
<i>SW-846 8260D in Water</i>	
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

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

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023

CHAIN OF CUSTODY *KM*

**Client: New York State Dept. of
Environmental Conservation**

PAGE 1 OF 2

NYSDEC Site No.: 907016

CLIENT/REPORTING INFORMATION			PROJECT INFORMATION					BILLING INFORMATION											REQUESTED ANALYSIS (see Test Code sheet)							LAB USE ONLY
Groundwater & Environmental Services, Inc. 6010 North Bailey Avenue #1, Amherst, NY Project Manager: Thomas Palmer Phone #: 716-481-1964 tpalmer@gesonline.com fax			Project Name: NYSDEC/Frewsburg/NY/FalconerSt/300 Project Address: 300 Falconer Street, Frewsburg, NY Project PSID #: 964390					Groundwater & Environmental Services, Inc. ges-invoices@gesonline.com ATTN: Accounts Payable Invoice Instructions NYSDEC Site No.: 907016 Lab Manager: Kyle Murray																		
Sampler(s) Name: Barbara Delaney			Sampler(s) Name:					number of preserved bottles																		
Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MeOH	ENCORE	Amber	8260C - TCLVOCs OLM04.2 list	MS/MSD								
1	MW-1	1	4/14/23	0920	BD	WG	2	X									X									
2	MW-2	1	4/13/23	1440	BD	WG	2	X									X									
3	MW-3	1	4/13/23	1725	BD	WG	2	X									X									
4	MW-4	1	4/13/23	1610	BD	WG	2	X									X									
5	MW-4D	1	4/12/23	1700	BD	WG	2	X									X									
6	MW-5	1	4/12/23	1500	BD	WG	2	X									X									
7	MW-5D	1	4/12/23	1350	BD	WG	2	X									X									
8	MW-6	1	4/13/23	1305	BD	WG	2	X									X									
9	MW-7	1	4/12/23	1145	BD	WG	2	X									X									
10	MW-8	1	4/13/23	0900	BD	WG	2	X									X									
11	MW-9R	1	4/13/23	1605	BD	WG	2	X									X									
12	MW-10	1	4/13/23	1035	BD	WG	2	X									X									

**Turnaround Time
(Business Days)**

Lab PM Approval / Date

Laboratory Information

- ☒ Standard 14 days
☐ 1 day RUSH
☐ Other _____ days

Lab: Contest-Pace

Address: 39 Spruce St E Longmeadow, MA 01028

Phone: 413-525-2332

Lab PM: Kyle Murray

Lab PM Email: Kyle.Murray@pacelabs.com

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
- ☐ Commercial 'B" (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C' (Level 4) = Results + QC Summary + Partial Raw Data + Partial Raw Data
- ☐ NJ Data of Known Quality Protocol Reporting
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☒ EDD Format NYSDEC Equis
- ☒ Other GES EQEDD

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/Frewsburg/NY/FalconerSt/300_LabReport#.27908.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.

Relinquished By Sampler: 1 Babara Delany	Date / Time: 4/13/23 1940	Received By: 1 CES Fridge
Relinquished By: 2 @ Babara Delany	Date / Time: 4/14/23 1730	Received By: 2 CES Fridge
Relinquished By: 3 Babara Delany	Date / Time: 4/17/23 0730	Received By: 3 <i>Ammy</i> 4/15/23
Custody Seal Number: ☐ Intact ☐ Not Intact	☐ Preserved where applicable ☐ On Ice Cooler Temp _____	



NYSDEC Site No.: 907016

FED-EX Tracking #	Bottle Order Control #
Lab Quote #	Lab Job #

[illegible]

**Turnaround Time
(Business Days)**

Lab PM Approval / Date

Laboratory information

- ☒ Standard 14 days
☐ 1 day RUSH
☐ Other _____ days

Lab: Contest-Pace

Address: 39 Spruce St E Longmeadow, MA 01028

Phone: 413-525-2332

Lab PM: Kyle Murray

Lab PM Email: Kyle.Murray@pacelabs.com

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
- ☐ Commercial 'B' (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C'
- ☐ *NJ Data of Known Quality Protocol Reporting*
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☒ EDD Format NYSDEC EQUIS
- ☒ Other GES EDD

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/Frewsburg/NY/FalconerSt/300 LabReport#.27908.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Sampler:	Date/Time:	Received By:	
1 Babara Delany	1 4/13/23 1940	1 GES Fridge	
Relinquished By:	Date/Time:	Received By:	
2 Babara Delany	2 4/14/23 1730	2 GES Fridge	
Relinquished By:	Date/Time:	Received By:	
3 Babara Delany	3 4/17/23 0730	3 Luperon 23 4/18/23	
Custody Seal Number:	Intact	Preserved where applicable	
	☐ Not Intact	☐ On Ice ☐ Cooler Temp _____	

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Tuesday

4/18/2023 at 9:59 am

Signed for by: L.AROYO

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DELIVERY STATUS

Delivered

TRACKING ID

791345502600

FROM

AMHERST, NY US

Label Created

3/24/2023 9:32 AM

PACKAGE RECEIVED BY FEDEX

CHEEKTOWAGA, NY

4/17/2023 1:45 PM

IN TRANSIT

WINDSOR LOCKS, CT

4/18/2023 7:42 AM

OUT FOR DELIVERY

WINDSOR LOCKS, CT

4/18/2023 8:55 AM

DELIVERED

East Longmeadow, MA US

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4/18/2023 at 9:59 AM

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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



Client BGS
Project Frewsburg/N/Falconer St/300
MCP/RCP Required N/A
Deliverable Package Req. N/A
Location 300 Falconer Street, Frewsburg/N
PWSID# (When Applicable) N/A
Arrival Method:
Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐
Received By / Date / Time LA 4/18/23 959
Back-Sheet By / Date / Time LA 4/18/23 1228
Temperature Method gun # 5
Temp ☒ < 6° C Actual Temperature 2.3
Rush Samples: Yes / ☒ No / Notify
Short Hold: Yes / ☒ No / Notify

Notes regarding Samples/COC outside of SOP:

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

Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	Na2S2O3	Other Preservative
1L Amber Plastic								
500 mL Amber Plastic								
250 mL Amber Plastic								
Other Amber Clear Plastic								
16oz Amber Clear								
8oz Amber Clear								
4oz Amber Clear								
2oz Amber Clear								
Col/Bacteria								
Flashpoint								
Plastic Bag								
SOC Kit								
Perchlorate								
Encore								
Frozen								
Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials	<u>N/A</u>	<u>46</u>						

November 10, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23K0709

Enclosed are results of analyses for samples as received by the laboratory on November 4, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 11/10/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23K0709

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

PROJECT LOCATION: 300 Falconer Street, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-2	23K0709-01	Ground Water		SW-846 8260D	
MW-3	23K0709-02	Ground Water		SW-846 8260D	
MW-4	23K0709-03	Ground Water		SW-846 8260D	
MW-9R	23K0709-04	Ground Water		SW-846 8260D	
MW-11R	23K0709-05	Ground Water		SW-846 8260D	
MW-12	23K0709-06	Ground Water		SW-846 8260D	
MW-13	23K0709-07	Ground Water		SW-846 8260D	
MW-14	23K0709-08	Ground Water		SW-846 8260D	
DUP-1	23K0709-09	Ground Water		SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

SW-846 8260D**Qualifications:**

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.
Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:**2-Hexanone (MBK)**

23K0709-03[MW-4], B357463-MS1, B357463-MSD1

Acetone23K0709-03[MW-4], B357463-MS1, B357463-MSD1

MS-24

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

Analyte & Samples(s) Qualified:**1,2-Dibromo-3-chloropropane (DBCP)**

B357463-MSD1

4-Methyl-2-pentanone (MIBK)B357463-MSD1

V-20

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

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

B357463-BS1, B357463-BSD1, B357463-MS1, B357463-MSD1, S096063-CCV1

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

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



Lisa A. Worthington
Technical Representative

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K0709

Date Received: 11/4/2023

Field Sample #: MW-2

Sampled: 11/2/2023 12:45

Sample ID: 23K0709-01

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	20000	800	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Benzene	ND	400	74	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Bromochloromethane	ND	400	110	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Bromodichloromethane	ND	200	63	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Bromoform	ND	400	160	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Bromomethane	ND	800	530	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
2-Butanone (MEK)	ND	8000	670	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Carbon Disulfide	ND	2000	620	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Carbon Tetrachloride	ND	2000	65	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Chlorobenzene	ND	400	48	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Chlorodibromomethane	ND	200	80	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Chloroethane	ND	800	140	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Chloroform	ND	800	56	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Chloromethane	ND	800	200	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Cyclohexane	ND	2000	710	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	2000	340	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
1,2-Dibromoethane (EDB)	ND	200	64	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
1,2-Dichlorobenzene	ND	400	52	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
1,3-Dichlorobenzene	ND	400	55	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
1,4-Dichlorobenzene	ND	400	51	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Dichlorodifluoromethane (Freon 12)	ND	800	64	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
1,1-Dichloroethane	ND	400	55	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
1,2-Dichloroethane	ND	400	120	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
1,1-Dichloroethylene	ND	400	56	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
cis-1,2-Dichloroethylene	27000	400	56	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
trans-1,2-Dichloroethylene	ND	400	69	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
1,2-Dichloropropane	ND	400	77	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
cis-1,3-Dichloropropene	ND	200	65	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
trans-1,3-Dichloropropene	ND	200	57	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
1,4-Dioxane	ND	20000	7200	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Ethylbenzene	ND	400	88	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
2-Hexanone (MBK)	ND	4000	480	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Isopropylbenzene (Cumene)	ND	400	60	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Methyl Acetate	ND	400	240	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Methyl tert-Butyl Ether (MTBE)	ND	400	68	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Methyl Cyclohexane	ND	400	62	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Methylene Chloride	ND	2000	71	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
4-Methyl-2-pentanone (MIBK)	ND	4000	530	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Styrene	ND	400	60	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
1,1,2,2-Tetrachloroethane	ND	200	55	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Tetrachloroethylene	ND	400	67	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Toluene	ND	400	89	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
1,2,3-Trichlorobenzene	ND	2000	140	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
1,2,4-Trichlorobenzene	ND	400	120	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K0709

Date Received: 11/4/2023

Field Sample #: MW-2

Sampled: 11/2/2023 12:45

Sample ID: 23K0709-01

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	400	60	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
1,1,2-Trichloroethane	ND	400	76	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Trichloroethylene	ND	400	70	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Trichlorofluoromethane (Freon 11)	ND	800	62	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	400	83	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Vinyl Chloride	17000	800	95	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF
Xylenes (total)	ND	400	400	µg/L	400		SW-846 8260D	11/8/23	11/8/23 13:46	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	85.3	70-130	
Toluene-d8	97.5	70-130	
4-Bromofluorobenzene	88.1	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K0709

Date Received: 11/4/2023

Field Sample #: MW-3

Sampled: 11/2/2023 11:30

Sample ID: 23K0709-02

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	500	20	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Benzene	ND	10	1.8	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Bromochloromethane	ND	10	2.8	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Bromodichloromethane	ND	5.0	1.6	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Bromoform	ND	10	4.1	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Bromomethane	ND	20	13	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
2-Butanone (MEK)	ND	200	17	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Carbon Disulfide	ND	50	16	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Carbon Tetrachloride	ND	50	1.6	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Chlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Chlorodibromomethane	ND	5.0	2.0	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Chloroethane	ND	20	3.4	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Chloroform	ND	20	1.4	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Chloromethane	ND	20	5.0	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Cyclohexane	ND	50	18	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	8.5	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
1,2-Dibromoethane (EDB)	ND	5.0	1.6	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
1,2-Dichlorobenzene	ND	10	1.3	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
1,3-Dichlorobenzene	ND	10	1.4	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
1,4-Dichlorobenzene	ND	10	1.3	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Dichlorodifluoromethane (Freon 12)	ND	20	1.6	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
1,1-Dichloroethane	ND	10	1.4	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
1,2-Dichloroethane	ND	10	3.0	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
1,1-Dichloroethylene	1.7	10	1.4	µg/L	10	J	SW-846 8260D	11/8/23	11/8/23 14:12	MFF
cis-1,2-Dichloroethylene	91	10	1.4	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
trans-1,2-Dichloroethylene	ND	10	1.7	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
1,2-Dichloropropane	ND	10	1.9	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
cis-1,3-Dichloropropene	ND	5.0	1.6	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
trans-1,3-Dichloropropene	ND	5.0	1.4	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
1,4-Dioxane	ND	500	180	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Ethylbenzene	ND	10	2.2	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
2-Hexanone (MBK)	ND	100	12	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Isopropylbenzene (Cumene)	ND	10	1.5	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Methyl Acetate	ND	10	6.1	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Methyl tert-Butyl Ether (MTBE)	ND	10	1.7	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Methyl Cyclohexane	ND	10	1.6	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Methylene Chloride	ND	50	1.8	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
4-Methyl-2-pentanone (MIBK)	ND	100	13	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Styrene	ND	10	1.5	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
1,1,2,2-Tetrachloroethane	ND	5.0	1.4	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Tetrachloroethylene	ND	10	1.7	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Toluene	ND	10	2.2	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
1,2,3-Trichlorobenzene	ND	50	3.4	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
1,2,4-Trichlorobenzene	ND	10	3.0	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K0709

Date Received: 11/4/2023

Field Sample #: MW-3

Sampled: 11/2/2023 11:30

Sample ID: 23K0709-02

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	10	1.5	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
1,1,2-Trichloroethane	ND	10	1.9	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Trichloroethylene	810	10	1.7	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Trichlorofluoromethane (Freon 11)	ND	20	1.5	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	2.1	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Vinyl Chloride	ND	20	2.4	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF
Xylenes (total)	ND	10	10	µg/L	10		SW-846 8260D	11/8/23	11/8/23 14:12	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	84.9	70-130	
Toluene-d8	97.5	70-130	
4-Bromofluorobenzene	88.5	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K0709

Date Received: 11/4/2023

Field Sample #: MW-4

Sampled: 11/2/2023 10:24

Sample ID: 23K0709-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10000	400	µg/L	200	MS-07A	SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Benzene	ND	200	37	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Bromochloromethane	ND	200	57	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Bromodichloromethane	ND	100	32	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Bromoform	ND	200	82	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Bromomethane	ND	400	260	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
2-Butanone (MEK)	ND	4000	340	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Carbon Disulfide	ND	1000	310	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Carbon Tetrachloride	ND	1000	33	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Chlorobenzene	ND	200	24	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Chlorodibromomethane	ND	100	40	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Chloroethane	ND	400	68	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Chloroform	ND	400	28	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Chloromethane	ND	400	100	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Cyclohexane	ND	1000	350	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1000	170	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
1,2-Dibromoethane (EDB)	ND	100	32	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
1,2-Dichlorobenzene	ND	200	26	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
1,3-Dichlorobenzene	ND	200	27	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
1,4-Dichlorobenzene	ND	200	26	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	400	32	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
1,1-Dichloroethane	ND	200	27	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
1,2-Dichloroethane	ND	200	61	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
1,1-Dichloroethylene	ND	200	28	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
cis-1,2-Dichloroethylene	280	200	28	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
trans-1,2-Dichloroethylene	ND	200	34	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
1,2-Dichloropropane	ND	200	39	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
cis-1,3-Dichloropropene	ND	100	33	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
trans-1,3-Dichloropropene	ND	100	28	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
1,4-Dioxane	ND	10000	3600	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Ethylbenzene	ND	200	44	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
2-Hexanone (MBK)	ND	2000	240	µg/L	200	MS-07A	SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Isopropylbenzene (Cumene)	ND	200	30	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Methyl Acetate	ND	200	120	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Methyl tert-Butyl Ether (MTBE)	ND	200	34	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Methyl Cyclohexane	ND	200	31	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Methylene Chloride	ND	1000	35	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	2000	260	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Styrene	ND	200	30	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
1,1,2,2-Tetrachloroethane	ND	100	27	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Tetrachloroethylene	ND	200	34	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Toluene	ND	200	45	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
1,2,3-Trichlorobenzene	ND	1000	68	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
1,2,4-Trichlorobenzene	ND	200	60	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K0709

Date Received: 11/4/2023

Field Sample #: MW-4

Sampled: 11/2/2023 10:24

Sample ID: 23K0709-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	200	30	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
1,1,2-Trichloroethane	ND	200	38	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Trichloroethylene	11000	200	35	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Trichlorofluoromethane (Freon 11)	ND	400	31	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	200	42	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Vinyl Chloride	ND	400	47	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF
Xylenes (total)	ND	200	200	µg/L	200		SW-846 8260D	11/8/23	11/8/23 14:39	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	87.1	70-130	
Toluene-d8	98.0	70-130	
4-Bromofluorobenzene	88.9	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K0709

Date Received: 11/4/2023

Field Sample #: MW-9R

Sampled: 11/2/2023 13:25

Sample ID: 23K0709-04

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	ND	1000	40	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Benzene	ND	20	3.7	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Bromochloromethane	ND	20	5.7	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Bromodichloromethane	ND	10	3.2	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Bromoform	ND	20	8.2	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Bromomethane	ND	40	26	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
2-Butanone (MEK)	ND	400	34	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Carbon Disulfide	ND	100	31	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Carbon Tetrachloride	ND	100	3.3	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Chlorobenzene	ND	20	2.4	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Chlorodibromomethane	ND	10	4.0	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Chloroethane	ND	40	6.8	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Chloroform	ND	40	2.8	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Chloromethane	ND	40	10	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Cyclohexane	ND	100	35	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	17	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
1,2-Dibromoethane (EDB)	ND	10	3.2	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
1,2-Dichlorobenzene	ND	20	2.6	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
1,3-Dichlorobenzene	ND	20	2.7	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
1,4-Dichlorobenzene	ND	20	2.6	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Dichlorodifluoromethane (Freon 12)	ND	40	3.2	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
1,1-Dichloroethane	ND	20	2.7	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
1,2-Dichloroethane	ND	20	6.1	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
1,1-Dichloroethylene	4.2	20	2.8	µg/L	20	J	SW-846 8260D	11/8/23	11/8/23 15:06	MFF
cis-1,2-Dichloroethylene	870	20	2.8	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
trans-1,2-Dichloroethylene	15	20	3.4	µg/L	20	J	SW-846 8260D	11/8/23	11/8/23 15:06	MFF
1,2-Dichloropropane	ND	20	3.9	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
cis-1,3-Dichloropropene	ND	10	3.3	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
trans-1,3-Dichloropropene	ND	10	2.8	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
1,4-Dioxane	ND	1000	360	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Ethylbenzene	ND	20	4.4	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
2-Hexanone (MBK)	ND	200	24	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Isopropylbenzene (Cumene)	ND	20	3.0	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Methyl Acetate	ND	20	12	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Methyl tert-Butyl Ether (MTBE)	ND	20	3.4	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Methyl Cyclohexane	ND	20	3.1	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Methylene Chloride	ND	100	3.5	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
4-Methyl-2-pentanone (MIBK)	ND	200	26	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Styrene	ND	20	3.0	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
1,1,2,2-Tetrachloroethane	ND	10	2.7	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Tetrachloroethylene	ND	20	3.4	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Toluene	ND	20	4.5	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
1,2,3-Trichlorobenzene	ND	100	6.8	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
1,2,4-Trichlorobenzene	ND	20	6.0	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K0709

Date Received: 11/4/2023

Field Sample #: MW-9R

Sampled: 11/2/2023 13:25

Sample ID: 23K0709-04

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	20	3.0	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
1,1,2-Trichloroethane	ND	20	3.8	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Trichloroethylene	260	20	3.5	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Trichlorofluoromethane (Freon 11)	ND	40	3.1	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	20	4.2	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Vinyl Chloride	250	40	4.7	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF
Xylenes (total)	ND	20	20	µg/L	20		SW-846 8260D	11/8/23	11/8/23 15:06	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	85.2	70-130	
Toluene-d8	98.0	70-130	
4-Bromofluorobenzene	89.5	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K0709

Date Received: 11/4/2023

Field Sample #: MW-11R

Sampled: 11/2/2023 14:00

Sample ID: 23K0709-05

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	10	200	8.0	µg/L	4	J	SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Benzene	ND	4.0	0.74	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Bromochloromethane	ND	4.0	1.1	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Bromodichloromethane	ND	2.0	0.63	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Bromoform	ND	4.0	1.6	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Bromomethane	ND	8.0	5.3	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
2-Butanone (MEK)	19	80	6.7	µg/L	4	J	SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Carbon Disulfide	ND	20	6.2	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Carbon Tetrachloride	ND	20	0.65	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Chlorobenzene	ND	4.0	0.48	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Chlorodibromomethane	ND	2.0	0.80	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Chloroethane	ND	8.0	1.4	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Chloroform	ND	8.0	0.56	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Chloromethane	ND	8.0	2.0	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Cyclohexane	ND	20	7.1	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	3.4	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
1,2-Dibromoethane (EDB)	ND	2.0	0.64	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
1,2-Dichlorobenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
1,3-Dichlorobenzene	ND	4.0	0.55	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
1,4-Dichlorobenzene	ND	4.0	0.51	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Dichlorodifluoromethane (Freon 12)	ND	8.0	0.64	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
1,1-Dichloroethane	ND	4.0	0.55	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
1,2-Dichloroethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
1,1-Dichloroethylene	0.60	4.0	0.56	µg/L	4	J	SW-846 8260D	11/8/23	11/8/23 15:33	MFF
cis-1,2-Dichloroethylene	150	4.0	0.56	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
trans-1,2-Dichloroethylene	1.2	4.0	0.69	µg/L	4	J	SW-846 8260D	11/8/23	11/8/23 15:33	MFF
1,2-Dichloropropane	ND	4.0	0.77	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
cis-1,3-Dichloropropene	ND	2.0	0.65	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
trans-1,3-Dichloropropene	ND	2.0	0.57	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
1,4-Dioxane	ND	200	72	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Ethylbenzene	ND	4.0	0.88	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
2-Hexanone (MBK)	ND	40	4.8	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Isopropylbenzene (Cumene)	ND	4.0	0.60	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Methyl Acetate	ND	4.0	2.4	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Methyl tert-Butyl Ether (MTBE)	ND	4.0	0.68	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Methyl Cyclohexane	ND	4.0	0.62	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Methylene Chloride	ND	20	0.71	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
4-Methyl-2-pentanone (MIBK)	ND	40	5.3	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Styrene	ND	4.0	0.60	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	0.55	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Tetrachloroethylene	ND	4.0	0.67	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Toluene	ND	4.0	0.89	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
1,2,3-Trichlorobenzene	ND	20	1.4	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
1,2,4-Trichlorobenzene	ND	4.0	1.2	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K0709

Date Received: 11/4/2023

Field Sample #: MW-11R

Sampled: 11/2/2023 14:00

Sample ID: 23K0709-05

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	4.0	0.60	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
1,1,2-Trichloroethane	ND	4.0	0.76	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Trichloroethylene	340	4.0	0.70	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Trichlorofluoromethane (Freon 11)	ND	8.0	0.62	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	0.83	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Vinyl Chloride	2.9	8.0	0.95	µg/L	4	J	SW-846 8260D	11/8/23	11/8/23 15:33	MFF
Xylenes (total)	ND	4.0	4.0	µg/L	4		SW-846 8260D	11/8/23	11/8/23 15:33	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	84.8	70-130	
Toluene-d8	93.7	70-130	
4-Bromofluorobenzene	90.0	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K0709

Date Received: 11/4/2023

Field Sample #: MW-12

Sampled: 11/2/2023 09:30

Sample ID: 23K0709-06

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	2500	100	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Benzene	ND	50	9.2	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Bromochloromethane	ND	50	14	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Bromodichloromethane	ND	25	7.9	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Bromoform	ND	50	20	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Bromomethane	ND	100	66	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
2-Butanone (MEK)	ND	1000	84	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Carbon Disulfide	ND	250	78	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Carbon Tetrachloride	ND	250	8.2	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Chlorobenzene	ND	50	5.9	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Chlorodibromomethane	ND	25	10	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Chloroethane	ND	100	17	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Chloroform	ND	100	7.0	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Chloromethane	ND	100	25	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Cyclohexane	ND	250	88	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	43	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
1,2-Dibromoethane (EDB)	ND	25	8.0	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
1,2-Dichlorobenzene	ND	50	6.5	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
1,3-Dichlorobenzene	ND	50	6.8	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
1,4-Dichlorobenzene	ND	50	6.4	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Dichlorodifluoromethane (Freon 12)	ND	100	8.0	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
1,1-Dichloroethane	ND	50	6.8	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
1,2-Dichloroethane	ND	50	15	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
1,1-Dichloroethylene	ND	50	7.0	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
cis-1,2-Dichloroethylene	96	50	7.0	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
trans-1,2-Dichloroethylene	ND	50	8.6	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
1,2-Dichloropropane	ND	50	9.7	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
cis-1,3-Dichloropropene	ND	25	8.2	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
trans-1,3-Dichloropropene	ND	25	7.1	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
1,4-Dioxane	ND	2500	900	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Ethylbenzene	ND	50	11	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
2-Hexanone (MBK)	ND	500	60	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Isopropylbenzene (Cumene)	ND	50	7.6	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Methyl Acetate	ND	50	30	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Methyl tert-Butyl Ether (MTBE)	ND	50	8.5	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Methyl Cyclohexane	ND	50	7.8	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Methylene Chloride	ND	250	8.8	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
4-Methyl-2-pentanone (MIBK)	ND	500	66	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Styrene	ND	50	7.5	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
1,1,2,2-Tetrachloroethane	ND	25	6.8	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Tetrachloroethylene	ND	50	8.4	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Toluene	ND	50	11	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
1,2,3-Trichlorobenzene	ND	250	17	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
1,2,4-Trichlorobenzene	ND	50	15	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K0709

Date Received: 11/4/2023

Field Sample #: MW-12

Sampled: 11/2/2023 09:30

Sample ID: 23K0709-06

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	50	7.5	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
1,1,2-Trichloroethane	ND	50	9.6	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Trichloroethylene	3900	50	8.7	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Trichlorofluoromethane (Freon 11)	ND	100	7.7	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	50	10	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Vinyl Chloride	ND	100	12	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF
Xylenes (total)	ND	50	50	µg/L	50		SW-846 8260D	11/8/23	11/8/23 15:59	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	87.0	70-130	
Toluene-d8	98.0	70-130	
4-Bromofluorobenzene	88.0	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K0709

Date Received: 11/4/2023

Field Sample #: MW-13

Sampled: 11/1/2023 13:05

Sample ID: 23K0709-07

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	2500	100	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Benzene	ND	50	9.2	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Bromochloromethane	ND	50	14	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Bromodichloromethane	ND	25	7.9	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Bromoform	ND	50	20	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Bromomethane	ND	100	66	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
2-Butanone (MEK)	ND	1000	84	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Carbon Disulfide	ND	250	78	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Carbon Tetrachloride	ND	250	8.2	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Chlorobenzene	ND	50	5.9	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Chlorodibromomethane	ND	25	10	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Chloroethane	ND	100	17	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Chloroform	ND	100	7.0	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Chloromethane	ND	100	25	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Cyclohexane	ND	250	88	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	43	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
1,2-Dibromoethane (EDB)	ND	25	8.0	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
1,2-Dichlorobenzene	ND	50	6.5	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
1,3-Dichlorobenzene	ND	50	6.8	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
1,4-Dichlorobenzene	ND	50	6.4	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	100	8.0	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
1,1-Dichloroethane	ND	50	6.8	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
1,2-Dichloroethane	ND	50	15	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
1,1-Dichloroethylene	ND	50	7.0	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
cis-1,2-Dichloroethylene	990	50	7.0	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
trans-1,2-Dichloroethylene	ND	50	8.6	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
1,2-Dichloropropane	ND	50	9.7	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
cis-1,3-Dichloropropene	ND	25	8.2	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
trans-1,3-Dichloropropene	ND	25	7.1	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
1,4-Dioxane	ND	2500	900	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Ethylbenzene	ND	50	11	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
2-Hexanone (MBK)	ND	500	60	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Isopropylbenzene (Cumene)	ND	50	7.6	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Methyl Acetate	ND	50	30	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Methyl tert-Butyl Ether (MTBE)	ND	50	8.5	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Methyl Cyclohexane	ND	50	7.8	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Methylene Chloride	ND	250	8.8	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	500	66	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Styrene	ND	50	7.5	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
1,1,2,2-Tetrachloroethane	ND	25	6.8	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Tetrachloroethylene	ND	50	8.4	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Toluene	ND	50	11	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
1,2,3-Trichlorobenzene	ND	250	17	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
1,2,4-Trichlorobenzene	ND	50	15	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K0709

Date Received: 11/4/2023

Field Sample #: MW-13

Sampled: 11/1/2023 13:05

Sample ID: 23K0709-07

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	50	7.5	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
1,1,2-Trichloroethane	ND	50	9.6	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Trichloroethylene	3600	50	8.7	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Trichlorofluoromethane (Freon 11)	ND	100	7.7	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	50	10	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Vinyl Chloride	110	100	12	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF
Xylenes (total)	ND	50	50	µg/L	50		SW-846 8260D	11/8/23	11/8/23 16:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	87.0	70-130	
Toluene-d8	99.4	70-130	
4-Bromofluorobenzene	87.6	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K0709

Date Received: 11/4/2023

Field Sample #: MW-14

Sampled: 11/1/2023 14:20

Sample ID: 23K0709-08

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	2000	80	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Benzene	ND	40	7.4	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Bromochloromethane	ND	40	11	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Bromodichloromethane	ND	20	6.3	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Bromoform	ND	40	16	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Bromomethane	ND	80	53	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
2-Butanone (MEK)	ND	800	67	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Carbon Disulfide	ND	200	62	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Carbon Tetrachloride	ND	200	6.5	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Chlorobenzene	ND	40	4.8	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Chlorodibromomethane	ND	20	8.0	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Chloroethane	ND	80	14	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Chloroform	ND	80	5.6	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Chloromethane	ND	80	20	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Cyclohexane	ND	200	71	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	200	34	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
1,2-Dibromoethane (EDB)	ND	20	6.4	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
1,2-Dichlorobenzene	ND	40	5.2	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
1,3-Dichlorobenzene	ND	40	5.5	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
1,4-Dichlorobenzene	ND	40	5.1	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Dichlorodifluoromethane (Freon 12)	ND	80	6.4	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
1,1-Dichloroethane	ND	40	5.5	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
1,2-Dichloroethane	ND	40	12	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
1,1-Dichloroethylene	ND	40	5.6	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
cis-1,2-Dichloroethylene	520	40	5.6	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
trans-1,2-Dichloroethylene	ND	40	6.9	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
1,2-Dichloropropane	ND	40	7.7	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
cis-1,3-Dichloropropene	ND	20	6.5	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
trans-1,3-Dichloropropene	ND	20	5.7	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
1,4-Dioxane	ND	2000	720	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Ethylbenzene	ND	40	8.8	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
2-Hexanone (MBK)	ND	400	48	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Isopropylbenzene (Cumene)	ND	40	6.0	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Methyl Acetate	ND	40	24	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Methyl tert-Butyl Ether (MTBE)	ND	40	6.8	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Methyl Cyclohexane	ND	40	6.2	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Methylene Chloride	ND	200	7.1	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
4-Methyl-2-pentanone (MIBK)	ND	400	53	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Styrene	ND	40	6.0	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
1,1,2,2-Tetrachloroethane	ND	20	5.5	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Tetrachloroethylene	ND	40	6.7	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Toluene	ND	40	8.9	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
1,2,3-Trichlorobenzene	ND	200	14	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
1,2,4-Trichlorobenzene	ND	40	12	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K0709

Date Received: 11/4/2023

Field Sample #: MW-14

Sampled: 11/1/2023 14:20

Sample ID: 23K0709-08

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	40	6.0	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
1,1,2-Trichloroethane	ND	40	7.6	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Trichloroethylene	3000	40	7.0	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Trichlorofluoromethane (Freon 11)	ND	80	6.2	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	40	8.3	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Vinyl Chloride	ND	80	9.5	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF
Xylenes (total)	ND	40	40	µg/L	40		SW-846 8260D	11/8/23	11/8/23 16:53	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	86.4	70-130	
Toluene-d8	97.9	70-130	
4-Bromofluorobenzene	89.1	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K0709

Date Received: 11/4/2023

Field Sample #: DUP-1

Sampled: 11/2/2023 13:05

Sample ID: 23K0709-09

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	2000	80	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Benzene	ND	40	7.4	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Bromochloromethane	ND	40	11	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Bromodichloromethane	ND	20	6.3	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Bromoform	ND	40	16	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Bromomethane	ND	80	53	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
2-Butanone (MEK)	ND	800	67	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Carbon Disulfide	ND	200	62	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Carbon Tetrachloride	ND	200	6.5	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Chlorobenzene	ND	40	4.8	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Chlorodibromomethane	ND	20	8.0	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Chloroethane	ND	80	14	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Chloroform	ND	80	5.6	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Chloromethane	ND	80	20	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Cyclohexane	ND	200	71	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	200	34	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
1,2-Dibromoethane (EDB)	ND	20	6.4	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
1,2-Dichlorobenzene	ND	40	5.2	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
1,3-Dichlorobenzene	ND	40	5.5	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
1,4-Dichlorobenzene	ND	40	5.1	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	80	6.4	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
1,1-Dichloroethane	ND	40	5.5	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
1,2-Dichloroethane	ND	40	12	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
1,1-Dichloroethylene	ND	40	5.6	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
cis-1,2-Dichloroethylene	910	40	5.6	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
trans-1,2-Dichloroethylene	ND	40	6.9	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
1,2-Dichloropropane	ND	40	7.7	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
cis-1,3-Dichloropropene	ND	20	6.5	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
trans-1,3-Dichloropropene	ND	20	5.7	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
1,4-Dioxane	ND	2000	720	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Ethylbenzene	ND	40	8.8	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
2-Hexanone (MBK)	ND	400	48	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Isopropylbenzene (Cumene)	ND	40	6.0	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Methyl Acetate	ND	40	24	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Methyl tert-Butyl Ether (MTBE)	ND	40	6.8	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Methyl Cyclohexane	ND	40	6.2	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Methylene Chloride	ND	200	7.1	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	400	53	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Styrene	ND	40	6.0	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
1,1,2,2-Tetrachloroethane	ND	20	5.5	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Tetrachloroethylene	ND	40	6.7	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Toluene	ND	40	8.9	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
1,2,3-Trichlorobenzene	ND	200	14	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
1,2,4-Trichlorobenzene	ND	40	12	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K0709

Date Received: 11/4/2023

Field Sample #: DUP-1

Sampled: 11/2/2023 13:05

Sample ID: 23K0709-09

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	40	6.0	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
1,1,2-Trichloroethane	ND	40	7.6	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Trichloroethylene	3100	40	7.0	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Trichlorofluoromethane (Freon 11)	ND	80	6.2	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	40	8.3	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Vinyl Chloride	100	80	9.5	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF
Xylenes (total)	ND	40	40	µg/L	40		SW-846 8260D	11/8/23	11/8/23 17:19	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	88.6	70-130	
Toluene-d8	98.2	70-130	
4-Bromofluorobenzene	86.8	70-130	

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23K0709-01 [MW-2]	B357463	0.0125	5.00	11/08/23
23K0709-02 [MW-3]	B357463	0.5	5.00	11/08/23
23K0709-03 [MW-4]	B357463	0.025	5.00	11/08/23
23K0709-04 [MW-9R]	B357463	0.25	5.00	11/08/23
23K0709-05 [MW-11R]	B357463	1.25	5.00	11/08/23
23K0709-06 [MW-12]	B357463	0.1	5.00	11/08/23
23K0709-07 [MW-13]	B357463	0.1	5.00	11/08/23
23K0709-08 [MW-14]	B357463	0.125	5.00	11/08/23
23K0709-09 [DUP-1]	B357463	0.125	5.00	11/08/23

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

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

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

Batch B357463 - SW-846 5030B
Blank (B357463-BLK1)

Prepared & Analyzed: 11/08/23

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
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							

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B357463 - SW-846 5030B										
Blank (B357463-BLK1)										
Prepared & Analyzed: 11/08/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	22.2		µg/L	25.0		88.8	70-130			
Surrogate: Toluene-d8	24.4		µg/L	25.0		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	22.0		µg/L	25.0		87.8	70-130			
LCS (B357463-BS1)										
Prepared & Analyzed: 11/08/23										
Acetone	86.8	50	µg/L	100		86.8	70-160			†
Benzene	10.7	1.0	µg/L	10.0		107	70-130			
Bromochloromethane	10.2	1.0	µg/L	10.0		102	70-130			
Bromodichloromethane	9.36	0.50	µg/L	10.0		93.6	70-130			
Bromoform	8.50	1.0	µg/L	10.0		85.0	70-130			
Bromomethane	13.0	2.0	µg/L	10.0		130	40-160		V-20	†
2-Butanone (MEK)	91.3	20	µg/L	100		91.3	40-160			†
Carbon Disulfide	100	5.0	µg/L	100		100	70-130			
Carbon Tetrachloride	9.48	5.0	µg/L	10.0		94.8	70-130			
Chlorobenzene	11.2	1.0	µg/L	10.0		112	70-130			
Chlorodibromomethane	9.49	0.50	µg/L	10.0		94.9	70-130			
Chloroethane	10.0	2.0	µg/L	10.0		100	70-130			
Chloroform	9.91	2.0	µg/L	10.0		99.1	70-130			
Chloromethane	8.47	2.0	µg/L	10.0		84.7	40-160			†
Cyclohexane	9.52	5.0	µg/L	10.0		95.2	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.69	5.0	µg/L	10.0		76.9	70-130			
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.0		100	70-130			
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
Dichlorodifluoromethane (Freon 12)	10.1	2.0	µg/L	10.0		101	40-160			†
1,1-Dichloroethane	9.97	1.0	µg/L	10.0		99.7	70-130			
1,2-Dichloroethane	8.67	1.0	µg/L	10.0		86.7	70-130			
1,1-Dichloroethylene	8.86	1.0	µg/L	10.0		88.6	70-130			
cis-1,2-Dichloroethylene	9.52	1.0	µg/L	10.0		95.2	70-130			
trans-1,2-Dichloroethylene	9.32	1.0	µg/L	10.0		93.2	70-130			
1,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	70-130			
cis-1,3-Dichloropropene	10.0	0.50	µg/L	10.0		100	70-130			
trans-1,3-Dichloropropene	9.46	0.50	µg/L	10.0		94.6	70-130			
1,4-Dioxane	79.9	50	µg/L	100		79.9	40-130			†
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
2-Hexanone (MBK)	83.4	10	µg/L	100		83.4	70-160			†
Isopropylbenzene (Cumene)	10.0	1.0	µg/L	10.0		100	70-130			
Methyl Acetate	9.08	1.0	µg/L	10.0		90.8	70-130			
Methyl tert-Butyl Ether (MTBE)	9.41	1.0	µg/L	10.0		94.1	70-130			
Methyl Cyclohexane	10.2	1.0	µg/L	10.0		102	70-130			
Methylene Chloride	8.79	5.0	µg/L	10.0		87.9	70-130			
4-Methyl-2-pentanone (MIBK)	79.1	10	µg/L	100		79.1	70-160			†
Styrene	10.6	1.0	µg/L	10.0		106	70-130			
1,1,2,2-Tetrachloroethane	9.76	0.50	µg/L	10.0		97.6	70-130			
Tetrachloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
Toluene	10.5	1.0	µg/L	10.0		105	70-130			
1,2,3-Trichlorobenzene	8.95	5.0	µg/L	10.0		89.5	70-130			
1,2,4-Trichlorobenzene	8.70	1.0	µg/L	10.0		87.0	70-130			
1,1,1-Trichloroethane	9.26	1.0	µg/L	10.0		92.6	70-130			

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B357463 - SW-846 5030B										
LCS (B357463-BS1)										
Prepared & Analyzed: 11/08/23										
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130			
Trichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
Trichlorofluoromethane (Freon 11)	9.36	2.0	µg/L	10.0		93.6	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2	1.0	µg/L	10.0		102	70-130			
Vinyl Chloride	11.2	2.0	µg/L	10.0		112	40-160			†
m+p Xylene	21.1	2.0	µg/L	20.0		106	70-130			
o-Xylene	10.1	1.0	µg/L	10.0		101	70-130			
Xylenes (total)	31.2	1.0	µg/L	30.0		104	0-200			
Surrogate: 1,2-Dichloroethane-d4	21.3		µg/L	25.0		85.2	70-130			
Surrogate: Toluene-d8	25.6		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	24.8		µg/L	25.0		99.4	70-130			
LCS Dup (B357463-BSD1)										
Prepared & Analyzed: 11/08/23										
Acetone	84.7	50	µg/L	100		84.7	70-160	2.49	25	†
Benzene	10.5	1.0	µg/L	10.0		105	70-130	2.26	25	
Bromochloromethane	9.88	1.0	µg/L	10.0		98.8	70-130	2.70	25	
Bromodichloromethane	9.29	0.50	µg/L	10.0		92.9	70-130	0.751	25	
Bromoform	8.30	1.0	µg/L	10.0		83.0	70-130	2.38	25	
Bromomethane	12.4	2.0	µg/L	10.0		124	40-160	4.09	25	V-20 †
2-Butanone (MEK)	90.2	20	µg/L	100		90.2	40-160	1.23	25	†
Carbon Disulfide	96.9	5.0	µg/L	100		96.9	70-130	3.22	25	
Carbon Tetrachloride	9.33	5.0	µg/L	10.0		93.3	70-130	1.59	25	
Chlorobenzene	10.9	1.0	µg/L	10.0		109	70-130	2.44	25	
Chlorodibromomethane	9.25	0.50	µg/L	10.0		92.5	70-130	2.56	25	
Chloroethane	9.36	2.0	µg/L	10.0		93.6	70-130	7.01	25	
Chloroform	9.58	2.0	µg/L	10.0		95.8	70-130	3.39	25	
Chloromethane	7.88	2.0	µg/L	10.0		78.8	40-160	7.22	25	†
Cyclohexane	9.11	5.0	µg/L	10.0		91.1	70-130	4.40	25	
1,2-Dibromo-3-chloropropane (DBCP)	7.62	5.0	µg/L	10.0		76.2	70-130	0.914	25	
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.0		100	70-130	0.300	25	
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	0.973	25	
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	0.475	25	
1,4-Dichlorobenzene	9.96	1.0	µg/L	10.0		99.6	70-130	2.48	25	
Dichlorodifluoromethane (Freon 12)	9.92	2.0	µg/L	10.0		99.2	40-160	2.09	25	†
1,1-Dichloroethane	9.74	1.0	µg/L	10.0		97.4	70-130	2.33	25	
1,2-Dichloroethane	8.49	1.0	µg/L	10.0		84.9	70-130	2.10	25	
1,1-Dichloroethylene	8.75	1.0	µg/L	10.0		87.5	70-130	1.25	25	
cis-1,2-Dichloroethylene	9.16	1.0	µg/L	10.0		91.6	70-130	3.85	25	
trans-1,2-Dichloroethylene	8.97	1.0	µg/L	10.0		89.7	70-130	3.83	25	
1,2-Dichloropropane	9.93	1.0	µg/L	10.0		99.3	70-130	3.46	25	
cis-1,3-Dichloropropene	9.84	0.50	µg/L	10.0		98.4	70-130	1.71	25	
trans-1,3-Dichloropropene	9.50	0.50	µg/L	10.0		95.0	70-130	0.422	25	
1,4-Dioxane	89.7	50	µg/L	100		89.7	40-130	11.6	50	† ‡
Ethylbenzene	10.1	1.0	µg/L	10.0		101	70-130	2.53	25	
2-Hexanone (MBK)	83.8	10	µg/L	100		83.8	70-160	0.455	25	†
Isopropylbenzene (Cumene)	9.84	1.0	µg/L	10.0		98.4	70-130	1.81	25	
Methyl Acetate	8.80	1.0	µg/L	10.0		88.0	70-130	3.13	25	
Methyl tert-Butyl Ether (MTBE)	9.10	1.0	µg/L	10.0		91.0	70-130	3.35	25	
Methyl Cyclohexane	10.2	1.0	µg/L	10.0		102	70-130	0.391	25	
Methylene Chloride	8.37	5.0	µg/L	10.0		83.7	70-130	4.90	25	
4-Methyl-2-pentanone (MIBK)	80.0	10	µg/L	100		80.0	70-160	1.14	25	†
Styrene	10.3	1.0	µg/L	10.0		103	70-130	2.01	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 B357463 - SW-846 5030B
LCS Dup (B357463-BSD1)

Prepared & Analyzed: 11/08/23

1,1,2,2-Tetrachloroethane	9.67	0.50	µg/L	10.0		96.7	70-130	0.926	25	
Tetrachloroethylene	10.5	1.0	µg/L	10.0		105	70-130	1.89	25	
Toluene	10.4	1.0	µg/L	10.0		104	70-130	1.53	25	
1,2,3-Trichlorobenzene	8.71	5.0	µg/L	10.0		87.1	70-130	2.72	25	
1,2,4-Trichlorobenzene	8.64	1.0	µg/L	10.0		86.4	70-130	0.692	25	
1,1,1-Trichloroethane	9.07	1.0	µg/L	10.0		90.7	70-130	2.07	25	
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130	0.192	25	
Trichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	0.695	25	
Trichlorofluoromethane (Freon 11)	9.24	2.0	µg/L	10.0		92.4	70-130	1.29	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.94	1.0	µg/L	10.0		99.4	70-130	3.07	25	
Vinyl Chloride	10.8	2.0	µg/L	10.0		108	40-160	3.19	25	†
m+p Xylene	20.4	2.0	µg/L	20.0		102	70-130	3.22	25	
o-Xylene	9.71	1.0	µg/L	10.0		97.1	70-130	3.54	25	
Xylenes (total)	30.2	1.0	µg/L	30.0		101	0-200	3.33		
Surrogate: 1,2-Dichloroethane-d4	21.8		µg/L	25.0		87.4	70-130			
Surrogate: Toluene-d8	25.8		µg/L	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	24.1		µg/L	25.0		96.4	70-130			

Matrix Spike (B357463-MS1)

Source: 23K0709-03

Prepared & Analyzed: 11/08/23

Acetone	13600	10000	µg/L	20000	ND	67.9	*	70-130		MS-07A
Benzene	2110	200	µg/L	2000	ND	106		70-130		
Bromochloromethane	1860	200	µg/L	2000	ND	93.0		70-130		
Bromodichloromethane	1730	100	µg/L	2000	ND	86.6		70-130		
Bromoform	1560	200	µg/L	2000	ND	77.9		70-130		
Bromomethane	2150	400	µg/L	2000	ND	108		70-130		V-20
2-Butanone (MEK)	15800	4000	µg/L	20000	ND	79.0		70-130		
Carbon Disulfide	18700	1000	µg/L	20000	ND	93.4		70-130		
Carbon Tetrachloride	1860	1000	µg/L	2000	ND	92.9		70-130		
Chlorobenzene	2170	200	µg/L	2000	ND	108		70-130		
Chlorodibromomethane	1740	100	µg/L	2000	ND	87.2		70-130		
Chloroethane	1840	400	µg/L	2000	ND	92.0		70-130		
Chloroform	1870	400	µg/L	2000	ND	93.5		70-130		
Chloromethane	1620	400	µg/L	2000	ND	80.8		70-130		
Cyclohexane	1880	1000	µg/L	2000	ND	93.8		70-130		
1,2-Dibromo-3-chloropropane (DBCP)	1400	1000	µg/L	2000	ND	70.2		70-130		
1,2-Dibromoethane (EDB)	1810	100	µg/L	2000	ND	90.7		70-130		
1,2-Dichlorobenzene	2010	200	µg/L	2000	ND	100		70-130		
1,3-Dichlorobenzene	2020	200	µg/L	2000	ND	101		70-130		
1,4-Dichlorobenzene	1980	200	µg/L	2000	ND	99.2		70-130		
Dichlorodifluoromethane (Freon 12)	1950	400	µg/L	2000	ND	97.4		70-130		
1,1-Dichloroethane	1880	200	µg/L	2000	ND	94.2		70-130		
1,2-Dichloroethane	1620	200	µg/L	2000	ND	81.2		70-130		
1,1-Dichloroethylene	1720	200	µg/L	2000	ND	86.2		70-130		
cis-1,2-Dichloroethylene	2100	200	µg/L	2000	278	91.1		70-130		
trans-1,2-Dichloroethylene	1740	200	µg/L	2000	ND	87.0		70-130		
1,2-Dichloropropane	1940	200	µg/L	2000	ND	97.0		70-130		
cis-1,3-Dichloropropene	1770	100	µg/L	2000	ND	88.4		70-130		
trans-1,3-Dichloropropene	1700	100	µg/L	2000	ND	85.0		70-130		
1,4-Dioxane	14600	10000	µg/L	20000	ND	73.1		70-130		
Ethylbenzene	1980	200	µg/L	2000	ND	98.9		70-130		
2-Hexanone (MBK)	13800	2000	µg/L	20000	ND	68.8	*	70-130		MS-07A
Isopropylbenzene (Cumene)	1920	200	µg/L	2000	ND	96.1		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 B357463 - SW-846 5030B

Matrix Spike (B357463-MS1)	Source: 23K0709-03			Prepared & Analyzed: 11/08/23						
Methyl Acetate	1630	200	µg/L	2000	ND	81.5	70-130			
Methyl tert-Butyl Ether (MTBE)	1660	200	µg/L	2000	ND	83.0	70-130			
Methyl Cyclohexane	1900	200	µg/L	2000	ND	94.9	70-130			
Methylene Chloride	1640	1000	µg/L	2000	ND	81.9	70-130			
4-Methyl-2-pentanone (MIBK)	14000	2000	µg/L	20000	ND	70.2	70-130			
Styrene	2020	200	µg/L	2000	ND	101	70-130			
1,1,2,2-Tetrachloroethane	1840	100	µg/L	2000	ND	91.8	70-130			
Tetrachloroethylene	2180	200	µg/L	2000	ND	109	70-130			
Toluene	1990	200	µg/L	2000	ND	99.3	70-130			
1,2,3-Trichlorobenzene	1620	1000	µg/L	2000	ND	80.8	70-130			
1,2,4-Trichlorobenzene	1570	200	µg/L	2000	ND	78.4	70-130			
1,1,1-Trichloroethane	1820	200	µg/L	2000	ND	91.2	70-130			
1,1,2-Trichloroethane	1860	200	µg/L	2000	ND	92.8	70-130			
Trichloroethylene	12600	200	µg/L	2000	11100	73.5	70-130			
Trichlorofluoromethane (Freon 11)	1790	400	µg/L	2000	ND	89.6	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2000	200	µg/L	2000	ND	100	70-130			
Vinyl Chloride	2140	400	µg/L	2000	ND	107	70-130			
m+p Xylene	4040	400	µg/L	4000	ND	101	70-130			
o-Xylene	1870	200	µg/L	2000	ND	93.6	70-130			
Xylenes (total)	5910	200	µg/L	6000	ND	98.5	0-200			
Surrogate: 1,2-Dichloroethane-d4	21.3		µg/L	25.0		85.4	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	24.3		µg/L	25.0		97.1	70-130			

Matrix Spike Dup (B357463-MSD1)	Source: 23K0709-03			Prepared & Analyzed: 11/08/23						
Acetone	12900	10000	µg/L	20000	ND	64.5 *	70-130	5.11	30	MS-07A
Benzene	1990	200	µg/L	2000	ND	99.7	70-130	5.84	30	
Bromochloromethane	1750	200	µg/L	2000	ND	87.5	70-130	6.09	30	
Bromodichloromethane	1670	100	µg/L	2000	ND	83.4	70-130	3.76	30	
Bromoform	1460	200	µg/L	2000	ND	73.1	70-130	6.36	30	
Bromomethane	2040	400	µg/L	2000	ND	102	70-130	5.44	30	V-20
2-Butanone (MEK)	15000	4000	µg/L	20000	ND	75.2	70-130	4.93	30	
Carbon Disulfide	17700	1000	µg/L	20000	ND	88.4	70-130	5.49	30	
Carbon Tetrachloride	1780	1000	µg/L	2000	ND	88.8	70-130	4.51	30	
Chlorobenzene	2030	200	µg/L	2000	ND	101	70-130	6.67	30	
Chlorodibromomethane	1660	100	µg/L	2000	ND	82.9	70-130	5.06	30	
Chloroethane	1740	400	µg/L	2000	ND	87.0	70-130	5.59	30	
Chloroform	1760	400	µg/L	2000	ND	87.9	70-130	6.17	30	
Chloromethane	1580	400	µg/L	2000	ND	79.2	70-130	2.00	30	
Cyclohexane	1750	1000	µg/L	2000	ND	87.3	70-130	7.18	30	
1,2-Dibromo-3-chloropropane (DBCP)	1310	1000	µg/L	2000	ND	65.6 *	70-130	6.77	30	MS-24
1,2-Dibromoethane (EDB)	1780	100	µg/L	2000	ND	88.8	70-130	2.12	30	
1,2-Dichlorobenzene	1830	200	µg/L	2000	ND	91.6	70-130	9.27	30	
1,3-Dichlorobenzene	1890	200	µg/L	2000	ND	94.5	70-130	6.85	30	
1,4-Dichlorobenzene	1820	200	µg/L	2000	ND	91.0	70-130	8.62	30	
Dichlorodifluoromethane (Freon 12)	1800	400	µg/L	2000	ND	89.9	70-130	8.01	30	
1,1-Dichloroethane	1750	200	µg/L	2000	ND	87.6	70-130	7.26	30	
1,2-Dichloroethane	1590	200	µg/L	2000	ND	79.6	70-130	1.99	30	
1,1-Dichloroethylene	1610	200	µg/L	2000	ND	80.5	70-130	6.84	30	
cis-1,2-Dichloroethylene	1910	200	µg/L	2000	278	81.8	70-130	9.27	30	
trans-1,2-Dichloroethylene	1670	200	µg/L	2000	ND	83.6	70-130	3.99	30	
1,2-Dichloropropane	1850	200	µg/L	2000	ND	92.4	70-130	4.86	30	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B357463 - SW-846 5030B										
Matrix Spike Dup (B357463-MSD1)		Source: 23K0709-03		Prepared & Analyzed: 11/08/23						
cis-1,3-Dichloropropene	1780	100	µg/L	2000	ND	89.1	70-130	0.789	30	
trans-1,3-Dichloropropene	1690	100	µg/L	2000	ND	84.4	70-130	0.708	30	
1,4-Dioxane	14000	10000	µg/L	20000	ND	70.1	70-130	4.21	30	
Ethylbenzene	1850	200	µg/L	2000	ND	92.4	70-130	6.80	30	
2-Hexanone (MBK)	13800	2000	µg/L	20000	ND	68.8 *	70-130	0.0436	30	MS-07A
Isopropylbenzene (Cumene)	1810	200	µg/L	2000	ND	90.6	70-130	5.89	30	
Methyl Acetate	1550	200	µg/L	2000	ND	77.4	70-130	5.16	30	
Methyl tert-Butyl Ether (MTBE)	1580	200	µg/L	2000	ND	79.0	70-130	4.94	30	
Methyl Cyclohexane	1840	200	µg/L	2000	ND	92.0	70-130	3.10	30	
Methylene Chloride	1510	1000	µg/L	2000	ND	75.7	70-130	7.87	30	
4-Methyl-2-pentanone (MIBK)	13600	2000	µg/L	20000	ND	68.1 *	70-130	2.99	30	MS-24
Styrene	1860	200	µg/L	2000	ND	93.2	70-130	7.93	30	
1,1,2,2-Tetrachloroethane	1730	100	µg/L	2000	ND	86.3	70-130	6.18	30	
Tetrachloroethylene	2060	200	µg/L	2000	ND	103	70-130	5.85	30	
Toluene	1930	200	µg/L	2000	ND	96.7	70-130	2.65	30	
1,2,3-Trichlorobenzene	1560	1000	µg/L	2000	ND	78.1	70-130	3.40	30	
1,2,4-Trichlorobenzene	1460	200	µg/L	2000	ND	72.9	70-130	7.27	30	
1,1,1-Trichloroethane	1730	200	µg/L	2000	ND	86.5	70-130	5.29	30	
1,1,2-Trichloroethane	1860	200	µg/L	2000	ND	92.9	70-130	0.108	30	
Trichloroethylene	12600	200	µg/L	2000	11100	74.2	70-130	0.111	30	
Trichlorofluoromethane (Freon 11)	1670	400	µg/L	2000	ND	83.6	70-130	6.93	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1840	200	µg/L	2000	ND	91.9	70-130	8.54	30	
Vinyl Chloride	2020	400	µg/L	2000	ND	101	70-130	5.77	30	
m+p Xylene	3720	400	µg/L	4000	ND	93.0	70-130	8.25	20	
o-Xylene	1760	200	µg/L	2000	ND	88.0	70-130	6.17	30	
Xylenes (total)	5480	200	µg/L	6000	ND	91.3	0-200	7.58		
Surrogate: 1,2-Dichloroethane-d4	21.0		µg/L	25.0		83.8	70-130			
Surrogate: Toluene-d8	25.9		µg/L	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	24.0		µg/L	25.0		96.0	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
V-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
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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
<i>SW-846 8260D in Water</i>	
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

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

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023



Client: New York State Dept. of Environmental Conservation

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CLIENT/REPORTING INFORMATION			PROJECT INFORMATION						BILLING INFORMATION										REQUESTED ANALYSIS (see Test Code sheet)							LAB USE ONLY
Groundwater & Environmental Services, Inc. 415 Lawrence Bell Dr, Suite 6, Williamsville, NY Project Manager: Thomas Palmer tpalmer@gesonline.com			Project Name: NYSDEC/Frewsburg/NY/FalconerSt/300 Project Address: 300 Falconer Street, Frewsburg, NY Project PSID #: 907134						Groundwater & Environmental Services, Inc. ges-invoices@gesonline.com ATTN: Accounts Payable Invoice Instructions NYSDEC Site No.: 907016 DEC PM: Damianos Skaros																	
Sampler(s) Name: Owen O'Grady			Sampler(s) Name:						number of preserved bottles										8260C - TCLVOCs OLM04.2 list							
Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Amber	MS/MSD									
1	MW-2		11/2	1245	OO	WG	2	X									X									
2	MW-3		11/2	1130	OO	WG	2	x									X									
3	MW-4		11/2	1024	OO	WG	6	x									X	X								
4	MW-9R		11/2	1325	OO	WG	2	x									X									
5	MW-11R		11/2	1400	OO	WG	2	x									X									
6	MW-12		11/2	0930	OO	WG	2	x									X									
7	MW-13		11/1	1305	OO	WG	2	x									X									
8	MW-14		11/1	1420	OO	WG	2	x									X									
9	DUP - 1		11/1	1305	OO	WG	2	x									X									
	Trip Blank		11/2	-	OO	WG	2	x									X									

- ☐ Commercial 'A' (Level 1) = Results Only
- ☒ Commercial 'B' (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C'
- ☐ *NJ Data of Known Quality Protocol Reporting*
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☒ EDD Format NYSDEC EDD EQUIS
- ☐ Other _____

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Sampler:	Date / Time:	Received By:	
1 <i>[Signature]</i>	1 11/2 1000	1 GBS Frigge	
Relinquished By:	Date / Time:	Received By:	
2 <i>[Signature]</i>	2 11-3-23 1127	2 <i>[Signature]</i>	
Relinquished By:	Date / Time:	Received By:	
3 <i>[Signature]</i>	3 10/3 1415	3 <i>[Signature]</i> 4.7°C 1140 11-4-23	
Custody Seal Number:	☐ Intact ☐ Preserved where applicable ☐ Not Intact ☐ On Ice Cooler Temp		



DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

Sample	Soils Jars				Ambers				Plastics								VOA Vials					Other / Fill in							
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	Ammonium Acetate	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	BiSulfate	Col/Bact	
1																													
2																													
3																													
4																													
5																													
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20																													

February 8, 2023

Thomas Palmer
NYDEC_GES - Pawling, NY
63 East Main Street, Unit 3
Pawling, NY 12564

Project Location: Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23A2337
PWSID# N/A

Enclosed are results of analyses for samples as received by the laboratory on January 24, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Pawling, NY
63 East Main Street, Unit 3
Pawling, NY 12564
ATTN: Thomas Palmer

REPORT DATE: 2/8/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23A2337

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

PROJECT LOCATION: Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	23A2337-01	Water		EPA 1664B EPA 200.7 SW-846 8260D	
Treatment Influent	23A2337-02	Water		SW-846 8260D	
Trip Blank	23A2337-03	Water		SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

SW-846 8260D**Qualifications:**

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:**1,2,3-Trichlorobenzene**

B329608-BS1, B329608-BSD1, S082409-CCV1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23A2337-02[Treatment 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:**Chloromethane**

23A2337-01[Treatment Effluent], 23A2337-02[Treatment Influent], 23A2337-03[Trip Blank], B329608-BLK1, B329608-BS1, B329608-BSD1, S082409-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:**1,2,3-Trichlorobenzene**

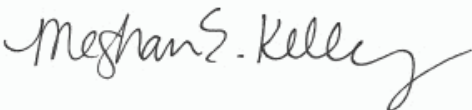
B329608-BS1, B329608-BSD1, S082409-CCV1

2-Hexanone (MBK)

B329608-BS1, B329608-BSD1, S082409-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

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

Project Location: Frewsburg, NY

Sample Description:

Work Order: 23A2337

Date Received: 1/24/2023

Field Sample #: Treatment Effluent

Sampled: 1/23/2023 08:45

Sample ID: 23A2337-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	5.0	50	2.0	µg/L	1	J	SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	V-05	SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH

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

Project Location: Frewsburg, NY

Sample Description:

Work Order: 23A2337

Date Received: 1/24/2023

Field Sample #: Treatment Effluent

Sampled: 1/23/2023 08:45

Sample ID: 23A2337-01

Sample Matrix: 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	1/25/23	1/25/23 18:55	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	1/25/23	1/25/23 18:55	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	98.8	70-130	
4-Bromofluorobenzene	91.8	70-130	

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

Project Location: Frewsburg, NY

Sample Description:

Work Order: 23A2337

Date Received: 1/24/2023

Field Sample #: Treatment Effluent

Sampled: 1/23/2023 08:45

Sample ID: 23A2337-01

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		EPA 200.7	1/26/23	1/27/23 18:29	MJH
Iron	0.47	0.050	0.019	mg/L	1		EPA 200.7	1/26/23	1/27/23 18:29	MJH
Zinc	0.032	0.010	0.0042	mg/L	1		EPA 200.7	1/26/23	1/27/23 18:29	MJH

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

Project Location: Frewsburg, NY

Sample Description:

Work Order: 23A2337

Date Received: 1/24/2023

Field Sample #: Treatment Effluent

Sampled: 1/23/2023 08:45

Sample ID: 23A2337-01

Sample Matrix: Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Oil & Grease (HEM)	ND	1.5	0.43	mg/L	1		EPA 1664B	2/6/23	2/6/23 13:15	LL

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

Project Location: Frewsburg, NY

Sample Description:

Work Order: 23A2337

Date Received: 1/24/2023

Field Sample #: Treatment Influent

Sampled: 1/23/2023 08:50

Sample ID: 23A2337-02

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	200	8.1	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Benzene	ND	4.0	0.80	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Bromochloromethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Bromodichloromethane	ND	2.0	0.72	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Bromoform	ND	4.0	1.5	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Bromomethane	ND	8.0	6.2	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
2-Butanone (MEK)	ND	80	6.5	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Carbon Disulfide	ND	20	5.8	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Carbon Tetrachloride	ND	20	0.66	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Chlorobenzene	ND	4.0	0.42	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Chlorodibromomethane	ND	2.0	0.89	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Chloroethane	ND	8.0	1.3	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Chloroform	ND	8.0	0.67	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Chloromethane	ND	8.0	2.1	µg/L	4	V-05	SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Cyclohexane	ND	20	7.0	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	3.2	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
1,2-Dibromoethane (EDB)	ND	2.0	0.68	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
1,2-Dichlorobenzene	ND	4.0	0.49	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
1,3-Dichlorobenzene	ND	4.0	0.47	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
1,4-Dichlorobenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	8.0	0.77	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
1,1-Dichloroethane	ND	4.0	0.57	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
1,2-Dichloroethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
1,1-Dichloroethylene	2.8	4.0	0.57	µg/L	4	J	SW-846 8260D	1/25/23	1/25/23 20:45	EEH
cis-1,2-Dichloroethylene	660	4.0	0.59	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
trans-1,2-Dichloroethylene	5.6	4.0	0.67	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
1,2-Dichloropropane	ND	4.0	0.72	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
cis-1,3-Dichloropropene	ND	2.0	0.63	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
trans-1,3-Dichloropropene	ND	2.0	0.67	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
1,4-Dioxane	ND	200	82	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Ethylbenzene	ND	4.0	0.86	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
2-Hexanone (MBK)	ND	40	4.5	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Isopropylbenzene (Cumene)	ND	4.0	0.43	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Methyl Acetate	ND	4.0	1.8	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Methyl tert-Butyl Ether (MTBE)	ND	4.0	0.69	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Methyl Cyclohexane	ND	4.0	0.98	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Methylene Chloride	ND	20	0.94	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	40	5.1	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Styrene	ND	4.0	0.42	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.51	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Tetrachloroethylene	ND	4.0	0.75	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Toluene	ND	4.0	0.90	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
1,2,3-Trichlorobenzene	ND	20	1.2	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
1,2,4-Trichlorobenzene	ND	4.0	0.99	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH

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

Project Location: Frewsburg, NY

Sample Description:

Work Order: 23A2337

Date Received: 1/24/2023

Field Sample #: Treatment Influent

Sampled: 1/23/2023 08:50

Sample ID: 23A2337-02

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	4.0	0.68	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
1,1,2-Trichloroethane	ND	4.0	0.73	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Trichloroethylene	380	4.0	0.76	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Trichlorofluoromethane (Freon 11)	ND	8.0	0.70	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	0.91	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Vinyl Chloride	25	8.0	0.83	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH
Xylenes (total)	ND	4.0	4.0	µg/L	4		SW-846 8260D	1/25/23	1/25/23 20:45	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	107	70-130	
Toluene-d8	100	70-130	
4-Bromofluorobenzene	92.2	70-130	

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

Project Location: Frewsburg, NY

Sample Description:

Work Order: 23A2337

Date Received: 1/24/2023

Field Sample #: Trip Blank

Sampled: 1/23/2023 00:00

Sample ID: 23A2337-03

Sample Matrix: 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	1/25/23	1/25/23 14:48	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Chloroform	0.31	2.0	0.17	µg/L	1	J	SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	V-05	SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
1,2-Dichloroethane	0.32	1.0	0.31	µg/L	1	J	SW-846 8260D	1/25/23	1/25/23 14:48	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH

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

Project Location: Frewsburg, NY

Sample Description:

Work Order: 23A2337

Date Received: 1/24/2023

Field Sample #: Trip Blank

Sampled: 1/23/2023 00:00

Sample ID: 23A2337-03

Sample Matrix: 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	1/25/23	1/25/23 14:48	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	1/25/23	1/25/23 14:48	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	96.8	70-130	
4-Bromofluorobenzene	93.8	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
23A2337-01 [Treatment Effluent]	B330615	950	02/06/23

Prep Method: EPA 200.7 Analytical Method: EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23A2337-01 [Treatment Effluent]	B329760	50.0	50.0	01/26/23

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23A2337-01 [Treatment Effluent]	B329608	5	5.00	01/25/23
23A2337-02 [Treatment Influent]	B329608	1.25	5.00	01/25/23
23A2337-03 [Trip Blank]	B329608	5	5.00	01/25/23

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch B329608 - SW-846 5030B									
Blank (B329608-BLK1)				Prepared & Analyzed: 01/25/23					
Acetone	ND	50	µg/L						
Benzene	ND	1.0	µg/L						
Bromochloromethane	ND	1.0	µg/L						
Bromodichloromethane	ND	0.50	µg/L						
Bromoform	ND	1.0	µg/L						
Bromomethane	ND	2.0	µg/L						
2-Butanone (MEK)	ND	20	µg/L						
Carbon Disulfide	ND	5.0	µg/L						
Carbon Tetrachloride	ND	5.0	µg/L						
Chlorobenzene	ND	1.0	µg/L						
Chlorodibromomethane	ND	0.50	µg/L						
Chloroethane	ND	2.0	µg/L						
Chloroform	ND	2.0	µg/L						
Chloromethane	ND	2.0	µg/L						V-05
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 B329608 - SW-846 5030B										
Blank (B329608-BLK1)										
Prepared & Analyzed: 01/25/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	25.6		µg/L	25.0		102	70-130			
Surrogate: Toluene-d8	24.6		µg/L	25.0		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	23.5		µg/L	25.0		94.1	70-130			
LCS (B329608-BS1)										
Prepared & Analyzed: 01/25/23										
Acetone	91.4	50	µg/L	100		91.4	70-160			†
Benzene	10.5	1.0	µg/L	10.0		105	70-130			
Bromochloromethane	10.6	1.0	µg/L	10.0		106	70-130			
Bromodichloromethane	10.7	0.50	µg/L	10.0		107	70-130			
Bromoform	9.10	1.0	µg/L	10.0		91.0	70-130			
Bromomethane	9.22	2.0	µg/L	10.0		92.2	40-160			†
2-Butanone (MEK)	118	20	µg/L	100		118	40-160			†
Carbon Disulfide	110	5.0	µg/L	100		110	70-130			
Carbon Tetrachloride	8.83	5.0	µg/L	10.0		88.3	70-130			
Chlorobenzene	11.0	1.0	µg/L	10.0		110	70-130			
Chlorodibromomethane	10.6	0.50	µg/L	10.0		106	70-130			
Chloroethane	10.0	2.0	µg/L	10.0		100	70-130			
Chloroform	10.1	2.0	µg/L	10.0		101	70-130			
Chloromethane	10.7	2.0	µg/L	10.0		107	40-160			V-05 †
Cyclohexane	11.2	5.0	µg/L	10.0		112	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	12.1	5.0	µg/L	10.0		121	70-130			
1,2-Dibromoethane (EDB)	11.2	0.50	µg/L	10.0		112	70-130			
1,2-Dichlorobenzene	11.2	1.0	µg/L	10.0		112	70-130			
1,3-Dichlorobenzene	10.9	1.0	µg/L	10.0		109	70-130			
1,4-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Dichlorodifluoromethane (Freon 12)	10.2	2.0	µg/L	10.0		102	40-160			†
1,1-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130			
1,2-Dichloroethane	9.80	1.0	µg/L	10.0		98.0	70-130			
1,1-Dichloroethylene	9.17	1.0	µg/L	10.0		91.7	70-130			
cis-1,2-Dichloroethylene	11.2	1.0	µg/L	10.0		112	70-130			
trans-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
1,2-Dichloropropane	10.7	1.0	µg/L	10.0		107	70-130			
cis-1,3-Dichloropropene	11.0	0.50	µg/L	10.0		110	70-130			
trans-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130			
1,4-Dioxane	112	50	µg/L	100		112	40-130			†
Ethylbenzene	11.1	1.0	µg/L	10.0		111	70-130			
2-Hexanone (MBK)	122	10	µg/L	100		122	70-160			V-20 †
Isopropylbenzene (Cumene)	10.8	1.0	µg/L	10.0		108	70-130			
Methyl Acetate	8.51	1.0	µg/L	10.0		85.1	70-130			
Methyl tert-Butyl Ether (MTBE)	10.8	1.0	µg/L	10.0		108	70-130			
Methyl Cyclohexane	11.0	1.0	µg/L	10.0		110	70-130			
Methylene Chloride	10.9	5.0	µg/L	10.0		109	70-130			
4-Methyl-2-pentanone (MIBK)	117	10	µg/L	100		117	70-160			†
Styrene	11.1	1.0	µg/L	10.0		111	70-130			
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108	70-130			
Tetrachloroethylene	11.1	1.0	µg/L	10.0		111	70-130			
Toluene	10.7	1.0	µg/L	10.0		107	70-130			
1,2,3-Trichlorobenzene	13.2	5.0	µg/L	10.0		132	* 70-130			L-02, V-20
1,2,4-Trichlorobenzene	12.8	1.0	µg/L	10.0		128	70-130			
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110	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 B329608 - SW-846 5030B										
LCS (B329608-BS1)										
Prepared & Analyzed: 01/25/23										
1,1,2-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130			
Trichloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
Trichlorofluoromethane (Freon 11)	9.87	2.0	µg/L	10.0		98.7	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	1.0	µg/L	10.0		104	70-130			
Vinyl Chloride	8.87	2.0	µg/L	10.0		88.7	40-160			†
m+p Xylene	22.2	2.0	µg/L	20.0		111	70-130			
o-Xylene	11.0	1.0	µg/L	10.0		110	70-130			
Xylenes (total)	33.2	1.0	µg/L	30.0		111	0-200			
Surrogate: 1,2-Dichloroethane-d4	26.4		µg/L	25.0		106	70-130			
Surrogate: Toluene-d8	24.1		µg/L	25.0		96.4	70-130			
Surrogate: 4-Bromofluorobenzene	23.7		µg/L	25.0		95.0	70-130			
LCS Dup (B329608-BSD1)										
Prepared & Analyzed: 01/25/23										
Acetone	87.3	50	µg/L	100		87.3	70-160	4.56	25	†
Benzene	10.3	1.0	µg/L	10.0		103	70-130	2.02	25	
Bromochloromethane	10.5	1.0	µg/L	10.0		105	70-130	0.944	25	
Bromodichloromethane	10.7	0.50	µg/L	10.0		107	70-130	0.560	25	
Bromoform	9.21	1.0	µg/L	10.0		92.1	70-130	1.20	25	
Bromomethane	9.18	2.0	µg/L	10.0		91.8	40-160	0.435	25	†
2-Butanone (MEK)	118	20	µg/L	100		118	40-160	0.228	25	†
Carbon Disulfide	107	5.0	µg/L	100		107	70-130	2.53	25	
Carbon Tetrachloride	9.17	5.0	µg/L	10.0		91.7	70-130	3.78	25	
Chlorobenzene	11.0	1.0	µg/L	10.0		110	70-130	0.0912	25	
Chlorodibromomethane	11.2	0.50	µg/L	10.0		112	70-130	5.48	25	
Chloroethane	9.47	2.0	µg/L	10.0		94.7	70-130	5.94	25	
Chloroform	10.0	2.0	µg/L	10.0		100	70-130	0.994	25	
Chloromethane	8.98	2.0	µg/L	10.0		89.8	40-160	17.8	25	V-05 †
Cyclohexane	10.9	5.0	µg/L	10.0		109	70-130	2.81	25	
1,2-Dibromo-3-chloropropane (DBCP)	12.2	5.0	µg/L	10.0		122	70-130	1.15	25	
1,2-Dibromoethane (EDB)	11.2	0.50	µg/L	10.0		112	70-130	0.0891	25	
1,2-Dichlorobenzene	11.7	1.0	µg/L	10.0		117	70-130	4.20	25	
1,3-Dichlorobenzene	11.3	1.0	µg/L	10.0		113	70-130	3.43	25	
1,4-Dichlorobenzene	11.1	1.0	µg/L	10.0		111	70-130	4.79	25	
Dichlorodifluoromethane (Freon 12)	10.1	2.0	µg/L	10.0		101	40-160	0.688	25	†
1,1-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130	2.75	25	
1,2-Dichloroethane	9.82	1.0	µg/L	10.0		98.2	70-130	0.204	25	
1,1-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	13.6	25	
cis-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	1.72	25	
trans-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130	2.18	25	
1,2-Dichloropropane	11.0	1.0	µg/L	10.0		110	70-130	3.41	25	
cis-1,3-Dichloropropene	11.1	0.50	µg/L	10.0		111	70-130	1.45	25	
trans-1,3-Dichloropropene	10.9	0.50	µg/L	10.0		109	70-130	1.10	25	
1,4-Dioxane	115	50	µg/L	100		115	40-130	3.18	50	† ‡
Ethylbenzene	11.1	1.0	µg/L	10.0		111	70-130	0.0901	25	
2-Hexanone (MBK)	119	10	µg/L	100		119	70-160	1.88	25	V-20 †
Isopropylbenzene (Cumene)	10.8	1.0	µg/L	10.0		108	70-130	0.185	25	
Methyl Acetate	8.46	1.0	µg/L	10.0		84.6	70-130	0.589	25	
Methyl tert-Butyl Ether (MTBE)	10.7	1.0	µg/L	10.0		107	70-130	0.650	25	
Methyl Cyclohexane	11.0	1.0	µg/L	10.0		110	70-130	0.182	25	
Methylene Chloride	10.5	5.0	µg/L	10.0		105	70-130	3.75	25	
4-Methyl-2-pentanone (MIBK)	118	10	µg/L	100		118	70-160	0.102	25	†
Styrene	11.1	1.0	µg/L	10.0		111	70-130	0.721	25	

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B329608 - SW-846 5030B										
LCS Dup (B329608-BSD1)				Prepared & Analyzed: 01/25/23						
1,1,2,2-Tetrachloroethane	10.9	0.50	µg/L	10.0		109	70-130	0.277	25	
Tetrachloroethylene	11.0	1.0	µg/L	10.0		110	70-130	1.45	25	
Toluene	10.8	1.0	µg/L	10.0		108	70-130	1.39	25	
1,2,3-Trichlorobenzene	13.5	5.0	µg/L	10.0		135	* 70-130	2.16	25	L-02, V-20
1,2,4-Trichlorobenzene	12.9	1.0	µg/L	10.0		129	70-130	1.09	25	
1,1,1-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130	1.55	25	
1,1,2-Trichloroethane	11.2	1.0	µg/L	10.0		112	70-130	1.89	25	
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	2.69	25	
Trichlorofluoromethane (Freon 11)	9.52	2.0	µg/L	10.0		95.2	70-130	3.61	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2	1.0	µg/L	10.0		102	70-130	2.81	25	
Vinyl Chloride	9.06	2.0	µg/L	10.0		90.6	40-160	2.12	25	†
m+p Xylene	22.1	2.0	µg/L	20.0		111	70-130	0.406	25	
o-Xylene	11.0	1.0	µg/L	10.0		110	70-130	0.0913	25	
Xylenes (total)	33.1	1.0	µg/L	30.0		110	0-200	0.241		
Surrogate: 1,2-Dichloroethane-d4	26.3		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	24.6		µg/L	25.0		98.5	70-130			
Surrogate: 4-Bromofluorobenzene	23.9		µg/L	25.0		95.6	70-130			

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

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

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

Batch B329760 - EPA 200.7
Blank (B329760-BLK1)

Prepared: 01/26/23 Analyzed: 01/27/23

Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							

LCS (B329760-BS1)

Prepared: 01/26/23 Analyzed: 01/27/23

Aluminum	0.467	0.050	mg/L	0.500		93.3	85-115			
Iron	3.96	0.050	mg/L	4.00		99.0	85-115			
Zinc	0.992	0.010	mg/L	1.00		99.2	85-115			

LCS Dup (B329760-BSD1)

Prepared: 01/26/23 Analyzed: 01/27/23

Aluminum	0.455	0.050	mg/L	0.500		91.0	85-115	2.51	20	
Iron	3.89	0.050	mg/L	4.00		97.2	85-115	1.84	20	
Zinc	0.984	0.010	mg/L	1.00		98.4	85-115	0.764	20	

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B330615 - EPA 1664B										
Blank (B330615-BLK1)				Prepared & Analyzed: 02/06/23						
Oil & Grease (HEM)	ND	1.4	mg/L							
Blank (B330615-BLK2)				Prepared & Analyzed: 02/06/23						
Oil & Grease (HEM)	ND	70	mg/L							
LCS (B330615-BS1)				Prepared & Analyzed: 02/06/23						
Oil & Grease (HEM)	18	1.4	mg/L	20.0		88.5	78-114			
LCS (B330615-BS2)				Prepared & Analyzed: 02/06/23						
Oil & Grease (HEM)	880	70	mg/L	1000		88.0	78-114			
Duplicate (B330615-DUP1)		Source: 23A2337-01		Prepared & Analyzed: 02/06/23						
Oil & Grease (HEM)	ND	1.5	mg/L		ND			NC	18	
Matrix Spike (B330615-MS1)		Source: 23A2337-01		Prepared & Analyzed: 02/06/23						
Oil & Grease (HEM)	200	14	mg/L	200	ND	99.0	78-114			

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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-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.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
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
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
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023

CHAIN OF CUSTODY

**Client: New York State Dept. of
Environmental Conservation**

PAGE 1 OF 1

DEC Site #: 907016

1	23	23

FED-EX Tracking #	Bottle Order Control #
Lab Quote #	Lab Job #

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

 Standard 14 Days

1 day RUSH

Other _____

Laboratory Information

Lab: Pace Analytical Services

Address: 39 Spruce St, East Longmeadow, MA 01028

Phone: 518-608-1036

Lab PM: Michael Buttrick

Lab PM Email:

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + QC Summary

FULLT1 (Level 3 & 4)

NI Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

NI Data of Known Quality Protocol Reporting

NYASP Category A

 **NYASP Category B**

State Forms

EDD Format

☒ Other NYSDEC EDD FOR NYSDEC EQUIS

Sample Custody must be documented below each time samples change possession, including courier.		
Relinquished By Sample:	Date / Time:	Received By:
1 <i>[Signature]</i>	1 1/23 1200	1 <i>[Signature]</i> 48 1/2/23
Relinquished By:	Date / Time:	Received By:
2	2	2
Relinquished By:	Date / Time:	Received By:
3	3	3
Custody Seal Number: ☒ Intact ☐ Preserved where applicable		

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



Client GFS
Project NYSDEC Falconer
MCP/RCP Required NO
Deliverable Package Requirement NY Gov B
Location 3000 Falconer St, Freeburg, NY
PWSID# (When Applicable) n/a
Arrival Method Fed Ex (# 791321020869)
Received By / Date / Time LA 1/24/23 12:00
Back-Sheet By / Date / Time NCM 1/24/23 15:13
Temperature Method Gen # 3
Temp < 6° C ☒ Actual Temperature 18
Rush Samples: Yes / No NO Notify
Short Hold: Yes / No NO Notify

Notes regarding Samples/COC outside of SOP:

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

Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	NaS2O3	Other Preservative	
1L <u>Amber</u> Plastic				2					
500 mL Amber Plastic									
250 mL Amber <u>Plastic</u>			1						
Other Amber Clear Plastic									
16oz Amber Clear									
8oz Amber Clear									
4oz Amber Clear									
2oz Amber Clear									
Col/Bacteria									
Flashpoint									
Plastic Bag									
SOC Kit									
Perchlorate									
Encore									
Frozen									
	Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials	Yes		6						

<https://www.fedex.com/en-us/home.html>[Sign Up or Log In](#)

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12/30/2022 8:08 AM

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JAMESTOWN, NY

1/23/2023 11:29 AM

IN TRANSIT

WINDSOR LOCKS, CT

1/24/2023 7:02 AM

OUT FOR DELIVERY

WINDSOR LOCKS, CT

1/24/2023 7:10 AM

DELIVERED

East Longmeadow, MA US

DELIVERED

1/24/2023 at 9:01 AM

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Manage Delivery



March 6, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23B2427

Enclosed are results of analyses for samples as received by the laboratory on February 22, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 3/6/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23B2427

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

PROJECT LOCATION: 300 Falconer Street, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	23B2427-01	Water		EPA 1664B EPA 200.7 SW-846 8260D	
Treatment Influent	23B2427-02	Water		SW-846 8260D	
Trip Blank	23B2427-03	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.

EPA 200.7**Qualifications:**

B-08

Continuing Calibration Blank (CCB) was greater than the method detection limit but less than the reporting limit.

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

23B2427-01[Treatment Effluent]

SW-846 8260D**Qualifications:**

RL-11

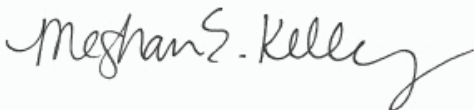
Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23B2427-02[Treatment Influent]

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

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23B2427

Date Received: 2/22/2023

Field Sample #: Treatment Effluent

Sampled: 2/21/2023 12:45

Sample ID: 23B2427-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	9.4	50	2.0	µg/L	1	J	SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
cis-1,2-Dichloroethylene	23	1.0	0.15	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23B2427

Date Received: 2/22/2023

Field Sample #: Treatment Effluent

Sampled: 2/21/2023 12:45

Sample ID: 23B2427-01

Sample Matrix: 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	2/24/23	2/25/23 3:20	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Trichloroethylene	14	1.0	0.19	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	2/24/23	2/25/23 3:20	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	106	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	100	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23B2427

Date Received: 2/22/2023

Field Sample #: Treatment Effluent

Sampled: 2/21/2023 12:45

Sample ID: 23B2427-01

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.045	mg/L	1		EPA 200.7	2/23/23	2/24/23 17:56	NC
Iron	3.7	0.050	0.047	mg/L	1		EPA 200.7	2/23/23	2/24/23 17:56	NC
Zinc	0.022	0.010	0.0042	mg/L	1	B-08	EPA 200.7	2/23/23	2/24/23 17:56	NC

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23B2427

Date Received: 2/22/2023

Field Sample #: Treatment Effluent

Sampled: 2/21/2023 12:45

Sample ID: 23B2427-01

Sample Matrix: Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Silica Gel Treated HEM (SGT-HEM)	ND	1.4	0.42	mg/L	1		EPA 1664B	3/6/23	3/6/23 11:00	LL

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23B2427

Date Received: 2/22/2023

Field Sample #: Treatment Influent

Sampled: 2/21/2023 12:50

Sample ID: 23B2427-02

Sample Matrix: 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	2/24/23	2/25/23 3:48	EEH
Benzene	ND	50	10	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Bromochloromethane	ND	50	15	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Bromodichloromethane	ND	25	9.0	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Bromoform	ND	50	19	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Bromomethane	ND	100	77	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
2-Butanone (MEK)	ND	1000	81	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Carbon Disulfide	ND	250	72	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Carbon Tetrachloride	ND	250	8.2	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Chlorobenzene	ND	50	5.3	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Chlorodibromomethane	ND	25	11	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Chloroethane	ND	100	16	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Chloroform	ND	100	8.4	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Chloromethane	ND	100	26	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Cyclohexane	ND	250	88	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	40	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
1,2-Dibromoethane (EDB)	ND	25	8.5	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
1,2-Dichlorobenzene	ND	50	6.1	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
1,3-Dichlorobenzene	ND	50	5.9	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
1,4-Dichlorobenzene	ND	50	6.5	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Dichlorodifluoromethane (Freon 12)	ND	100	9.6	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
1,1-Dichloroethane	ND	50	7.1	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
1,2-Dichloroethane	ND	50	15	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
1,1-Dichloroethylene	7.5	50	7.1	µg/L	50	J	SW-846 8260D	2/24/23	2/25/23 3:48	EEH
cis-1,2-Dichloroethylene	3100	50	7.3	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
trans-1,2-Dichloroethylene	12	50	8.4	µg/L	50	J	SW-846 8260D	2/24/23	2/25/23 3:48	EEH
1,2-Dichloropropane	ND	50	9.1	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
cis-1,3-Dichloropropene	ND	25	7.9	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
trans-1,3-Dichloropropene	ND	25	8.4	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
1,4-Dioxane	ND	2500	1000	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Ethylbenzene	ND	50	11	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
2-Hexanone (MBK)	ND	500	56	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Isopropylbenzene (Cumene)	ND	50	5.4	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Methyl Acetate	ND	50	23	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Methyl tert-Butyl Ether (MTBE)	ND	50	8.6	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Methyl Cyclohexane	ND	50	12	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Methylene Chloride	ND	250	12	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
4-Methyl-2-pentanone (MIBK)	ND	500	64	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Styrene	ND	50	5.3	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
1,1,2,2-Tetrachloroethane	ND	25	6.3	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Tetrachloroethylene	ND	50	9.4	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Toluene	ND	50	11	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
1,2,3-Trichlorobenzene	ND	250	15	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
1,2,4-Trichlorobenzene	ND	50	12	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23B2427

Date Received: 2/22/2023

Field Sample #: Treatment Influent

Sampled: 2/21/2023 12:50

Sample ID: 23B2427-02

Sample Matrix: 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	2/24/23	2/25/23 3:48	EEH
1,1,2-Trichloroethane	ND	50	9.1	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Trichloroethylene	4100	50	9.5	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Trichlorofluoromethane (Freon 11)	ND	100	8.8	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	50	11	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Vinyl Chloride	92	100	10	µg/L	50	J	SW-846 8260D	2/24/23	2/25/23 3:48	EEH
Xylenes (total)	ND	50	50	µg/L	50		SW-846 8260D	2/24/23	2/25/23 3:48	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	107	70-130	
Toluene-d8	100	70-130	
4-Bromofluorobenzene	99.5	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23B2427

Date Received: 2/22/2023

Field Sample #: Trip Blank

Sampled: 2/21/2023 00:00

Sample ID: 23B2427-03

Sample Matrix: 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	2/24/23	2/25/23 2:25	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Chloroform	0.40	2.0	0.17	µg/L	1	J	SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH

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Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23B2427

Date Received: 2/22/2023

Field Sample #: Trip Blank

Sampled: 2/21/2023 00:00

Sample ID: 23B2427-03

Sample Matrix: 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	2/24/23	2/25/23 2:25	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:25	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	107	70-130	
Toluene-d8	100	70-130	
4-Bromofluorobenzene	99.3	70-130	

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Sample Extraction Data

EPA 1664B

Lab Number [Field ID]	Batch	Initial [mL]	Date
23B2427-01 [Treatment Effluent]	B33253	1000	03/06/23

Prep Method: EPA 200.7 Analytical Method: EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23B2427-01 [Treatment Effluent]	B332458	50.0	50.0	02/23/23

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23B2427-01 [Treatment Effluent]	B332579	5	5.00	02/24/23
23B2427-02 [Treatment Influent]	B332579	0.1	5.00	02/24/23
23B2427-03 [Trip Blank]	B332579	5	5.00	02/24/23

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

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

Batch B332579 - SW-846 5030B
Blank (B332579-BLK1)

Prepared: 02/24/23 Analyzed: 02/25/23

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
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 B332579 - SW-846 5030B										
Blank (B332579-BLK1)										
Prepared: 02/24/23 Analyzed: 02/25/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	26.2		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.0		99.8	70-130			
LCS (B332579-BS1)										
Prepared: 02/24/23 Analyzed: 02/25/23										
Acetone	95.6	50	µg/L	100		95.6	70-160			†
Benzene	9.27	1.0	µg/L	10.0		92.7	70-130			
Bromochloromethane	10.2	1.0	µg/L	10.0		102	70-130			
Bromodichloromethane	9.83	0.50	µg/L	10.0		98.3	70-130			
Bromoform	9.74	1.0	µg/L	10.0		97.4	70-130			
Bromomethane	11.3	2.0	µg/L	10.0		113	40-160			†
2-Butanone (MEK)	94.5	20	µg/L	100		94.5	40-160			†
Carbon Disulfide	110	5.0	µg/L	100		110	70-130			
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106	70-130			
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
Chlorodibromomethane	10.2	0.50	µg/L	10.0		102	70-130			
Chloroethane	11.3	2.0	µg/L	10.0		113	70-130			
Chloroform	9.65	2.0	µg/L	10.0		96.5	70-130			
Chloromethane	8.55	2.0	µg/L	10.0		85.5	40-160			†
Cyclohexane	9.62	5.0	µg/L	10.0		96.2	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.46	5.0	µg/L	10.0		84.6	70-130			
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130			
1,2-Dichlorobenzene	9.72	1.0	µg/L	10.0		97.2	70-130			
1,3-Dichlorobenzene	9.65	1.0	µg/L	10.0		96.5	70-130			
1,4-Dichlorobenzene	9.62	1.0	µg/L	10.0		96.2	70-130			
Dichlorodifluoromethane (Freon 12)	9.96	2.0	µg/L	10.0		99.6	40-160			†
1,1-Dichloroethane	9.67	1.0	µg/L	10.0		96.7	70-130			
1,2-Dichloroethane	9.99	1.0	µg/L	10.0		99.9	70-130			
1,1-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
cis-1,2-Dichloroethylene	9.86	1.0	µg/L	10.0		98.6	70-130			
trans-1,2-Dichloroethylene	9.48	1.0	µg/L	10.0		94.8	70-130			
1,2-Dichloropropane	9.17	1.0	µg/L	10.0		91.7	70-130			
cis-1,3-Dichloropropene	9.07	0.50	µg/L	10.0		90.7	70-130			
trans-1,3-Dichloropropene	8.99	0.50	µg/L	10.0		89.9	70-130			
1,4-Dioxane	93.3	50	µg/L	100		93.3	40-130			†
Ethylbenzene	9.93	1.0	µg/L	10.0		99.3	70-130			
2-Hexanone (MBK)	92.8	10	µg/L	100		92.8	70-160			†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130			
Methyl Acetate	10.1	1.0	µg/L	10.0		101	70-130			
Methyl tert-Butyl Ether (MTBE)	9.33	1.0	µg/L	10.0		93.3	70-130			
Methyl Cyclohexane	9.65	1.0	µg/L	10.0		96.5	70-130			
Methylene Chloride	9.75	5.0	µg/L	10.0		97.5	70-130			
4-Methyl-2-pentanone (MIBK)	95.2	10	µg/L	100		95.2	70-160			†
Styrene	9.89	1.0	µg/L	10.0		98.9	70-130			
1,1,2,2-Tetrachloroethane	7.72	0.50	µg/L	10.0		77.2	70-130			
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
Toluene	9.83	1.0	µg/L	10.0		98.3	70-130			
1,2,3-Trichlorobenzene	8.88	5.0	µg/L	10.0		88.8	70-130			
1,2,4-Trichlorobenzene	8.89	1.0	µg/L	10.0		88.9	70-130			
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103	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 B332579 - SW-846 5030B										
LCS (B332579-BS1)										
Prepared: 02/24/23 Analyzed: 02/25/23										
1,1,2-Trichloroethane	9.78	1.0	µg/L	10.0		97.8	70-130			
Trichloroethylene	11.9	1.0	µg/L	10.0		119	70-130			
Trichlorofluoromethane (Freon 11)	11.5	2.0	µg/L	10.0		115	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	1.0	µg/L	10.0		109	70-130			
Vinyl Chloride	8.32	2.0	µg/L	10.0		83.2	40-160			†
m+p Xylene	20.6	2.0	µg/L	20.0		103	70-130			
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130			
Xylenes (total)	30.8	1.0	µg/L	30.0		103	0-200			
Surrogate: 1,2-Dichloroethane-d4	26.1		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	26.0		µg/L	25.0		104	70-130			
LCS Dup (B332579-BSD1)										
Prepared: 02/24/23 Analyzed: 02/25/23										
Acetone	110	50	µg/L	100		110	70-160	13.8	25	†
Benzene	9.52	1.0	µg/L	10.0		95.2	70-130	2.66	25	
Bromochloromethane	10.6	1.0	µg/L	10.0		106	70-130	4.34	25	
Bromodichloromethane	10.0	0.50	µg/L	10.0		100	70-130	1.81	25	
Bromoform	10.7	1.0	µg/L	10.0		107	70-130	9.30	25	
Bromomethane	11.6	2.0	µg/L	10.0		116	40-160	2.88	25	†
2-Butanone (MEK)	107	20	µg/L	100		107	40-160	12.0	25	†
Carbon Disulfide	105	5.0	µg/L	100		105	70-130	4.51	25	
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106	70-130	0.189	25	
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	2.33	25	
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107	70-130	4.51	25	
Chloroethane	11.0	2.0	µg/L	10.0		110	70-130	2.87	25	
Chloroform	9.79	2.0	µg/L	10.0		97.9	70-130	1.44	25	
Chloromethane	8.92	2.0	µg/L	10.0		89.2	40-160	4.24	25	†
Cyclohexane	9.80	5.0	µg/L	10.0		98.0	70-130	1.85	25	
1,2-Dibromo-3-chloropropane (DBCP)	10.4	5.0	µg/L	10.0		104	70-130	20.8	25	
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0		110	70-130	7.87	25	
1,2-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	8.09	25	
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	5.05	25	
1,4-Dichlorobenzene	9.78	1.0	µg/L	10.0		97.8	70-130	1.65	25	
Dichlorodifluoromethane (Freon 12)	9.89	2.0	µg/L	10.0		98.9	40-160	0.705	25	†
1,1-Dichloroethane	9.51	1.0	µg/L	10.0		95.1	70-130	1.67	25	
1,2-Dichloroethane	10.3	1.0	µg/L	10.0		103	70-130	3.06	25	
1,1-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	1.80	25	
cis-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	1.91	25	
trans-1,2-Dichloroethylene	9.72	1.0	µg/L	10.0		97.2	70-130	2.50	25	
1,2-Dichloropropane	9.31	1.0	µg/L	10.0		93.1	70-130	1.52	25	
cis-1,3-Dichloropropene	9.30	0.50	µg/L	10.0		93.0	70-130	2.50	25	
trans-1,3-Dichloropropene	9.14	0.50	µg/L	10.0		91.4	70-130	1.65	25	
1,4-Dioxane	118	50	µg/L	100		118	40-130	23.3	50	† ‡
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	2.98	25	
2-Hexanone (MBK)	109	10	µg/L	100		109	70-160	16.2	25	†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130	1.55	25	
Methyl Acetate	11.2	1.0	µg/L	10.0		112	70-130	10.6	25	
Methyl tert-Butyl Ether (MTBE)	10.1	1.0	µg/L	10.0		101	70-130	8.22	25	
Methyl Cyclohexane	9.64	1.0	µg/L	10.0		96.4	70-130	0.104	25	
Methylene Chloride	9.90	5.0	µg/L	10.0		99.0	70-130	1.53	25	
4-Methyl-2-pentanone (MIBK)	109	10	µg/L	100		109	70-160	13.4	25	†
Styrene	10.4	1.0	µg/L	10.0		104	70-130	5.03	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 B332579 - SW-846 5030B										
LCS Dup (B332579-BSD1)										
Prepared: 02/24/23 Analyzed: 02/25/23										
1,1,2,2-Tetrachloroethane	9.54	0.50	µg/L	10.0		95.4	70-130	21.1	25	
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130	0.193	25	
Toluene	9.96	1.0	µg/L	10.0		99.6	70-130	1.31	25	
1,2,3-Trichlorobenzene	10.6	5.0	µg/L	10.0		106	70-130	17.8	25	
1,2,4-Trichlorobenzene	9.88	1.0	µg/L	10.0		98.8	70-130	10.5	25	
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130	0.581	25	
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130	7.39	25	
Trichloroethylene	11.3	1.0	µg/L	10.0		113	70-130	5.24	25	
Trichlorofluoromethane (Freon 11)	11.3	2.0	µg/L	10.0		113	70-130	1.75	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130	3.83	25	
Vinyl Chloride	7.83	2.0	µg/L	10.0		78.3	40-160	6.07	25	†
m+p Xylene	21.0	2.0	µg/L	20.0		105	70-130	2.07	25	
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130	3.16	25	
Xylenes (total)	31.6	1.0	µg/L	30.0		105	0-200	2.44		
Surrogate: 1,2-Dichloroethane-d4	26.5		µg/L	25.0		106	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	26.2		µg/L	25.0		105	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

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

Batch B332458 - EPA 200.7
Blank (B332458-BLK1)

Prepared: 02/23/23 Analyzed: 02/24/23

Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							

LCS (B332458-BS1)

Prepared: 02/23/23 Analyzed: 02/24/23

Aluminum	0.465	0.050	mg/L	0.500		92.9	85-115			
Iron	3.88	0.050	mg/L	4.00		97.0	85-115			
Zinc	0.997	0.010	mg/L	1.00		99.7	85-115			

LCS Dup (B332458-BSD1)

Prepared: 02/23/23 Analyzed: 02/24/23

Aluminum	0.450	0.050	mg/L	0.500		90.1	85-115	3.11	20	
Iron	3.82	0.050	mg/L	4.00		95.4	85-115	1.73	20	
Zinc	0.977	0.010	mg/L	1.00		97.7	85-115	2.03	20	

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

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

Batch B333253 - EPA 1664B
Blank (B333253-BLK1)

Prepared & Analyzed: 03/06/23

Silica Gel Treated HEM (SGT-HEM) ND 1.4 mg/L

LCS (B333253-BS1)

Prepared & Analyzed: 03/06/23

Silica Gel Treated HEM (SGT-HEM) 9.6 1.4 mg/L 10.0 96.0 64-132

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**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.
B-08	Continuing Calibration Blank (CCB) was greater than the method detection limit but less than the reporting limit.
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.

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-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
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023

CHAIN OF CUSTODY

DEC Site #: 907016

**Client: New York State Dept. of
Environmental Conservation**

PAGE 1 OF

FED-EX Tracking #

Bottle Order Control #

Lab Quote #

Lab Job #	

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

 Standard 14 Days

1. day RUSH

Other _____

Laboratory Information

Lab: Pace Analytical Services

Address: 39 Spruce St. East Longmeadow, MA 01028

Phone: 518-608-1036

Lab PM: Michael Buttrick

Lab PM Email:

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + QC Summary

FULLT1 (Level 3 & 4)

NJ Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

NI Data of Known Quality Protocol Reporting

NYASP Category A

NYASP Category B

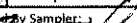
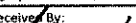
State Forms

EDD Format

☒ Other NYSDEC EDD FOR NYSDEC EQUIS

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/Buffalo/NY/MainSt/2929-2939_LabReport#.30987.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.		
Relinquished By Sampler: 1 	Date / Time: 1 2/21 1530	Received By: 1  2.5 21
Relinquished By: 2	Date / Time: 2	Received By: 2
Relinquished By: 3	Date / Time: 3	Received By: 3
Custody Seal Number: ☒ Intact ☐ Preserved where applicable		

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2/21/2023 3:06 PM

IN TRANSIT

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WINDSOR LOCKS, CT

2/22/2023 7:17 AM

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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



Client GES
Project FREWSBURG
MCP/RCP Required N/A
Deliverable Package Req. N/A
Location 300 Falconer Street, Frewsburg, NY
PWSID# (When Applicable) MA

Arrival Method:

Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐

Received By / Date / Time LA 2/22/23 935

Back-Sheet By / Date / Time LA 2/22/23 1444

Temperature Method Gun # 5

Temp ☒ < 6° C Actual Temperature 2.5

Rush Samples: Yes / ☒ No Notify

Short Hold: Yes / ☒ No Notify

Notes regarding Samples/COC outside of SOP:

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client	☒	Analysis	☒	Sampler Name	☒
Project	☒	IDs	☒	Collection Date/Time	☒

All Samples Proper pH: N/A ☐ ☐

Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	NaS2O3	Other Preservative	
1L <u>Amber</u> Plastic				2					
500 mL Amber Plastic									
250 mL Amber <u>Plastic</u>			1						
Other Amber Clear Plastic									
16oz Amber Clear									
8oz Amber Clear									
4oz Amber Clear									
2oz Amber Clear									
Col/Bacteria									
Flashpoint									
Plastic Bag									
SOC Kit									
Perchlorate									
Encore									
Frozen									
	Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials	N/A		6						

Page 25 of 2

March 23, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer Steet, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23C1652

Enclosed are results of analyses for samples as received by the laboratory on March 15, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 3/23/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23C1652

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

PROJECT LOCATION: 300 Falconer Steet, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	23C1652-01	Ground Water		EPA 1664B EPA 200.7 SW-846 8260D	
Treatment Influent	23C1652-02	Ground Water		SW-846 8260D	
Trip Blank	23C1652-03	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:

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23C1652-02[Treatment 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:

Chloromethane

23C1652-01[Treatment Effluent], 23C1652-02[Treatment Influent], 23C1652-03[Trip Blank], B334451-BLK1, B334451-BS1, B334451-BSD1, S084757-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

23C1652-02[Treatment Influent], B334451-BS1, B334451-BSD1, S084757-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:

Chloroethane

B334451-BS1, B334451-BSD1, S084757-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.



Daren J. Damboragian
Director of Operations

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

Project Location: 300 Falconer Steet, Frewsburg, NY

Sample Description:

Work Order: 23C1652

Date Received: 3/15/2023

Field Sample #: Treatment Effluent

Sampled: 3/14/2023 11:30

Sample ID: 23C1652-01

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	7.5	50	2.0	µg/L	1	J	SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Chloromethane	0.98	2.0	0.50	µg/L	1	V-05, J	SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
cis-1,2-Dichloroethylene	29	1.0	0.14	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH

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

Project Location: 300 Falconer Steet, Frewsburg, NY

Sample Description:

Work Order: 23C1652

Date Received: 3/15/2023

Field Sample #: Treatment Effluent

Sampled: 3/14/2023 11:30

Sample ID: 23C1652-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Trichloroethylene	17	1.0	0.17	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	3/17/23	3/18/23 0:49	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	112	70-130	
Toluene-d8	103	70-130	
4-Bromofluorobenzene	98.6	70-130	

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

Project Location: 300 Falconer Steet, Frewsburg, NY Sample Description:

Work Order: 23C1652

Date Received: 3/15/2023

Field Sample #: Treatment Effluent

Sampled: 3/14/2023 11:30

Sample ID: 23C1652-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.045	mg/L	1		EPA 200.7	3/16/23	3/17/23 16:08	HNN
Iron	2.5	0.050	0.047	mg/L	1		EPA 200.7	3/16/23	3/17/23 16:08	HNN
Zinc	0.017	0.010	0.0042	mg/L	1		EPA 200.7	3/16/23	3/17/23 16:08	HNN

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

Project Location: 300 Falconer Steet, Frewsburg, NY

Sample Description:

Work Order: 23C1652

Date Received: 3/15/2023

Field Sample #: Treatment Effluent

Sampled: 3/14/2023 11:30

Sample ID: 23C1652-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Silica Gel Treated HEM (SGT-HEM)	0.60	1.4	0.42	mg/L	1	J	EPA 1664B	3/16/23	3/16/23 10:20	LL

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

Project Location: 300 Falconer Steet, Frewsburg, NY

Sample Description:

Work Order: 23C1652

Date Received: 3/15/2023

Field Sample #: Treatment Influent

Sampled: 3/14/2023 11:40

Sample ID: 23C1652-02

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	130	2000	80	µg/L	40	J	SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Benzene	ND	40	7.4	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Bromochloromethane	ND	40	11	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Bromodichloromethane	ND	20	6.3	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Bromoform	ND	40	16	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Bromomethane	ND	80	53	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
2-Butanone (MEK)	ND	800	67	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Carbon Disulfide	ND	200	62	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Carbon Tetrachloride	ND	200	6.5	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Chlorobenzene	ND	40	4.8	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Chlorodibromomethane	ND	20	8.0	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Chloroethane	ND	80	14	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Chloroform	15	80	5.6	µg/L	40	J	SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Chloromethane	ND	80	20	µg/L	40	V-05	SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Cyclohexane	ND	200	71	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	200	34	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
1,2-Dibromoethane (EDB)	ND	20	6.4	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
1,2-Dichlorobenzene	ND	40	5.2	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
1,3-Dichlorobenzene	ND	40	5.5	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
1,4-Dichlorobenzene	ND	40	5.1	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	80	6.4	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
1,1-Dichloroethane	ND	40	5.5	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
1,2-Dichloroethane	ND	40	12	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
1,1-Dichloroethylene	9.2	40	5.6	µg/L	40	J	SW-846 8260D	3/17/23	3/18/23 1:45	EEH
cis-1,2-Dichloroethylene	3600	40	5.6	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
trans-1,2-Dichloroethylene	14	40	6.9	µg/L	40	J	SW-846 8260D	3/17/23	3/18/23 1:45	EEH
1,2-Dichloropropane	ND	40	7.7	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
cis-1,3-Dichloropropene	ND	20	6.5	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
trans-1,3-Dichloropropene	ND	20	5.7	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
1,4-Dioxane	ND	2000	720	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Ethylbenzene	ND	40	8.8	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
2-Hexanone (MBK)	ND	400	48	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Isopropylbenzene (Cumene)	ND	40	6.0	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Methyl Acetate	ND	40	24	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Methyl tert-Butyl Ether (MTBE)	ND	40	6.8	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Methyl Cyclohexane	ND	40	6.2	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Methylene Chloride	ND	200	7.1	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	400	53	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Styrene	ND	40	6.0	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
1,1,2,2-Tetrachloroethane	ND	20	5.5	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Tetrachloroethylene	ND	40	6.7	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Toluene	ND	40	8.9	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
1,2,3-Trichlorobenzene	ND	200	14	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
1,2,4-Trichlorobenzene	ND	40	12	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH

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

Project Location: 300 Falconer Steet, Frewsburg, NY

Sample Description:

Work Order: 23C1652

Date Received: 3/15/2023

Field Sample #: Treatment Influent

Sampled: 3/14/2023 11:40

Sample ID: 23C1652-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	40	6.0	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
1,1,2-Trichloroethane	ND	40	7.6	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Trichloroethylene	3700	40	7.0	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Trichlorofluoromethane (Freon 11)	ND	80	6.2	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	40	8.3	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Vinyl Chloride	170	80	9.5	µg/L	40	V-06	SW-846 8260D	3/17/23	3/18/23 1:45	EEH
Xylenes (total)	ND	40	40	µg/L	40		SW-846 8260D	3/17/23	3/18/23 1:45	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	110	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	97.4	70-130	

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

Project Location: 300 Falconer Steet, Frewsburg, NY

Sample Description:

Work Order: 23C1652

Date Received: 3/15/2023

Field Sample #: Trip Blank

Sampled: 3/14/2023 00:00

Sample ID: 23C1652-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Chloroform	0.22	2.0	0.14	µg/L	1	J	SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Chloromethane	ND	2.0	0.50	µg/L	1	V-05	SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH

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

Project Location: 300 Falconer Steet, Frewsburg, NY Sample Description:

Work Order: 23C1652

Date Received: 3/15/2023

Field Sample #: Trip Blank

Sampled: 3/14/2023 00:00

Sample ID: 23C1652-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	3/17/23	3/17/23 22:59	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	110	70-130	3/17/23 22:59
Toluene-d8	100	70-130	3/17/23 22:59
4-Bromofluorobenzene	98.2	70-130	3/17/23 22:59

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
23C1652-01 [Treatment Effluent]	B334324	1000	03/16/23

Prep Method: EPA 200.7 Analytical Method: EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23C1652-01 [Treatment Effluent]	B334396	50.0	50.0	03/16/23

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23C1652-01 [Treatment Effluent]	B334451	5	5.00	03/17/23
23C1652-02 [Treatment Influent]	B334451	0.125	5.00	03/17/23
23C1652-03 [Trip Blank]	B334451	5	5.00	03/17/23

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

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

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

Batch B334451 - SW-846 5030B
Blank (B334451-BLK1)

Prepared & Analyzed: 03/17/23

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05
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							

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B334451 - SW-846 5030B										
Blank (B334451-BLK1)										
Prepared & Analyzed: 03/17/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	27.7		µg/L	25.0		111	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	24.4		µg/L	25.0		97.4	70-130			
LCS (B334451-BS1)										
Prepared & Analyzed: 03/17/23										
Acetone	104	50	µg/L	100		104	70-160			†
Benzene	10.1	1.0	µg/L	10.0		101	70-130			
Bromochloromethane	11.9	1.0	µg/L	10.0		119	70-130			
Bromodichloromethane	10.5	0.50	µg/L	10.0		105	70-130			
Bromoform	9.95	1.0	µg/L	10.0		99.5	70-130			
Bromomethane	11.2	2.0	µg/L	10.0		112	40-160			†
2-Butanone (MEK)	111	20	µg/L	100		111	40-160			†
Carbon Disulfide	120	5.0	µg/L	100		120	70-130			
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130			
Chlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
Chlorodibromomethane	10.2	0.50	µg/L	10.0		102	70-130			
Chloroethane	12.2	2.0	µg/L	10.0		122	70-130			V-20
Chloroform	10.5	2.0	µg/L	10.0		105	70-130			
Chloromethane	8.60	2.0	µg/L	10.0		86.0	40-160			V-05 †
Cyclohexane	10.6	5.0	µg/L	10.0		106	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.12	5.0	µg/L	10.0		91.2	70-130			
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.0		100	70-130			
1,2-Dichlorobenzene	9.89	1.0	µg/L	10.0		98.9	70-130			
1,3-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130			
1,4-Dichlorobenzene	9.92	1.0	µg/L	10.0		99.2	70-130			
Dichlorodifluoromethane (Freon 12)	10.2	2.0	µg/L	10.0		102	40-160			†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
1,2-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
1,1-Dichloroethylene	11.5	1.0	µg/L	10.0		115	70-130			
cis-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
1,2-Dichloropropane	9.89	1.0	µg/L	10.0		98.9	70-130			
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130			
trans-1,3-Dichloropropene	9.56	0.50	µg/L	10.0		95.6	70-130			
1,4-Dioxane	100	50	µg/L	100		100	40-130			†
Ethylbenzene	10.0	1.0	µg/L	10.0		100	70-130			
2-Hexanone (MBK)	107	10	µg/L	100		107	70-160			†
Isopropylbenzene (Cumene)	9.99	1.0	µg/L	10.0		99.9	70-130			
Methyl Acetate	11.5	1.0	µg/L	10.0		115	70-130			
Methyl tert-Butyl Ether (MTBE)	9.99	1.0	µg/L	10.0		99.9	70-130			
Methyl Cyclohexane	9.44	1.0	µg/L	10.0		94.4	70-130			
Methylene Chloride	12.0	5.0	µg/L	10.0		120	70-130			
4-Methyl-2-pentanone (MIBK)	106	10	µg/L	100		106	70-160			†
Styrene	10.2	1.0	µg/L	10.0		102	70-130			
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130			
Tetrachloroethylene	9.93	1.0	µg/L	10.0		99.3	70-130			
Toluene	9.71	1.0	µg/L	10.0		97.1	70-130			
1,2,3-Trichlorobenzene	9.79	5.0	µg/L	10.0		97.9	70-130			
1,2,4-Trichlorobenzene	9.58	1.0	µg/L	10.0		95.8	70-130			
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130			

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B334451 - SW-846 5030B										
LCS (B334451-BS1)										
Prepared & Analyzed: 03/17/23										
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
Trichloroethylene	9.64	1.0	µg/L	10.0		96.4	70-130			
Trichlorofluoromethane (Freon 11)	11.6	2.0	µg/L	10.0		116	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.0		110	70-130			
Vinyl Chloride	14.5	2.0	µg/L	10.0		145	40-160			V-06 †
m+p Xylene	20.3	2.0	µg/L	20.0		101	70-130			
o-Xylene	10.1	1.0	µg/L	10.0		101	70-130			
Xylenes (total)	30.4	1.0	µg/L	30.0		101	0-200			
Surrogate: 1,2-Dichloroethane-d4	27.6		µg/L	25.0		110	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.6		µg/L	25.0		102	70-130			
LCS Dup (B334451-BSD1)										
Prepared & Analyzed: 03/17/23										
Acetone	109	50	µg/L	100		109	70-160	4.69	25	†
Benzene	10.3	1.0	µg/L	10.0		103	70-130	2.06	25	
Bromochloromethane	12.2	1.0	µg/L	10.0		122	70-130	2.41	25	
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130	0.853	25	
Bromoform	10.2	1.0	µg/L	10.0		102	70-130	2.29	25	
Bromomethane	12.0	2.0	µg/L	10.0		120	40-160	6.56	25	†
2-Butanone (MEK)	109	20	µg/L	100		109	40-160	1.21	25	†
Carbon Disulfide	121	5.0	µg/L	100		121	70-130	0.985	25	
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130	0.186	25	
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	2.34	25	
Chlorodibromomethane	10.5	0.50	µg/L	10.0		105	70-130	3.48	25	
Chloroethane	12.8	2.0	µg/L	10.0		128	70-130	4.16	25	V-20
Chloroform	10.6	2.0	µg/L	10.0		106	70-130	1.04	25	
Chloromethane	9.40	2.0	µg/L	10.0		94.0	40-160	8.89	25	V-05 †
Cyclohexane	10.7	5.0	µg/L	10.0		107	70-130	1.13	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.77	5.0	µg/L	10.0		97.7	70-130	6.88	25	
1,2-Dibromoethane (EDB)	10.3	0.50	µg/L	10.0		103	70-130	2.37	25	
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	3.28	25	
1,3-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	0.0997	25	
1,4-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	1.10	25	
Dichlorodifluoromethane (Freon 12)	10.1	2.0	µg/L	10.0		101	40-160	1.47	25	†
1,1-Dichloroethane	10.9	1.0	µg/L	10.0		109	70-130	2.89	25	
1,2-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130	0.498	25	
1,1-Dichloroethylene	11.7	1.0	µg/L	10.0		117	70-130	1.72	25	
cis-1,2-Dichloroethylene	11.2	1.0	µg/L	10.0		112	70-130	1.44	25	
trans-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	1.13	25	
1,2-Dichloropropane	10.1	1.0	µg/L	10.0		101	70-130	2.40	25	
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	0.591	25	
trans-1,3-Dichloropropene	9.85	0.50	µg/L	10.0		98.5	70-130	2.99	25	
1,4-Dioxane	91.0	50	µg/L	100		91.0	40-130	9.49	50	† ‡
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	1.09	25	
2-Hexanone (MBK)	106	10	µg/L	100		106	70-160	0.669	25	†
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.0		101	70-130	0.996	25	
Methyl Acetate	11.7	1.0	µg/L	10.0		117	70-130	1.73	25	
Methyl tert-Butyl Ether (MTBE)	10.2	1.0	µg/L	10.0		102	70-130	2.37	25	
Methyl Cyclohexane	9.83	1.0	µg/L	10.0		98.3	70-130	4.05	25	
Methylene Chloride	12.3	5.0	µg/L	10.0		123	70-130	2.06	25	
4-Methyl-2-pentanone (MIBK)	107	10	µg/L	100		107	70-160	0.657	25	†
Styrene	10.2	1.0	µg/L	10.0		102	70-130	0.195	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 B334451 - SW-846 5030B										
LCS Dup (B334451-BSD1)										
Prepared & Analyzed: 03/17/23										
1,1,2,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130	0.197	25	
Tetrachloroethylene	9.84	1.0	µg/L	10.0		98.4	70-130	0.910	25	
Toluene	10.0	1.0	µg/L	10.0		100	70-130	3.44	25	
1,2,3-Trichlorobenzene	10.1	5.0	µg/L	10.0		101	70-130	2.92	25	
1,2,4-Trichlorobenzene	9.76	1.0	µg/L	10.0		97.6	70-130	1.86	25	
1,1,1-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130	2.62	25	
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130	2.83	25	
Trichloroethylene	9.85	1.0	µg/L	10.0		98.5	70-130	2.15	25	
Trichlorofluoromethane (Freon 11)	11.5	2.0	µg/L	10.0		115	70-130	1.21	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	1.0	µg/L	10.0		109	70-130	1.01	25	
Vinyl Chloride	14.2	2.0	µg/L	10.0		142	40-160	2.44	25	V-06 †
m+p Xylene	20.6	2.0	µg/L	20.0		103	70-130	1.76	25	
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130	2.16	25	
Xylenes (total)	30.9	1.0	µg/L	30.0		103	0-200	1.89		
Surrogate: 1,2-Dichloroethane-d4	27.6		µg/L	25.0		110	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.6		µg/L	25.0		102	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B334396 - EPA 200.7										
Blank (B334396-BLK1)				Prepared: 03/16/23 Analyzed: 03/17/23						
Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							
LCS (B334396-BS1)				Prepared: 03/16/23 Analyzed: 03/17/23						
Aluminum	0.460	0.050	mg/L	0.500		92.1	85-115			
Iron	4.13	0.050	mg/L	4.00		103	85-115			
Zinc	1.04	0.010	mg/L	1.00		104	85-115			
LCS Dup (B334396-BSD1)				Prepared: 03/16/23 Analyzed: 03/17/23						
Aluminum	0.466	0.050	mg/L	0.500		93.2	85-115	1.18	20	
Iron	4.05	0.050	mg/L	4.00		101	85-115	1.91	20	
Zinc	1.05	0.010	mg/L	1.00		105	85-115	0.985	20	
Duplicate (B334396-DUP1)				Source: 23C1652-01		Prepared: 03/16/23 Analyzed: 03/17/23				
Aluminum	ND	0.050	mg/L		ND			NC	20	
Iron	2.50	0.050	mg/L		2.53			1.38	20	
Zinc	0.0166	0.010	mg/L		0.0172			3.70	20	
Matrix Spike (B334396-MS1)				Source: 23C1652-01		Prepared: 03/16/23 Analyzed: 03/17/23				
Aluminum	0.445	0.050	mg/L	0.500	ND	89.1	70-130			
Iron	6.48	0.050	mg/L	4.00	2.53	98.7	70-130			
Zinc	1.04	0.010	mg/L	1.00	0.0172	103	70-130			

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

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

Batch B334324 - EPA 1664B
Blank (B334324-BLK1)

Prepared & Analyzed: 03/16/23

Silica Gel Treated HEM (SGT-HEM) ND 1.4 mg/L

LCS (B334324-BS1)

Prepared & Analyzed: 03/16/23

Silica Gel Treated HEM (SGT-HEM) 8.0 1.4 mg/L 10.0 80.0 64-132

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

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
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
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-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
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023

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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



Client 6E S
Project Fremburg
MCP/RCP Required N/A
Deliverable Package Req. CAT B
Location 300 Falconer Street / Fremburg, NY
PWSID# (When Applicable) N/A
Arrival Method:
Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐
Received By / Date / Time LA 3/15/23 1009
Back-Sheet By / Date / Time LA 3/15/23 1141
Temperature Method Gun # 5
Temp ☒ < 6° C Actual Temperature 3.0
Rush Samples: Yes / No Notify
Short Hold: Yes / No Notify

Notes regarding Samples/COC outside of SOP:

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

Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	NaS2O3	Other Preservative	
1L <u>Amber</u> Plastic				2					
500 mL Amber Plastic									
250 mL Amber <u>Plastic</u>			5						
Other Amber Clear Plastic									
16oz Amber Clear									
8oz Amber Clear									
4oz Amber Clear									
2oz Amber Clear									
Col/Bacteria									
Flashpoint									
Plastic Bag									
SOC Kit									
Perchlorate									
Encore									
Frozen									
	Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials	N/A		6						

May 8, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23D2162

Enclosed are results of analyses for samples as received by the laboratory on April 19, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 5/8/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23D2162

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

PROJECT LOCATION: 300 Falconer Street, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	23D2162-01	Ground Water		EPA 1664B EPA 200.7 SW-846 8260D	
Treatment Influent	23D2162-02	Ground Water		SW-846 8260D	
Trip Blank	23D2162-03	Trip Blank Water		SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

EPA 200.7**Qualifications:**

B

Analyte is found in the associated laboratory blank as well as in the sample.

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

23D2162-01[Treatment Effluent], B337971-BLK1

SW-846 8260D**Qualifications:**

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23D2162-02[Treatment Influent]

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

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



Lisa A. Worthington
Technical Representative

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D2162

Date Received: 4/19/2023

Field Sample #: Treatment Effluent

Sampled: 4/18/2023 10:00

Sample ID: 23D2162-01

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	7.2	50	2.0	µg/L	1	J	SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
cis-1,2-Dichloroethylene	4.4	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D2162

Date Received: 4/19/2023

Field Sample #: Treatment Effluent

Sampled: 4/18/2023 10:00

Sample ID: 23D2162-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Trichloroethylene	1.8	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/20/23	4/23/23 5:14	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	119	70-130	
Toluene-d8	100	70-130	
4-Bromofluorobenzene	94.0	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D2162

Date Received: 4/19/2023

Field Sample #: Treatment Effluent

Sampled: 4/18/2023 10:00

Sample ID: 23D2162-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.045	mg/L	1		EPA 200.7	4/21/23	4/22/23 20:00	ATP
Iron	34	0.050	0.047	mg/L	1		EPA 200.7	4/21/23	4/22/23 20:00	ATP
Zinc	0.033	0.010	0.0042	mg/L	1	B	EPA 200.7	4/21/23	4/22/23 20:00	ATP

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D2162

Date Received: 4/19/2023

Field Sample #: Treatment Effluent

Sampled: 4/18/2023 10:00

Sample ID: 23D2162-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Oil & Grease (HEM)	ND	1.4	0.60	mg/L	1		EPA 1664B	5/8/23	5/8/23 13:16	II

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D2162

Date Received: 4/19/2023

Field Sample #: Treatment Influent

Sampled: 4/18/2023 10:10

Sample ID: 23D2162-02

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	130	2500	100	µg/L	50	J	SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Benzene	ND	50	9.2	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Bromochloromethane	ND	50	14	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Bromodichloromethane	ND	25	7.9	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Bromoform	ND	50	20	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Bromomethane	ND	100	66	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
2-Butanone (MEK)	180	1000	84	µg/L	50	J	SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Carbon Disulfide	ND	250	78	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Carbon Tetrachloride	ND	250	8.2	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Chlorobenzene	ND	50	5.9	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Chlorodibromomethane	ND	25	10	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Chloroethane	ND	100	17	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Chloroform	ND	100	7.0	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Chloromethane	ND	100	25	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Cyclohexane	ND	250	88	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	43	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
1,2-Dibromoethane (EDB)	ND	25	8.0	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
1,2-Dichlorobenzene	ND	50	6.5	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
1,3-Dichlorobenzene	ND	50	6.8	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
1,4-Dichlorobenzene	ND	50	6.4	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Dichlorodifluoromethane (Freon 12)	ND	100	8.0	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
1,1-Dichloroethane	ND	50	6.8	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
1,2-Dichloroethane	ND	50	15	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
1,1-Dichloroethylene	ND	50	7.0	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
cis-1,2-Dichloroethylene	4900	50	7.0	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
trans-1,2-Dichloroethylene	18	50	8.6	µg/L	50	J	SW-846 8260D	4/20/23	4/23/23 8:21	MFF
1,2-Dichloropropane	ND	50	9.7	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
cis-1,3-Dichloropropene	ND	25	8.2	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
trans-1,3-Dichloropropene	ND	25	7.1	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
1,4-Dioxane	ND	2500	900	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Ethylbenzene	ND	50	11	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
2-Hexanone (MBK)	ND	500	60	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Isopropylbenzene (Cumene)	ND	50	7.6	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Methyl Acetate	ND	50	30	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Methyl tert-Butyl Ether (MTBE)	ND	50	8.5	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Methyl Cyclohexane	ND	50	7.8	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Methylene Chloride	ND	250	8.8	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
4-Methyl-2-pentanone (MIBK)	ND	500	66	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Styrene	ND	50	7.5	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
1,1,2,2-Tetrachloroethane	ND	25	6.8	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Tetrachloroethylene	ND	50	8.4	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Toluene	ND	50	11	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
1,2,3-Trichlorobenzene	ND	250	17	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
1,2,4-Trichlorobenzene	ND	50	15	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D2162

Date Received: 4/19/2023

Field Sample #: Treatment Influent

Sampled: 4/18/2023 10:10

Sample ID: 23D2162-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	50	7.5	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
1,1,2-Trichloroethane	ND	50	9.6	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Trichloroethylene	2900	50	8.7	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Trichlorofluoromethane (Freon 11)	ND	100	7.7	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	50	10	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Vinyl Chloride	310	100	12	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF
Xylenes (total)	ND	50	50	µg/L	50		SW-846 8260D	4/20/23	4/23/23 8:21	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	113	70-130	
Toluene-d8	103	70-130	
4-Bromofluorobenzene	87.9	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D2162

Date Received: 4/19/2023

Field Sample #: Trip Blank

Sampled: 4/18/2023 00:00

Sample ID: 23D2162-03

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF

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Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D2162

Date Received: 4/19/2023

Field Sample #: Trip Blank

Sampled: 4/18/2023 00:00

Sample ID: 23D2162-03

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:01	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	115	70-130	
Toluene-d8	99.8	70-130	
4-Bromofluorobenzene	91.5	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
23D2162-01 [Treatment Effluent]	B339543	1000	05/08/23

Prep Method: EPA 200.7 Analytical Method: EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23D2162-01 [Treatment Effluent]	B337971	50.0	50.0	04/21/23

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23D2162-01 [Treatment Effluent]	B337745	5	5.00	04/20/23
23D2162-02 [Treatment Influent]	B337745	0.1	5.00	04/20/23
23D2162-03 [Trip Blank]	B337745	5	5.00	04/20/23

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

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

Batch B337745 - SW-846 5030B
Blank (B337745-BLK1)

Prepared: 04/20/23 Analyzed: 04/23/23

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
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 B337745 - SW-846 5030B										
Blank (B337745-BLK1)										
Prepared: 04/20/23 Analyzed: 04/23/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	27.8		µg/L	25.0		111	70-130			
Surrogate: Toluene-d8	26.2		µg/L	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	22.0		µg/L	25.0		87.8	70-130			
LCS (B337745-BS1)										
Prepared: 04/20/23 Analyzed: 04/23/23										
Acetone	100	50	µg/L	100		100	70-160			†
Benzene	10.7	1.0	µg/L	10.0		107	70-130			
Bromochloromethane	11.7	1.0	µg/L	10.0		117	70-130			
Bromodichloromethane	10.7	0.50	µg/L	10.0		107	70-130			
Bromoform	8.36	1.0	µg/L	10.0		83.6	70-130			
Bromomethane	9.98	2.0	µg/L	10.0		99.8	40-160			†
2-Butanone (MEK)	106	20	µg/L	100		106	40-160			†
Carbon Disulfide	89.1	5.0	µg/L	100		89.1	70-130			
Carbon Tetrachloride	9.89	5.0	µg/L	10.0		98.9	70-130			
Chlorobenzene	9.52	1.0	µg/L	10.0		95.2	70-130			
Chlorodibromomethane	9.78	0.50	µg/L	10.0		97.8	70-130			
Chloroethane	9.89	2.0	µg/L	10.0		98.9	70-130			
Chloroform	10.7	2.0	µg/L	10.0		107	70-130			
Chloromethane	9.42	2.0	µg/L	10.0		94.2	40-160			†
Cyclohexane	10.8	5.0	µg/L	10.0		108	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.27	5.0	µg/L	10.0		92.7	70-130			
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130			
1,2-Dichlorobenzene	9.79	1.0	µg/L	10.0		97.9	70-130			
1,3-Dichlorobenzene	9.76	1.0	µg/L	10.0		97.6	70-130			
1,4-Dichlorobenzene	9.39	1.0	µg/L	10.0		93.9	70-130			
Dichlorodifluoromethane (Freon 12)	12.3	2.0	µg/L	10.0		123	40-160			†
1,1-Dichloroethane	9.47	1.0	µg/L	10.0		94.7	70-130			
1,2-Dichloroethane	11.7	1.0	µg/L	10.0		117	70-130			
1,1-Dichloroethylene	9.75	1.0	µg/L	10.0		97.5	70-130			
cis-1,2-Dichloroethylene	9.64	1.0	µg/L	10.0		96.4	70-130			
trans-1,2-Dichloroethylene	9.50	1.0	µg/L	10.0		95.0	70-130			
1,2-Dichloropropane	11.2	1.0	µg/L	10.0		112	70-130			
cis-1,3-Dichloropropene	9.38	0.50	µg/L	10.0		93.8	70-130			
trans-1,3-Dichloropropene	9.50	0.50	µg/L	10.0		95.0	70-130			
1,4-Dioxane	106	50	µg/L	100		106	40-130			†
Ethylbenzene	9.92	1.0	µg/L	10.0		99.2	70-130			
2-Hexanone (MBK)	104	10	µg/L	100		104	70-160			†
Isopropylbenzene (Cumene)	9.35	1.0	µg/L	10.0		93.5	70-130			
Methyl Acetate	8.34	1.0	µg/L	10.0		83.4	70-130			
Methyl tert-Butyl Ether (MTBE)	10.2	1.0	µg/L	10.0		102	70-130			
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104	70-130			
Methylene Chloride	9.62	5.0	µg/L	10.0		96.2	70-130			
4-Methyl-2-pentanone (MIBK)	105	10	µg/L	100		105	70-160			†
Styrene	9.43	1.0	µg/L	10.0		94.3	70-130			
1,1,2,2-Tetrachloroethane	8.95	0.50	µg/L	10.0		89.5	70-130			
Tetrachloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
Toluene	10.4	1.0	µg/L	10.0		104	70-130			
1,2,3-Trichlorobenzene	8.10	5.0	µg/L	10.0		81.0	70-130			
1,2,4-Trichlorobenzene	8.58	1.0	µg/L	10.0		85.8	70-130			
1,1,1-Trichloroethane	10.7	1.0	µg/L	10.0		107	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 B337745 - SW-846 5030B										
LCS (B337745-BS1)										
Prepared: 04/20/23 Analyzed: 04/23/23										
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
Trichloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
Trichlorofluoromethane (Freon 11)	10.3	2.0	µg/L	10.0		103	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.58	1.0	µg/L	10.0		95.8	70-130			
Vinyl Chloride	11.3	2.0	µg/L	10.0		113	40-160			†
m+p Xylene	19.6	2.0	µg/L	20.0		98.2	70-130			
o-Xylene	9.63	1.0	µg/L	10.0		96.3	70-130			
Xylenes (total)	29.3	1.0	µg/L	30.0		97.5	0-200			
Surrogate: 1,2-Dichloroethane-d4	27.8		µg/L	25.0		111	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	24.1		µg/L	25.0		96.3	70-130			
LCS Dup (B337745-BSD1)										
Prepared: 04/20/23 Analyzed: 04/23/23										
Acetone	105	50	µg/L	100		105	70-160	5.03	25	†
Benzene	11.0	1.0	µg/L	10.0		110	70-130	3.32	25	
Bromochloromethane	11.7	1.0	µg/L	10.0		117	70-130	0.341	25	
Bromodichloromethane	11.2	0.50	µg/L	10.0		112	70-130	4.48	25	
Bromoform	8.57	1.0	µg/L	10.0		85.7	70-130	2.48	25	
Bromomethane	10.5	2.0	µg/L	10.0		105	40-160	4.89	25	†
2-Butanone (MEK)	109	20	µg/L	100		109	40-160	3.12	25	†
Carbon Disulfide	90.7	5.0	µg/L	100		90.7	70-130	1.71	25	
Carbon Tetrachloride	10.4	5.0	µg/L	10.0		104	70-130	5.03	25	
Chlorobenzene	9.69	1.0	µg/L	10.0		96.9	70-130	1.77	25	
Chlorodibromomethane	9.72	0.50	µg/L	10.0		97.2	70-130	0.615	25	
Chloroethane	9.65	2.0	µg/L	10.0		96.5	70-130	2.46	25	
Chloroform	10.7	2.0	µg/L	10.0		107	70-130	0.00	25	
Chloromethane	10.4	2.0	µg/L	10.0		104	40-160	9.50	25	†
Cyclohexane	10.3	5.0	µg/L	10.0		103	70-130	4.85	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.00	5.0	µg/L	10.0		90.0	70-130	2.96	25	
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130	3.68	25	
1,2-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	2.22	25	
1,3-Dichlorobenzene	9.57	1.0	µg/L	10.0		95.7	70-130	1.97	25	
1,4-Dichlorobenzene	9.23	1.0	µg/L	10.0		92.3	70-130	1.72	25	
Dichlorodifluoromethane (Freon 12)	12.0	2.0	µg/L	10.0		120	40-160	2.80	25	†
1,1-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130	7.62	25	
1,2-Dichloroethane	11.7	1.0	µg/L	10.0		117	70-130	0.342	25	
1,1-Dichloroethylene	9.96	1.0	µg/L	10.0		99.6	70-130	2.13	25	
cis-1,2-Dichloroethylene	9.93	1.0	µg/L	10.0		99.3	70-130	2.96	25	
trans-1,2-Dichloroethylene	9.70	1.0	µg/L	10.0		97.0	70-130	2.08	25	
1,2-Dichloropropane	11.1	1.0	µg/L	10.0		111	70-130	0.627	25	
cis-1,3-Dichloropropene	9.80	0.50	µg/L	10.0		98.0	70-130	4.38	25	
trans-1,3-Dichloropropene	9.65	0.50	µg/L	10.0		96.5	70-130	1.57	25	
1,4-Dioxane	93.6	50	µg/L	100		93.6	40-130	12.4	50	† ‡
Ethylbenzene	9.66	1.0	µg/L	10.0		96.6	70-130	2.66	25	
2-Hexanone (MBK)	104	10	µg/L	100		104	70-160	0.538	25	†
Isopropylbenzene (Cumene)	9.39	1.0	µg/L	10.0		93.9	70-130	0.427	25	
Methyl Acetate	8.86	1.0	µg/L	10.0		88.6	70-130	6.05	25	
Methyl tert-Butyl Ether (MTBE)	10.6	1.0	µg/L	10.0		106	70-130	3.66	25	
Methyl Cyclohexane	10.2	1.0	µg/L	10.0		102	70-130	1.94	25	
Methylene Chloride	10.3	5.0	µg/L	10.0		103	70-130	6.54	25	
4-Methyl-2-pentanone (MIBK)	105	10	µg/L	100		105	70-160	0.190	25	†
Styrene	9.46	1.0	µg/L	10.0		94.6	70-130	0.318	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 B337745 - SW-846 5030B										
LCS Dup (B337745-BSD1)										
Prepared: 04/20/23 Analyzed: 04/23/23										
1,1,2,2-Tetrachloroethane	9.36	0.50	µg/L	10.0		93.6	70-130	4.48	25	
Tetrachloroethylene	9.78	1.0	µg/L	10.0		97.8	70-130	3.12	25	
Toluene	10.3	1.0	µg/L	10.0		103	70-130	0.581	25	
1,2,3-Trichlorobenzene	8.52	5.0	µg/L	10.0		85.2	70-130	5.05	25	
1,2,4-Trichlorobenzene	8.39	1.0	µg/L	10.0		83.9	70-130	2.24	25	
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130	3.82	25	
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130	0.571	25	
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	6.52	25	
Trichlorofluoromethane (Freon 11)	10.7	2.0	µg/L	10.0		107	70-130	4.38	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.48	1.0	µg/L	10.0		94.8	70-130	1.05	25	
Vinyl Chloride	11.5	2.0	µg/L	10.0		115	40-160	1.84	25	†
m+p Xylene	19.3	2.0	µg/L	20.0		96.6	70-130	1.64	25	
o-Xylene	9.53	1.0	µg/L	10.0		95.3	70-130	1.04	25	
Xylenes (total)	28.8	1.0	µg/L	30.0		96.1	0-200	1.45		
Surrogate: 1,2-Dichloroethane-d4	28.2		µg/L	25.0		113	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	23.5		µg/L	25.0		94.0	70-130			

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

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

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

Batch B337971 - EPA 200.7
Blank (B337971-BLK1)

Prepared: 04/21/23 Analyzed: 04/22/23

Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	0.0054	0.010	mg/L							B, J

LCS (B337971-BS1)

Prepared: 04/21/23 Analyzed: 04/22/23

Aluminum	0.489	0.050	mg/L	0.500		97.8	85-115			
Iron	3.98	0.050	mg/L	4.00		99.4	85-115			
Zinc	1.01	0.010	mg/L	1.00		101	85-115			

LCS Dup (B337971-BSD1)

Prepared: 04/21/23 Analyzed: 04/22/23

Aluminum	0.466	0.050	mg/L	0.500		93.2	85-115	4.74	20	
Iron	3.86	0.050	mg/L	4.00		96.4	85-115	3.06	20	
Zinc	1.00	0.010	mg/L	1.00		100	85-115	0.222	20	

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

QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B339543 - EPA 1664B										
Blank (B339543-BLK1)				Prepared & Analyzed: 05/08/23						
Oil & Grease (HEM)	ND	1.4	mg/L							
Blank (B339543-BLK2)				Prepared & Analyzed: 05/08/23						
Oil & Grease (HEM)	ND	70	mg/L							
LCS (B339543-BS1)				Prepared & Analyzed: 05/08/23						
Oil & Grease (HEM)	17	1.4	mg/L	20.0		86.0	78-114			
LCS (B339543-BS2)				Prepared & Analyzed: 05/08/23						
Oil & Grease (HEM)	900	70	mg/L	1000		89.5	78-114			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**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.
B	Analyte is found in the associated laboratory blank as well as in the sample.
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.

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
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
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
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023



CHAIN OF CUSTODY

Client: New York State Dept. of
Environmental Conservation

2302162
4/18/2023

DEC Site #: 907016

FED-EX Tracking #

PAGE 1 OF 1

Bottle Order Control #

Lab Quote #

Lab Job #

CLIENT/REPORTING INFORMATION			PROJECT INFORMATION			BILLING INFORMATION			REQUESTED ANALYSIS (see Test Code sheet)			LAB USE ONLY									
Groundwater & Environmental Services, Inc. 415 Lawrence Bell Drive, Williamsville, NY 14221 Project Manager: Thomas Palmer TPalmer@gesonline.com GESInbox@GESOnline.com Phone #: 800-287-7857 fax: 866-902-2187			Project Name: NYSDEC/Frewsburg/NY/FalconerSt/300 Project Address: 300 Falconer Street, Frewsburg, NY Project PSID #:			DEC Lab Callout ID: 142802 DEC PM: Damianos Skaros Invoice Instructions (Project # / Phase / Task / Altorg) NYSDEC Site No. 907016 Lab Project Manager: Michel Buttrick															
Sampler(s) Name:			Sampler(s) Name:			number of preserved bottles															
Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	DI	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Amber	8260 - TCLVOCs OLMD4.2 list	1664A - calc - oil & grease	200.7 - Total Al, Fe, Zn		
1	Treatment Effluent		4/18	1000	MR	WG	5	2		1	2						X	X	X		
2	Treatment Influent		4/18	1010	MR	WG	2	2									X				
3	Trip Blank		4/18	-	MR	WG	2										X				

Turnaround Time (Business Days) Approved By (Lab PM) / Date

☒ Standard 14 Days

☐ 1 day RUSH

☐ Other

Laboratory Information

Lab: Pace Analytical Services

Address: 39 Spruce St, East Longmeadow, MA 01028

Phone: 518-608-1036

Lab PM: Michael Buttrick

Lab PM Email:

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
☐ Commercial 'B' (Level 2) = Results + QC Summary
☐ FULLT1 (Level 3 & 4)
☐ NJ Reduced = Results + QC Summary + Partial Raw Data
☐ Commercial 'C'
☐ NJ Data of Known Quality Protocol Reporting
☐ NYASP Category A
☒ NYASP Category B
☐ State Forms
☐ EDD Format
☒ Other: NYSDEC EDD FOR NYSDEC EQUIS

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/Bufalo/NY/MainSt/2929-2939_LabReport#.30987.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.		
Relinquished By Sampler:	Date / Time:	Received By:
1 <i>[Signature]</i>	4/18 1200	1 <i>[Signature]</i>
Relinquished By:	Date / Time:	Received By:
2	4/19/23	2 <i>[Signature]</i>
Relinquished By:	Date / Time:	Received By:
3		3
Custody Seal Number: ☐ Intact ☐ Preserved where applicable		

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4/19/2023 at 10:12 am

Signed for by: A.AROYO

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How was your delivery?

**DELIVERY STATUS**

Delivered

TRACKING ID

791347249647

FROM

EDEN, NY US

Label Created

3/30/2023 2:51 PM

PACKAGE RECEIVED BY FEDEX

JAMESTOWN, NY

4/18/2023 12:15 PM

IN TRANSIT

WINDSOR LOCKS, CT

4/19/2023 8:17 AM

OUT FOR DELIVERY

WINDSOR LOCKS, CT

4/19/2023 8:33 AM

DELIVERED

East Longmeadow, MA US

Delivered

4/19/2023 at 10:12 AM

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SUBMIT

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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



Client GES
Project NYS DEC / Frewsburg / NY / Fulkner St / 1300
MCP/RCP Required N/A
Deliverable Package Req. N/A
Location 300 Fulkner Street, Frewsburg, NY
PWSID# (When Applicable) N/A

Arrival Method:

Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐

Received By / Date / Time LA 4/19/23 1012

Back-Sheet By / Date / Time LA 4/19/23 1326

Temperature Method Gun # 5

Temp ☒ < 6° C Actual Temperature 3.4

Rush Samples: Yes / ☒ No Notify

Short Hold: Yes / ☒ No Notify

Notes regarding Samples/COC outside of SOP:

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☒	☒
Lab to Filters	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☐
Project ☒ IDs ☒ Collection Date/Time ☒

All Samples Proper pH: N/A ☐ ☐

Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	Na2S2O3	Other Preservative
1L <u>Amber</u> Plastic				<u>2</u>				
500 mL <u>Amber</u> Plastic								
250 mL <u>Amber</u> <u>Plastic</u>			<u>1</u>					
Other <u>Amber</u> Clear Plastic								
16oz <u>Amber</u> Clear								
8oz <u>Amber</u> Clear								
4oz <u>Amber</u> Clear								
2oz <u>Amber</u> Clear								
Col/Bacteria								
Flashpoint								
Plastic Bag								
SOC Kit								
Perchlorate								
Encore								
Frozen								
Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials	<u>N/A</u>	<u>4</u>						

June 5, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23E2324

Enclosed are results of analyses for samples as received by the laboratory on May 17, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 6/5/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23E2324

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

PROJECT LOCATION: 300 Falconer Street, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	23E2324-01	Ground Water		EPA 1664B EPA 200.7 SW-846 8260D	
Treatment Influent	23E2324-02	Ground Water		SW-846 8260D	
Trip Blank	23E2324-03	Trip Blank Water		SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

SW-846 8260D**Qualifications:**

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23E2324-02[Treatment 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:**Bromoform**

23E2324-01[Treatment Effluent], 23E2324-02[Treatment Influent], 23E2324-03[Trip Blank], B341325-BLK1, B341325-BS1, B341325-BSD1, S088259-CCV1

Methyl Acetate

23E2324-01[Treatment Effluent], 23E2324-02[Treatment Influent], 23E2324-03[Trip Blank], B341325-BLK1, B341325-BS1, B341325-BSD1, S088259-CCV1

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

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



Lisa A. Worthington
Technical Representative

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23E2324

Date Received: 5/17/2023

Field Sample #: Treatment Effluent

Sampled: 5/16/2023 10:30

Sample ID: 23E2324-01

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	8.3	50	2.0	µg/L	1	J	SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
2-Butanone (MEK)	1.7	20	1.7	µg/L	1	J	SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
cis-1,2-Dichloroethylene	2.7	1.0	0.14	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23E2324

Date Received: 5/17/2023

Field Sample #: Treatment Effluent

Sampled: 5/16/2023 10:30

Sample ID: 23E2324-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Trichloroethylene	1.3	1.0	0.17	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/25/23	5/27/23 2:33	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	96.5	70-130	
Toluene-d8	98.6	70-130	
4-Bromofluorobenzene	90.4	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23E2324

Date Received: 5/17/2023

Field Sample #: Treatment Effluent

Sampled: 5/16/2023 10:30

Sample ID: 23E2324-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.045	mg/L	1		EPA 200.7	5/23/23	5/24/23 18:24	MJH
Iron	2.9	0.050	0.047	mg/L	1		EPA 200.7	5/23/23	5/24/23 18:24	MJH
Zinc	0.010	0.010	0.0042	mg/L	1		EPA 200.7	5/23/23	5/24/23 18:24	MJH

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23E2324

Date Received: 5/17/2023

Field Sample #: Treatment Effluent

Sampled: 5/16/2023 10:30

Sample ID: 23E2324-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Oil & Grease (HEM)	ND	1.4	0.60	mg/L	1		EPA 1664B	6/5/23	6/5/23 13:43	LL

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23E2324

Date Received: 5/17/2023

Field Sample #: Treatment Influent

Sampled: 5/16/2023 10:40

Sample ID: 23E2324-02

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	110	2500	100	µg/L	50	J	SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Benzene	ND	50	9.2	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Bromochloromethane	ND	50	14	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Bromodichloromethane	ND	25	7.9	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Bromoform	ND	50	20	µg/L	50	V-05	SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Bromomethane	ND	100	66	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
2-Butanone (MEK)	140	1000	84	µg/L	50	J	SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Carbon Disulfide	ND	250	78	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Carbon Tetrachloride	ND	250	8.2	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Chlorobenzene	ND	50	5.9	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Chlorodibromomethane	ND	25	10	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Chloroethane	ND	100	17	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Chloroform	ND	100	7.0	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Chloromethane	ND	100	25	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Cyclohexane	ND	250	88	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	43	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
1,2-Dibromoethane (EDB)	ND	25	8.0	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
1,2-Dichlorobenzene	ND	50	6.5	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
1,3-Dichlorobenzene	ND	50	6.8	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
1,4-Dichlorobenzene	ND	50	6.4	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	100	8.0	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
1,1-Dichloroethane	ND	50	6.8	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
1,2-Dichloroethane	ND	50	15	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
1,1-Dichloroethylene	8.0	50	7.0	µg/L	50	J	SW-846 8260D	5/25/23	5/27/23 8:20	MFF
cis-1,2-Dichloroethylene	1900	50	7.0	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
trans-1,2-Dichloroethylene	ND	50	8.6	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
1,2-Dichloropropane	ND	50	9.7	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
cis-1,3-Dichloropropene	ND	25	8.2	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
trans-1,3-Dichloropropene	ND	25	7.1	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
1,4-Dioxane	ND	2500	900	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Ethylbenzene	ND	50	11	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
2-Hexanone (MBK)	ND	500	60	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Isopropylbenzene (Cumene)	ND	50	7.6	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Methyl Acetate	ND	50	30	µg/L	50	V-05	SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Methyl tert-Butyl Ether (MTBE)	ND	50	8.5	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Methyl Cyclohexane	ND	50	7.8	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Methylene Chloride	ND	250	8.8	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	500	66	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Styrene	ND	50	7.5	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
1,1,2,2-Tetrachloroethane	ND	25	6.8	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Tetrachloroethylene	ND	50	8.4	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Toluene	ND	50	11	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
1,2,3-Trichlorobenzene	ND	250	17	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
1,2,4-Trichlorobenzene	ND	50	15	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23E2324

Date Received: 5/17/2023

Field Sample #: Treatment Influent

Sampled: 5/16/2023 10:40

Sample ID: 23E2324-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	50	7.5	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
1,1,2-Trichloroethane	ND	50	9.6	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Trichloroethylene	2900	50	8.7	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Trichlorofluoromethane (Freon 11)	ND	100	7.7	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	50	10	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Vinyl Chloride	120	100	12	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF
Xylenes (total)	ND	50	50	µg/L	50		SW-846 8260D	5/25/23	5/27/23 8:20	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.5	70-130	
Toluene-d8	96.6	70-130	
4-Bromofluorobenzene	91.2	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23E2324

Date Received: 5/17/2023

Field Sample #: Trip Blank

Sampled: 5/16/2023 00:00

Sample ID: 23E2324-03

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23E2324

Date Received: 5/17/2023

Field Sample #: Trip Blank

Sampled: 5/16/2023 00:00

Sample ID: 23E2324-03

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/25/23	5/27/23 1:40	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	96.5	70-130	
Toluene-d8	99.2	70-130	
4-Bromofluorobenzene	90.1	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date	
23E2324-01 [Treatment Effluent]	B342201	1000	06/05/23	

Prep Method:EPA 200.7 **Analytical Method:**EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23E2324-01 [Treatment Effluent]	B341135	25.0	25.0	05/23/23

Prep Method:SW-846 5030B **Analytical Method:**SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23E2324-01 [Treatment Effluent]	B341325	5	5.00	05/25/23
23E2324-02 [Treatment Influent]	B341325	0.1	5.00	05/25/23
23E2324-03 [Trip Blank]	B341325	5	5.00	05/25/23

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

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

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

Batch B341325 - SW-846 5030B
Blank (B341325-BLK1)

Prepared: 05/25/23 Analyzed: 05/27/23

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							V-05
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							V-05
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B341325 - SW-846 5030B										
Blank (B341325-BLK1)										
Prepared: 05/25/23 Analyzed: 05/27/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	24.5		µg/L	25.0		97.8	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.0		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	22.7		µg/L	25.0		90.9	70-130			
LCS (B341325-BS1)										
Prepared: 05/25/23 Analyzed: 05/26/23										
Acetone	91.2	50	µg/L	100		91.2	70-160			†
Benzene	11.1	1.0	µg/L	10.0		111	70-130			
Bromochloromethane	11.5	1.0	µg/L	10.0		115	70-130			
Bromodichloromethane	9.81	0.50	µg/L	10.0		98.1	70-130			
Bromoform	7.68	1.0	µg/L	10.0		76.8	70-130		V-05	
Bromomethane	12.2	2.0	µg/L	10.0		122	40-160			†
2-Butanone (MEK)	101	20	µg/L	100		101	40-160			†
Carbon Disulfide	96.8	5.0	µg/L	100		96.8	70-130			
Carbon Tetrachloride	9.65	5.0	µg/L	10.0		96.5	70-130			
Chlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
Chlorodibromomethane	9.05	0.50	µg/L	10.0		90.5	70-130			
Chloroethane	10.1	2.0	µg/L	10.0		101	70-130			
Chloroform	10.2	2.0	µg/L	10.0		102	70-130			
Chloromethane	10.2	2.0	µg/L	10.0		102	40-160			†
Cyclohexane	10.3	5.0	µg/L	10.0		103	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.43	5.0	µg/L	10.0		84.3	70-130			
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.0		100	70-130			
1,2-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130			
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
1,4-Dichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
Dichlorodifluoromethane (Freon 12)	9.96	2.0	µg/L	10.0		99.6	40-160			†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
1,2-Dichloroethane	9.80	1.0	µg/L	10.0		98.0	70-130			
1,1-Dichloroethylene	9.75	1.0	µg/L	10.0		97.5	70-130			
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
trans-1,2-Dichloroethylene	9.66	1.0	µg/L	10.0		96.6	70-130			
1,2-Dichloropropane	10.9	1.0	µg/L	10.0		109	70-130			
cis-1,3-Dichloropropene	9.50	0.50	µg/L	10.0		95.0	70-130			
trans-1,3-Dichloropropene	9.07	0.50	µg/L	10.0		90.7	70-130			
1,4-Dioxane	82.2	50	µg/L	100		82.2	40-130			†
Ethylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
2-Hexanone (MBK)	90.9	10	µg/L	100		90.9	70-160			†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130			
Methyl Acetate	8.08	1.0	µg/L	10.0		80.8	70-130		V-05	
Methyl tert-Butyl Ether (MTBE)	9.17	1.0	µg/L	10.0		91.7	70-130			
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130			
Methylene Chloride	10.0	5.0	µg/L	10.0		100	70-130			
4-Methyl-2-pentanone (MIBK)	89.2	10	µg/L	100		89.2	70-160			†
Styrene	10.4	1.0	µg/L	10.0		104	70-130			
1,1,2,2-Tetrachloroethane	9.21	0.50	µg/L	10.0		92.1	70-130			
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Toluene	10.7	1.0	µg/L	10.0		107	70-130			
1,2,3-Trichlorobenzene	10.4	5.0	µg/L	10.0		104	70-130			
1,2,4-Trichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
1,1,1-Trichloroethane	9.72	1.0	µg/L	10.0		97.2	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 B341325 - SW-846 5030B										
LCS (B341325-BS1)										
Prepared: 05/25/23 Analyzed: 05/26/23										
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130			
Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
Trichlorofluoromethane (Freon 11)	9.76	2.0	µg/L	10.0		97.6	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1	1.0	µg/L	10.0		101	70-130			
Vinyl Chloride	11.0	2.0	µg/L	10.0		110	40-160			†
m+p Xylene	20.8	2.0	µg/L	20.0		104	70-130			
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130			
Xylenes (total)	31.0	1.0	µg/L	30.0		103	0-200			
Surrogate: 1,2-Dichloroethane-d4	25.2		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	23.9		µg/L	25.0		95.6	70-130			
LCS Dup (B341325-BSD1)										
Prepared: 05/25/23 Analyzed: 05/26/23										
Acetone	94.0	50	µg/L	100		94.0	70-160	3.06	25	†
Benzene	10.9	1.0	µg/L	10.0		109	70-130	1.73	25	
Bromochloromethane	11.1	1.0	µg/L	10.0		111	70-130	3.27	25	
Bromodichloromethane	9.91	0.50	µg/L	10.0		99.1	70-130	1.01	25	
Bromoform	7.81	1.0	µg/L	10.0		78.1	70-130	1.68	25	V-05
Bromomethane	12.0	2.0	µg/L	10.0		120	40-160	0.993	25	†
2-Butanone (MEK)	109	20	µg/L	100		109	40-160	6.97	25	†
Carbon Disulfide	96.0	5.0	µg/L	100		96.0	70-130	0.819	25	
Carbon Tetrachloride	9.54	5.0	µg/L	10.0		95.4	70-130	1.15	25	
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	1.41	25	
Chlorodibromomethane	9.38	0.50	µg/L	10.0		93.8	70-130	3.58	25	
Chloroethane	10.3	2.0	µg/L	10.0		103	70-130	2.16	25	
Chloroform	10.1	2.0	µg/L	10.0		101	70-130	0.492	25	
Chloromethane	10.7	2.0	µg/L	10.0		107	40-160	4.31	25	†
Cyclohexane	10.1	5.0	µg/L	10.0		101	70-130	1.37	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.44	5.0	µg/L	10.0		84.4	70-130	0.119	25	
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130	2.08	25	
1,2-Dichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130	1.93	25	
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	0.661	25	
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	4.09	25	
Dichlorodifluoromethane (Freon 12)	9.70	2.0	µg/L	10.0		97.0	40-160	2.64	25	†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130	0.381	25	
1,2-Dichloroethane	9.93	1.0	µg/L	10.0		99.3	70-130	1.32	25	
1,1-Dichloroethylene	9.74	1.0	µg/L	10.0		97.4	70-130	0.103	25	
cis-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	1.78	25	
trans-1,2-Dichloroethylene	9.59	1.0	µg/L	10.0		95.9	70-130	0.727	25	
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130	2.05	25	
cis-1,3-Dichloropropene	9.71	0.50	µg/L	10.0		97.1	70-130	2.19	25	
trans-1,3-Dichloropropene	9.21	0.50	µg/L	10.0		92.1	70-130	1.53	25	
1,4-Dioxane	92.0	50	µg/L	100		92.0	40-130	11.3	50	† ‡
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130	0.758	25	
2-Hexanone (MBK)	94.3	10	µg/L	100		94.3	70-160	3.70	25	†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130	0.295	25	
Methyl Acetate	7.83	1.0	µg/L	10.0		78.3	70-130	3.14	25	V-05
Methyl tert-Butyl Ether (MTBE)	9.33	1.0	µg/L	10.0		93.3	70-130	1.73	25	
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104	70-130	1.62	25	
Methylene Chloride	9.91	5.0	µg/L	10.0		99.1	70-130	0.904	25	
4-Methyl-2-pentanone (MIBK)	94.7	10	µg/L	100		94.7	70-160	6.02	25	†
Styrene	10.6	1.0	µg/L	10.0		106	70-130	1.71	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 B341325 - SW-846 5030B										
LCS Dup (B341325-BSD1)					Prepared: 05/25/23 Analyzed: 05/26/23					
1,1,2,2-Tetrachloroethane	9.59	0.50	µg/L	10.0		95.9	70-130	4.04	25	
Tetrachloroethylene	10.2	1.0	µg/L	10.0		102	70-130	1.07	25	
Toluene	10.7	1.0	µg/L	10.0		107	70-130	0.187	25	
1,2,3-Trichlorobenzene	10.7	5.0	µg/L	10.0		107	70-130	2.66	25	
1,2,4-Trichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	2.93	25	
1,1,1-Trichloroethane	9.76	1.0	µg/L	10.0		97.6	70-130	0.411	25	
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130	0.577	25	
Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	0.482	25	
Trichlorofluoromethane (Freon 11)	9.52	2.0	µg/L	10.0		95.2	70-130	2.49	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.73	1.0	µg/L	10.0		97.3	70-130	3.34	25	
Vinyl Chloride	11.1	2.0	µg/L	10.0		111	40-160	0.724	25	†
m+p Xylene	20.8	2.0	µg/L	20.0		104	70-130	0.0480	25	
o-Xylene	10.4	1.0	µg/L	10.0		104	70-130	1.95	25	
Xylenes (total)	31.2	1.0	µg/L	30.0		104	0-200	0.675		
Surrogate: 1,2-Dichloroethane-d4	24.2		µg/L	25.0		97.0	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	24.4		µg/L	25.0		97.4	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch B341135 - EPA 200.7									
Blank (B341135-BLK1)					Prepared: 05/23/23 Analyzed: 05/24/23				
Aluminum	ND	0.050	mg/L						
Iron	ND	0.050	mg/L						
Zinc	ND	0.010	mg/L						
LCS (B341135-BS1)					Prepared: 05/23/23 Analyzed: 05/24/23				
Aluminum	0.523	0.050	mg/L	0.500		105	85-115		
Iron	4.28	0.050	mg/L	4.00		107	85-115		
Zinc	1.08	0.010	mg/L	1.00		108	85-115		
LCS Dup (B341135-BSD1)					Prepared: 05/23/23 Analyzed: 05/24/23				
Aluminum	0.541	0.050	mg/L	0.500		108	85-115	3.33	20
Iron	4.38	0.050	mg/L	4.00		110	85-115	2.50	20
Zinc	1.09	0.010	mg/L	1.00		109	85-115	1.57	20
Duplicate (B341135-DUP1)					Prepared: 05/23/23 Analyzed: 05/24/23				
Source: 23E2324-01									
Aluminum	ND	0.050	mg/L		ND			NC	20
Iron	2.93	0.050	mg/L		2.91			0.661	20
Zinc	0.0110	0.010	mg/L		0.0102			7.17	20
Matrix Spike (B341135-MS1)					Prepared: 05/23/23 Analyzed: 05/24/23				
Source: 23E2324-01									
Aluminum	0.535	0.050	mg/L	0.500	ND	107	70-130		
Iron	7.05	0.050	mg/L	4.00	2.91	103	70-130		
Zinc	1.04	0.010	mg/L	1.00	0.0102	103	70-130		

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B342201 - EPA 1664B										
Blank (B342201-BLK1)				Prepared & Analyzed: 06/05/23						
Oil & Grease (HEM)	ND	1.4	mg/L							
Blank (B342201-BLK2)				Prepared & Analyzed: 06/05/23						
Oil & Grease (HEM)	ND	70	mg/L							
LCS (B342201-BS1)				Prepared & Analyzed: 06/05/23						
Oil & Grease (HEM)	22	1.4	mg/L	20.0		108	78-114			
LCS (B342201-BS2)				Prepared & Analyzed: 06/05/23						
Oil & Grease (HEM)	900	70	mg/L	1000		90.0	78-114			

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

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

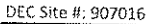
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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
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
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
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023



5	16	23

K.A.M.
23E2324

Bottle Order Control #

Turnaround Time (Business Days) Approved By (Lab PM) / Date

☐ Other _____

☒ Other NYSDEC EDD FOR NYSDEC EQUISPage 23 of 26

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39 Spruce St.
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F: 413-525-6405
www.pacelabs.com

ENV-FRM-ELON-0001 V05__ Sample Receiving Checklist

Log In Back-Sheet

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



Client GES
Project NYSDEC/Frewsburg/ NY/Falconer St/300
MCP/RCP Required N/A
Deliverable Package Requirement CAT B
Location 300 Falconer Street, Frewsburg, NY
PWSID# (When Applicable) N/A
Arrival Method:
Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐
Received By / Date / Time AAM/ 5-17-23/ 0940
Back-Sheet By / Date / Time AAM/ 5-17-23/ 1135
Temperature Method Temp. Gun # 5
Temp ☒ < 6° C Actual Temperature 3.2° C
Rush Samples: Yes / No Notify
Short Hold: Yes / No Notify

Notes regarding Samples/COC outside of SOP:

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☒	☐
Lab to Filters	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒
Project ☒ IDs ☒ Collection Date/Time ☒

All Samples Proper pH: N/A ☒ ☐

Additional Container Notes

Sample	Soils Jars				Ambers						Plastics						VOA Vials					Other / Fill in						
	(Circle Amb/Clear)				1 Liter		250mL		100mL	1 Liter		500mL	250mL				VOA Vials					Other / Fill in						
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Nitric	NaOH	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	BiSulfate	Col/Bact				
1							2	2	mm											2								
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July 5, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23F1822

Enclosed are results of analyses for samples as received by the laboratory on June 14, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 7/5/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23F1822

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

PROJECT LOCATION: 300 Falconer Street, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	23F1822-01	Water		EPA 1664B EPA 200.7 SW-846 8260D	
Treatment Influent	23F1822-02	Water		SW-846 8260D	
Trip Blank	23F1822-03	Water		SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

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

EPA 1664B**Qualifications:****MS-07**

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:**Silica Gel Treated HEM (SGT-HEM)**

B344887-MS1

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:**Trichlorofluoromethane (Freon 11)**

B343454-BSD1

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:**Chloromethane**

23F1822-01[Treatment Effluent], 23F1822-02[Treatment Influent], 23F1822-03[Trip Blank], B343454-BLK1, B343454-BS1, B343454-BSD1, S089353-CCV1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23F1822-02[Treatment 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**

23F1822-01[Treatment Effluent], 23F1822-02[Treatment Influent], 23F1822-03[Trip Blank], B343454-BLK1, B343454-BS1, B343454-BSD1, S089353-CCV1

tert-Butyl Alcohol (TBA)

B343454-BLK1, B343454-BS1, B343454-BSD1, S089353-CCV1

Trichlorofluoromethane (Freon 11)

23F1822-01[Treatment Effluent], 23F1822-02[Treatment Influent], 23F1822-03[Trip Blank], B343454-BLK1, B343454-BS1, B343454-BSD1, S089353-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:**Bromochloromethane**

B343454-BS1, B343454-BSD1, S089353-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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

23F1822-01[Treatment Effluent], 23F1822-02[Treatment Influent], 23F1822-03[Trip Blank], B343454-BLK1, B343454-BS1, B343454-BSD1, S089353-CCV1

Dichlorodifluoromethane (Freon 12)

23F1822-01[Treatment Effluent], 23F1822-02[Treatment Influent], 23F1822-03[Trip Blank], B343454-BLK1, B343454-BS1, B343454-BSD1, S089353-CCV1

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

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



Lisa A. Worthington
Technical Representative

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23F1822

Date Received: 6/14/2023

Field Sample #: Treatment Effluent

Sampled: 6/13/2023 10:00

Sample ID: 23F1822-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	5.2	50	2.0	µg/L	1	V-05, J	SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Chloromethane	ND	2.0	0.50	µg/L	1	R-05, V-34	SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1	V-34	SW-846 8260D	6/16/23	6/19/23 16:09	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
cis-1,2-Dichloroethylene	2.3	1.0	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23F1822

Date Received: 6/14/2023

Field Sample #: Treatment Effluent

Sampled: 6/13/2023 10:00

Sample ID: 23F1822-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Trichloroethylene	1.5	1.0	0.17	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1	V-05	SW-846 8260D	6/16/23	6/19/23 16:09	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:09	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	102	70-130	
Toluene-d8	102	70-130	
4-Bromofluorobenzene	95.1	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23F1822

Date Received: 6/14/2023

Field Sample #: Treatment Effluent

Sampled: 6/13/2023 10:00

Sample ID: 23F1822-01

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.045	mg/L	1		EPA 200.7	6/20/23	6/21/23 17:28	ATP
Iron	1.9	0.050	0.047	mg/L	1		EPA 200.7	6/20/23	6/21/23 17:28	ATP
Zinc	0.0078	0.010	0.0047	mg/L	1	J	EPA 200.7	6/20/23	6/21/23 19:32	ATP

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23F1822

Date Received: 6/14/2023

Field Sample #: Treatment Effluent

Sampled: 6/13/2023 10:00

Sample ID: 23F1822-01

Sample Matrix: Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Silica Gel Treated HEM (SGT-HEM)	0.50	1.4	0.42	mg/L	1	J	EPA 1664B	7/3/23	7/3/23 11:45	LL

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23F1822

Date Received: 6/14/2023

Field Sample #: Treatment Influent

Sampled: 6/13/2023 10:10

Sample ID: 23F1822-02

Sample Matrix: 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	V-05	SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Benzene	ND	50	9.2	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Bromochloromethane	ND	50	14	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Bromodichloromethane	ND	25	7.9	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Bromoform	ND	50	20	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Bromomethane	ND	100	66	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
2-Butanone (MEK)	ND	1000	84	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Carbon Disulfide	ND	250	78	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Carbon Tetrachloride	ND	250	8.2	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Chlorobenzene	ND	50	5.9	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Chlorodibromomethane	ND	25	10	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Chloroethane	ND	100	17	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Chloroform	ND	100	7.0	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Chloromethane	ND	100	25	µg/L	50	R-05, V-34	SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Cyclohexane	ND	250	88	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	43	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
1,2-Dibromoethane (EDB)	ND	25	8.0	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
1,2-Dichlorobenzene	ND	50	6.5	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
1,3-Dichlorobenzene	ND	50	6.8	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
1,4-Dichlorobenzene	ND	50	6.4	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Dichlorodifluoromethane (Freon 12)	ND	100	8.0	µg/L	50	V-34	SW-846 8260D	6/16/23	6/19/23 20:17	EEH
1,1-Dichloroethane	ND	50	6.8	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
1,2-Dichloroethane	ND	50	15	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
1,1-Dichloroethylene	ND	50	7.0	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
cis-1,2-Dichloroethylene	2700	50	7.0	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
trans-1,2-Dichloroethylene	14	50	8.6	µg/L	50	J	SW-846 8260D	6/16/23	6/19/23 20:17	EEH
1,2-Dichloropropane	ND	50	9.7	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
cis-1,3-Dichloropropene	ND	25	8.2	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
trans-1,3-Dichloropropene	ND	25	7.1	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
1,4-Dioxane	ND	2500	900	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Ethylbenzene	ND	50	11	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
2-Hexanone (MBK)	ND	500	60	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Isopropylbenzene (Cumene)	ND	50	7.6	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Methyl Acetate	ND	50	30	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Methyl tert-Butyl Ether (MTBE)	ND	50	8.5	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Methyl Cyclohexane	ND	50	7.8	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Methylene Chloride	ND	250	8.8	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
4-Methyl-2-pentanone (MIBK)	ND	500	66	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Styrene	ND	50	7.5	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
1,1,2,2-Tetrachloroethane	ND	25	6.8	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Tetrachloroethylene	ND	50	8.4	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Toluene	ND	50	11	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
1,2,3-Trichlorobenzene	ND	250	17	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
1,2,4-Trichlorobenzene	ND	50	15	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23F1822

Date Received: 6/14/2023

Field Sample #: Treatment Influent

Sampled: 6/13/2023 10:10

Sample ID: 23F1822-02

Sample Matrix: 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	7.5	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
1,1,2-Trichloroethane	ND	50	9.6	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Trichloroethylene	3500	50	8.7	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Trichlorofluoromethane (Freon 11)	ND	100	7.7	µg/L	50	V-05	SW-846 8260D	6/16/23	6/19/23 20:17	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	50	10	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Vinyl Chloride	120	100	12	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH
Xylenes (total)	ND	50	50	µg/L	50		SW-846 8260D	6/16/23	6/19/23 20:17	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	101	70-130	
Toluene-d8	97.8	70-130	
4-Bromofluorobenzene	97.0	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23F1822

Date Received: 6/14/2023

Field Sample #: Trip Blank

Sampled: 6/13/2023 00:00

Sample ID: 23F1822-03

Sample Matrix: 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	V-05	SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Chloromethane	ND	2.0	0.50	µg/L	1	R-05, V-34	SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1	V-34	SW-846 8260D	6/16/23	6/19/23 11:35	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23F1822

Date Received: 6/14/2023

Field Sample #: Trip Blank

Sampled: 6/13/2023 00:00

Sample ID: 23F1822-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1	V-05	SW-846 8260D	6/16/23	6/19/23 11:35	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/16/23	6/19/23 11:35	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	95.0	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
23F1822-01 [Treatment Effluent]	B344887	1000	07/03/23

Prep Method:EPA 200.7 **Analytical Method:**EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23F1822-01 [Treatment Effluent]	B343787	50.0	50.0	06/20/23

Prep Method:SW-846 5030B **Analytical Method:**SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23F1822-01 [Treatment Effluent]	B343454	5	5.00	06/16/23
23F1822-02 [Treatment Influent]	B343454	0.1	5.00	06/16/23
23F1822-03 [Trip Blank]	B343454	5	5.00	06/16/23

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B343454 - SW-846 5030B										
Blank (B343454-BLK1)				Prepared: 06/16/23 Analyzed: 06/19/23						
Acetone	ND	50	µg/L							V-05
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-05
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							R-05, V-34
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							V-34
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							V-05
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,3-Trimethylbenzene	ND	0.50	µg/L							

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B343454 - SW-846 5030B										
Blank (B343454-BLK1)										
Prepared: 06/16/23 Analyzed: 06/19/23										
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	26.2		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	24.0		µg/L	25.0		95.8	70-130			
LCS (B343454-BS1)										
Prepared: 06/16/23 Analyzed: 06/19/23										
Acetone	73.9	50	µg/L	100		73.9	70-160			V-05 †
Benzene	10.8	1.0	µg/L	10.0		108	70-130			
Bromochloromethane	12.7	1.0	µg/L	10.0		127	70-130			V-20
Bromodichloromethane	10.8	0.50	µg/L	10.0		108	70-130			
Bromoform	9.10	1.0	µg/L	10.0		91.0	70-130			
Bromomethane	8.64	2.0	µg/L	10.0		86.4	40-160			†
2-Butanone (MEK)	104	20	µg/L	100		104	40-160			†
tert-Butyl Alcohol (TBA)	65.7	20	µg/L	100		65.7	40-160			V-05 †
Carbon Disulfide	92.1	5.0	µg/L	100		92.1	70-130			
Carbon Tetrachloride	10.4	5.0	µg/L	10.0		104	70-130			
Chlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108	70-130			
Chloroethane	9.39	2.0	µg/L	10.0		93.9	70-130			
Chloroform	11.0	2.0	µg/L	10.0		110	70-130			
Chloromethane	10.6	2.0	µg/L	10.0		106	40-160			R-05, V-34 †
Cyclohexane	11.7	5.0	µg/L	10.0		117	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.33	5.0	µg/L	10.0		93.3	70-130			
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130			
1,2-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130			
1,3-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130			
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
Dichlorodifluoromethane (Freon 12)	8.46	2.0	µg/L	10.0		84.6	40-160			V-34 †
1,1-Dichloroethane	12.1	1.0	µg/L	10.0		121	70-130			
1,2-Dichloroethane	9.96	1.0	µg/L	10.0		99.6	70-130			
1,1-Dichloroethylene	7.77	1.0	µg/L	10.0		77.7	70-130			
cis-1,2-Dichloroethylene	11.8	1.0	µg/L	10.0		118	70-130			
trans-1,2-Dichloroethylene	11.7	1.0	µg/L	10.0		117	70-130			
1,2-Dichloropropane	11.6	1.0	µg/L	10.0		116	70-130			
cis-1,3-Dichloropropene	11.7	0.50	µg/L	10.0		117	70-130			
trans-1,3-Dichloropropene	11.6	0.50	µg/L	10.0		116	70-130			
1,4-Dioxane	82.4	50	µg/L	100		82.4	40-130			†
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
2-Hexanone (MBK)	118	10	µg/L	100		118	70-160			†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130			
Methyl Acetate	8.93	1.0	µg/L	10.0		89.3	70-130			
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	9.48	5.0	µg/L	10.0		94.8	70-130			
4-Methyl-2-pentanone (MIBK)	118	10	µg/L	100		118	70-160			†
Styrene	10.6	1.0	µg/L	10.0		106	70-130			
1,1,2,2-Tetrachloroethane	9.89	0.50	µg/L	10.0		98.9	70-130			

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

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

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

Batch B343454 - SW-846 5030B
LCS (B343454-BS1)

Prepared: 06/16/23 Analyzed: 06/19/23

Tetrachloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
Toluene	10.6	1.0	µg/L	10.0		106	70-130			
1,2,3-Trichlorobenzene	10.0	5.0	µg/L	10.0		100	70-130			
1,2,4-Trichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,1,1-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130			
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
Trichlorofluoromethane (Freon 11)	7.10	2.0	µg/L	10.0		71.0	70-130			V-05
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.33	1.0	µg/L	10.0		83.3	70-130			
1,2,3-Trimethylbenzene	10.4	0.50	µg/L	10.0		104	70-130			
1,2,4-Trimethylbenzene	11.1	1.0	µg/L	10.0		111	70-130			
1,3,5-Trimethylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
Vinyl Chloride	11.6	2.0	µg/L	10.0		116	40-160			†
m+p Xylene	20.6	2.0	µg/L	20.0		103	70-130			
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130			
Xylenes (total)	31.1	1.0	µg/L	30.0		104	0-200			

Surrogate: 1,2-Dichloroethane-d4	26.2		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	24.6		µg/L	25.0		98.4	70-130			

LCS Dup (B343454-BS1)

Prepared: 06/16/23 Analyzed: 06/19/23

Acetone	79.0	50	µg/L	100		79.0	70-160	6.63	25	V-05	†
Benzene	10.9	1.0	µg/L	10.0		109	70-130	0.368	25		
Bromochloromethane	12.6	1.0	µg/L	10.0		126	70-130	0.552	25	V-20	
Bromodichloromethane	10.2	0.50	µg/L	10.0		102	70-130	5.63	25		
Bromoform	9.16	1.0	µg/L	10.0		91.6	70-130	0.657	25		
Bromomethane	8.41	2.0	µg/L	10.0		84.1	40-160	2.70	25		†
2-Butanone (MEK)	110	20	µg/L	100		110	40-160	5.83	25		†
tert-Butyl Alcohol (TBA)	73.3	20	µg/L	100		73.3	40-160	11.0	25	V-05	†
Carbon Disulfide	80.6	5.0	µg/L	100		80.6	70-130	13.3	25		
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106	70-130	1.33	25		
Chlorobenzene	9.56	1.0	µg/L	10.0		95.6	70-130	5.59	25		
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104	70-130	3.86	25		
Chloroethane	8.45	2.0	µg/L	10.0		84.5	70-130	10.5	25		
Chloroform	11.0	2.0	µg/L	10.0		110	70-130	0.546	25		
Chloromethane	8.19	2.0	µg/L	10.0		81.9	40-160	25.2 *	25	R-05, V-34	†
Cyclohexane	11.2	5.0	µg/L	10.0		112	70-130	4.62	25		
1,2-Dibromo-3-chloropropane (DBCP)	9.98	5.0	µg/L	10.0		99.8	70-130	6.73	25		
1,2-Dibromoethane (EDB)	9.71	0.50	µg/L	10.0		97.1	70-130	7.15	25		
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	5.44	25		
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	6.10	25		
1,4-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	1.97	25		
Dichlorodifluoromethane (Freon 12)	8.03	2.0	µg/L	10.0		80.3	40-160	5.22	25	V-34	†
1,1-Dichloroethane	11.9	1.0	µg/L	10.0		119	70-130	1.67	25		
1,2-Dichloroethane	9.55	1.0	µg/L	10.0		95.5	70-130	4.20	25		
1,1-Dichloroethylene	7.88	1.0	µg/L	10.0		78.8	70-130	1.41	25		
cis-1,2-Dichloroethylene	11.4	1.0	µg/L	10.0		114	70-130	3.63	25		
trans-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130	7.10	25		
1,2-Dichloropropane	11.1	1.0	µg/L	10.0		111	70-130	4.68	25		
cis-1,3-Dichloropropene	11.3	0.50	µg/L	10.0		113	70-130	3.66	25		
trans-1,3-Dichloropropene	11.2	0.50	µg/L	10.0		112	70-130	3.16	25		
1,4-Dioxane	82.0	50	µg/L	100		82.0	40-130	0.450	50		† ‡

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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 B343454 - SW-846 5030B										
LCS Dup (B343454-BSD1)					Prepared: 06/16/23 Analyzed: 06/19/23					
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130	2.47	25	
2-Hexanone (MBK)	119	10	µg/L	100		119	70-160	0.337	25	†
Isopropylbenzene (Cumene)	9.51	1.0	µg/L	10.0		95.1	70-130	6.81	25	
Methyl Acetate	8.85	1.0	µg/L	10.0		88.5	70-130	0.900	25	
Methyl tert-Butyl Ether (MTBE)	10.8	1.0	µg/L	10.0		108	70-130	2.06	25	
Methyl Cyclohexane	9.42	1.0	µg/L	10.0		94.2	70-130	9.41	25	
Methylene Chloride	8.98	5.0	µg/L	10.0		89.8	70-130	5.42	25	
4-Methyl-2-pentanone (MIBK)	118	10	µg/L	100		118	70-160	0.347	25	†
Styrene	10.2	1.0	µg/L	10.0		102	70-130	3.94	25	
1,1,2,2-Tetrachloroethane	9.48	0.50	µg/L	10.0		94.8	70-130	4.23	25	
Tetrachloroethylene	9.93	1.0	µg/L	10.0		99.3	70-130	5.87	25	
Toluene	10.3	1.0	µg/L	10.0		103	70-130	2.68	25	
1,2,3-Trichlorobenzene	10.0	5.0	µg/L	10.0		100	70-130	0.100	25	
1,2,4-Trichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	3.05	25	
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	2.34	25	
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130	5.47	25	
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	0.0982	25	
Trichlorofluoromethane (Freon 11)	6.91	2.0	µg/L	10.0		69.1	* 70-130	2.71	25	L-07, V-05
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.18	1.0	µg/L	10.0		81.8	70-130	1.82	25	
1,2,3-Trimethylbenzene	9.76	0.50	µg/L	10.0		97.6	70-130	5.87	25	
1,2,4-Trimethylbenzene	10.7	1.0	µg/L	10.0		107	70-130	3.40	25	
1,3,5-Trimethylbenzene	9.70	1.0	µg/L	10.0		97.0	70-130	7.92	25	
Vinyl Chloride	10.4	2.0	µg/L	10.0		104	40-160	10.9	25	†
m+p Xylene	20.2	2.0	µg/L	20.0		101	70-130	1.87	25	
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130	3.09	25	
Xylenes (total)	30.4	1.0	µg/L	30.0		101	0-200	2.28		
Surrogate: 1,2-Dichloroethane-d4	26.6		µg/L	25.0		106	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	23.9		µg/L	25.0		95.5	70-130			

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

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch B343787 - EPA 200.7									
Blank (B343787-BLK1)									
				Prepared: 06/20/23 Analyzed: 06/21/23					
Aluminum	ND	0.050	mg/L						
Iron	ND	0.050	mg/L						
Blank (B343787-BLK2)									
				Prepared: 06/20/23 Analyzed: 06/21/23					
Zinc	ND	0.010	mg/L						
LCS (B343787-BS1)									
				Prepared: 06/20/23 Analyzed: 06/21/23					
Aluminum	0.493	0.050	mg/L	0.500		98.6	85-115		
Iron	3.86	0.050	mg/L	4.00		96.6	85-115		
LCS (B343787-BS2)									
				Prepared: 06/20/23 Analyzed: 06/21/23					
Zinc	1.03	0.010	mg/L	1.00		103	85-115		
LCS Dup (B343787-BSD1)									
				Prepared: 06/20/23 Analyzed: 06/21/23					
Aluminum	0.492	0.050	mg/L	0.500		98.4	85-115	0.134	20
Iron	3.87	0.050	mg/L	4.00		96.8	85-115	0.242	20
LCS Dup (B343787-BSD2)									
				Prepared: 06/20/23 Analyzed: 06/21/23					
Zinc	1.01	0.010	mg/L	1.00		101	85-115	2.07	20

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

QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch B344887 - EPA 1664B								
Blank (B344887-BLK1)				Prepared & Analyzed: 07/03/23				
Silica Gel Treated HEM (SGT-HEM)	ND	1.4	mg/L					
LCS (B344887-BS1)				Prepared & Analyzed: 07/03/23				
Silica Gel Treated HEM (SGT-HEM)	8.9	1.4	mg/L	10.0	89.0	64-132		
Duplicate (B344887-DUP1)				Prepared & Analyzed: 07/03/23				
Silica Gel Treated HEM (SGT-HEM)	ND	1.4	mg/L		0.50		NC	18
Matrix Spike (B344887-MS1)				Prepared & Analyzed: 07/03/23				
Silica Gel Treated HEM (SGT-HEM)	63	14	mg/L	100	ND	63.0 * 64-132		MS-07

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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.
MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.
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.
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-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

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	
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-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
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

CHAIN OF CUSTODY

**Client: New York State Dept. of
Environmental Conservation**

PAGE / OF

DEC Site #: 907016

CLIENT/REPORTING INFORMATION	
Groundwater & Environmental Services, Inc. 415 Lawrence Bell Drive, Williamsville, NY 14221	
Project Manager: Thomas Palmer TPalmer@gesononline.com GESInbox@GESOnline.com	Phone #: 800-287-7857 fax 866-902-2187

Project Name:
NYSDEC/Frewsburg/NY/FalconerSt/300

Project Address:
300 Falconer Street, Frewsburg, NY

Project PSID #:

DEC Lab Callout ID: 142802
DEC PM: Daminaos Skaros

Invoice Instructions (Project #/ Phase / Task / Altorg)
NYSDEC Site No. 907016
Lab Project Manager: Michel Buttrick

REQUESTED ANALYSIS
(see Test Code sheet)

LAB USE ONLY

Sampler(s) Name:

Sampler(s) Name:

number of preserved bottles

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

 Standard 14 Days

1 day RUSH

Other _____

Laboratory Information

Lab: Pace Analytical Services

Address: 39 Spruce St, East Longmeadow, MA 01028

Phone: 518-608-1036

Lab PM: Michael Buttrick

Lab PM Email:

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + QC Summary

FULLT1 (Level 3 & 4)

NI Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

NI Data of Known Quality Protocol Reporting

NYASP Category A

 NYASP Category B

State Forms

 EDD Format

☒ Other NYSDEC EDD FOR NYSDEC EQUIS

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/Buffalo/NY/MainSt/2929-2939_LabReport#.30987.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.		
Relinquished By Sampler: 1	Date / Time: 1 6/13 1230	Received By: 1
Relinquished By : 2	Date / Time: 2	Received By: 2
Relinquished By : 3	Date / Time: 3	Received By: 3
Custody Seal Number: ☐ Intact ☐ Preserved where applicable		

(https://www.fedex.com/en-us/home.html)

Sign in or Log in

FedEx® Tracking



DELIVERED

Wednesday

6/14/2023 at 9:51 am

Signature release on file

Package delivered to recipient address

↓ Obtain proof of delivery

DELIVERY STATUS

Delivered 

↓ Shipment is 1 of 2 pieces

TRACKING ID

399572604855  

FROM

EAST LONGMEADOW, MA US

Label Created

6/13/2023 11:18 AM

PACKAGE RECEIVED BY FEDEX

JAMESTOWN, NY

6/13/2023 12:09 PM

IN TRANSIT

WINDSOR LOCKS, CT

6/14/2023 7:17 AM

OUT FOR DELIVERY

WINDSOR LOCKS, CT

6/14/2023 7:26 AM

DELIVERED

East Longmeadow, MA US

Delivered

6/14/2023 at 9:51 AM

↓ View travel history

Want updates on this shipment? Enter your email and we will do the rest!

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SUBMIT

MORE OPTIONS

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.pacelabs.com

ENV-FRM-ELON-0001 V05 Sample Receiving Checklist

Log In Back-Sheet

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

Client GESProject FreshingMCP/RCP Required N/ADeliverable Package Requirement N/ALocation 300 Falconer St. Frewsburg, NYPWSID# (When Applicable) N/A

Arrival Method:

Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐

Received By / Date / Time AAM / 6-14-23 / 0951Back-Sheet By / Date / Time AAM / 6-14-23 / 1143Temperature Method Temp. Gun # 5Temp ☒ < 6°C Actual Temperature 5.3°CRush Samples: Yes ☒ No ☐ NotifyShort Hold: Yes ☒ No ☐ Notify

Notes regarding Samples/COC outside of SOP:

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☐	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☒	☐
Lab to Filters	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☐
Project ☒ IDs ☒ Collection Date/Time ☒

All Samples Proper pH: N/A ☒

Additional Container Notes

Sample	Soils Jars				Ambers						Plastics						VOA Vials					Other / Fill in			
	(Circle Amb/Clear)				1 Liter		250ml		100ml	1 Liter		500ml		250ml											
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	BiSulfate	Col/Bact
1																									
2							2															2			
3																									
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20																									

Influent/Effluent PFAS

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

August 4, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer St, Frewsburg , NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23G2398

Enclosed are results of analyses for samples as received by the laboratory on July 19, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 8/4/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G2398

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

PROJECT LOCATION: 300 Falconer St, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	23G2398-01	Ground Water		Draft Method 1633	
Treatment Influent	23G2398-02	Ground Water		Draft Method 1633	

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

CASE NARRATIVE SUMMARY

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

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.



Tod E. Kopyscinski
Laboratory Director

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

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 23G2398

Date Received: 7/19/2023

Field Sample #: Treatment Effluent

Sampled: 7/18/2023 11:15

Sample ID: 23G2398-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	3.7	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.8	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluorooctanoic acid (PFOA)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluorononanoic acid (PFNA)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluorodecanoic acid (PFDA)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.7	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.7	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.7	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.92	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	9.2	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.2	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.7	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	3.7	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.7	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.7	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.2	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	46	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	46	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.8	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS

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

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 23G2398

Date Received: 7/19/2023

Field Sample #: Treatment Effluent

Sampled: 7/18/2023 11:15

Sample ID: 23G2398-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.8	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:14	AMS
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
13C4-PFBA	101	10-130						8/3/23 11:14	
13C5-PFPeA	99.8	35-150						8/3/23 11:14	
13C5-PFHxA	103	55-150						8/3/23 11:14	
13C4-PFHpA	96.3	55-150						8/3/23 11:14	
13C8-PFOA	100	60-140						8/3/23 11:14	
13C9-PFNA	101	55-140						8/3/23 11:14	
13C6-PFDA	105	50-140						8/3/23 11:14	
13C7-PFUnA	101	30-140						8/3/23 11:14	
13C2-PFDoA	93.2	10-150						8/3/23 11:14	
13C2-PFTeDA	89.4	10-130						8/3/23 11:14	
13C3-PFBS	96.9	55-150						8/3/23 11:14	
13C3-PFHxS	99.4	55-150						8/3/23 11:14	
13C8-PFOS	97.1	45-140						8/3/23 11:14	
13C2-4:2FTS	82.2	60-200						8/3/23 11:14	
13C2-6:2FTS	98.0	60-200						8/3/23 11:14	
13C2-8:2FTS	107	50-200						8/3/23 11:14	
13C8-PFOSA	88.3	30-130						8/3/23 11:14	
D3-NMeFOSA	67.7	15-130						8/3/23 11:14	
D5-NEtFOSA	70.2	10-130						8/3/23 11:14	
D3-NMeFOSAA	99.1	45-200						8/3/23 11:14	
D5-NEtFOSAA	95.8	10-200						8/3/23 11:14	
D7-NMeFOSE	83.9	10-150						8/3/23 11:14	
D9-NEtFOSE	80.5	10-150						8/3/23 11:14	
13C3-HFPO-DA	107	25-160						8/3/23 11:14	

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

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 23G2398

Date Received: 7/19/2023

Field Sample #: Treatment Effluent

Sampled: 7/18/2023 11:15

Sample ID: 23G2398-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	30	10	mg/L	1		Draft Method 1633	7/20/23	7/24/23 11:50	RRB

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

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 23G2398

Date Received: 7/19/2023

Field Sample #: Treatment Influent

Sampled: 7/18/2023 11:20

Sample ID: 23G2398-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	3.7	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.9	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluorooctanoic acid (PFOA)	ND	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluorononanoic acid (PFNA)	ND	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluorodecanoic acid (PFDA)	ND	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluorooctanesulfonic acid (PFOS)	2.1	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.7	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.7	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.7	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
N-EtFOSAA (NEtFOSAA)	1.2	0.93	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	9.3	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.3	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.7	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	3.7	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.7	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
11Cl-PF3OUs (F53B Major)	ND	3.7	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.3	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	47	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	47	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS

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

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 23G2398

Date Received: 7/19/2023

Field Sample #: Treatment Influent

Sampled: 7/18/2023 11:20

Sample ID: 23G2398-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.9	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	ng/L	1		Draft Method 1633	7/31/23	8/3/23 11:30	AMS
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
13C4-PFBA	90.3	10-130						8/3/23 11:30	
13C5-PFPeA	88.5	35-150						8/3/23 11:30	
13C5-PFHxA	92.0	55-150						8/3/23 11:30	
13C4-PFHpA	88.9	55-150						8/3/23 11:30	
13C8-PFOA	87.3	60-140						8/3/23 11:30	
13C9-PFNA	85.3	55-140						8/3/23 11:30	
13C6-PFDA	80.8	50-140						8/3/23 11:30	
13C7-PFUnA	65.0	30-140						8/3/23 11:30	
13C2-PFDoA	63.6	10-150						8/3/23 11:30	
13C2-PFTeDA	67.2	10-130						8/3/23 11:30	
13C3-PFBS	84.0	55-150						8/3/23 11:30	
13C3-PFHxS	88.6	55-150						8/3/23 11:30	
13C8-PFOS	84.4	45-140						8/3/23 11:30	
13C2-4:2FTS	96.4	60-200						8/3/23 11:30	
13C2-6:2FTS	128	60-200						8/3/23 11:30	
13C2-8:2FTS	148	50-200						8/3/23 11:30	
13C8-PFOSA	66.5	30-130						8/3/23 11:30	
D3-NMeFOSA	49.1	15-130						8/3/23 11:30	
D5-NEtFOSA	51.5	10-130						8/3/23 11:30	
D3-NMeFOSAA	56.0	45-200						8/3/23 11:30	
D5-NEtFOSAA	33.8	10-200						8/3/23 11:30	
D7-NMeFOSE	20.3	10-150						8/3/23 11:30	
D9-NEtFOSE	52.0	10-150						8/3/23 11:30	
13C3-HFPO-DA	92.4	25-160						8/3/23 11:30	

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

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 23G2398

Date Received: 7/19/2023

Field Sample #: Treatment Influent

Sampled: 7/18/2023 11:20

Sample ID: 23G2398-02

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1		Draft Method 1633	7/20/23	7/24/23 11:50	RRB

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Draft Method 1633**

Lab Number [Field ID]	Batch	Initial [mL]	Date
23G2398-01 [Treatment Effluent]	B346639	50.0	07/20/23
23G2398-02 [Treatment Influent]	B346639	50.0	07/20/23

Prep Method:Draft Method 1633 **Analytical Method:**Draft Method 1633 **Leachates were extracted on 7/20/2023 per NO PREP in Batch B346639**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2398-01 [Treatment Effluent]	B346882	545	5.00	07/31/23
23G2398-02 [Treatment Influent]	B346882	537	5.00	07/31/23

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

QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346882 - Draft Method 1633										
Blank (B346882-BLK1)				Prepared: 07/31/23 Analyzed: 08/03/23						
Perfluorobutanoic acid (PFBA)	ND	3.9	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	0.98	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	0.98	ng/L							
Perfluorooctanoic acid (PFOA)	ND	0.98	ng/L							
Perfluorononanoic acid (PFNA)	ND	0.98	ng/L							
Perfluorodecanoic acid (PFDA)	ND	0.98	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	0.98	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	0.98	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	0.98	ng/L							
Perfluorotetradecanoic acid (PFTeDA)	ND	0.98	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	0.98	ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	0.98	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	0.98	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.98	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	0.98	ng/L							
Perfluorononanesulfonic acid (PFNS)	ND	0.98	ng/L							
Perfluorodecanesulfonic acid (PFDS)	ND	0.98	ng/L							
Perfluorododecanesulfonic acid (PFDoS)	ND	0.98	ng/L							
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.9	ng/L							
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.9	ng/L							
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.9	ng/L							
Perfluorooctanesulfonamide (PFOSA)	ND	0.98	ng/L							
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	0.98	ng/L							
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.98	ng/L							
N-MeFOSAA (NMeFOSAA)	ND	0.98	ng/L							
N-EtFOSAA (NEtFOSAA)	ND	0.98	ng/L							
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	9.8	ng/L							
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.8	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.9	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.9	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	3.9	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	3.9	ng/L							
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.8	ng/L							
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	49	ng/L							
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	49	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND	2.0	ng/L							
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.0	ng/L							
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.0	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	ng/L							
Surrogate: 13C4-PFBA	94.9		ng/L	97.9		96.9	10-130			

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QUALITY CONTROL
Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

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

Batch B346882 - Draft Method 1633
Blank (B346882-BLK1)

Prepared: 07/31/23 Analyzed: 08/03/23

Surrogate: 13C5-PFPeA	46.2		ng/L	48.9		94.5	35-150			
Surrogate: 13C5-PFHxA	23.8		ng/L	24.5		97.4	55-150			
Surrogate: 13C4-PFHpA	23.8		ng/L	24.5		97.1	55-150			
Surrogate: 13C8-PFOA	24.2		ng/L	24.5		98.9	60-140			
Surrogate: 13C9-PFNA	11.6		ng/L	12.2		95.1	55-140			
Surrogate: 13C6-PFDA	11.6		ng/L	12.2		95.0	50-140			
Surrogate: 13C7-PFUnA	11.4		ng/L	12.2		93.4	30-140			
Surrogate: 13C2-PFDoA	11.0		ng/L	12.2		89.9	10-150			
Surrogate: 13C2-PFTeDA	11.0		ng/L	12.2		90.1	10-130			
Surrogate: 13C3-PFBS	22.9		ng/L	24.5		93.4	55-150			
Surrogate: 13C3-PFHxS	22.9		ng/L	24.5		93.5	55-150			
Surrogate: 13C8-PFOS	24.0		ng/L	24.5		98.0	45-140			
Surrogate: 13C2-4:2FTS	38.0		ng/L	48.9		77.7	60-200			
Surrogate: 13C2-6:2FTS	44.2		ng/L	48.9		90.3	60-200			
Surrogate: 13C2-8:2FTS	45.2		ng/L	48.9		92.4	50-200			
Surrogate: 13C8-PFOA	21.6		ng/L	24.5		88.1	30-130			
Surrogate: D3-NMeFOSA	16.4		ng/L	24.5		67.0	15-130			
Surrogate: D5-NEtFOSA	18.1		ng/L	24.5		74.0	10-130			
Surrogate: D3-NMeFOSAA	44.8		ng/L	48.9		91.6	45-200			
Surrogate: D5-NEtFOSAA	43.9		ng/L	48.9		89.7	10-200			
Surrogate: D7-NMeFOSE	21.4		ng/L	24.5		87.6	10-150			
Surrogate: D9-NEtFOSE	21.1		ng/L	24.5		86.3	10-150			
Surrogate: 13C3-HFPO-DA	96.9		ng/L	97.9		99.0	25-160			

LCS (B346882-BS1)

Prepared: 07/31/23 Analyzed: 08/03/23

Perfluorobutanoic acid (PFBA)	90.5	3.9	ng/L	94.2		96.1	58-148			
Perfluoropentanoic acid (PFPeA)	43.9	2.0	ng/L	47.1		93.3	54-152			
Perfluorohexanoic acid (PFHxA)	21.7	0.98	ng/L	23.6		92.2	55-152			
Perfluoroheptanoic acid (PFHpA)	22.2	0.98	ng/L	23.6		94.2	54-154			
Perfluorooctanoic acid (PFOA)	22.1	0.98	ng/L	23.6		93.8	52-161			
Perfluorononanoic acid (PFNA)	22.7	0.98	ng/L	23.6		96.2	59-149			
Perfluorodecanoic acid (PFDA)	22.2	0.98	ng/L	23.6		94.1	52-147			
Perfluoroundecanoic acid (PFUnA)	21.4	0.98	ng/L	23.6		90.8	48-159			
Perfluorododecanoic acid (PFDoA)	22.2	0.98	ng/L	23.6		94.1	64-142			
Perfluorotridecanoic acid (PFTTrDA)	21.9	0.98	ng/L	23.6		93.1	49-148			
Perfluorotetradecanoic acid (PFTeDA)	21.8	0.98	ng/L	23.6		92.6	47-161			
Perfluorobutanesulfonic acid (PFBS)	19.3	0.98	ng/L	20.9		92.6	62-144			
Perfluoropentanesulfonic acid (PFPeS)	20.6	0.98	ng/L	22.1		93.0	59-151			
Perfluorohexanesulfonic acid (PFHxS)	20.0	0.98	ng/L	21.6		92.7	57-146			
Perfluoroheptanesulfonic acid (PFHpS)	20.6	0.98	ng/L	22.4		92.0	55-152			
Perfluorooctanesulfonic acid (PFOS)	19.6	0.98	ng/L	21.8		89.8	58-149			
Perfluorononanesulfonic acid (PFNS)	19.9	0.98	ng/L	22.7		87.9	52-148			
Perfluorodecanesulfonic acid (PFDS)	19.6	0.98	ng/L	22.7		86.4	51-147			
Perfluorododecanesulfonic acid (PFDoS)	19.2	0.98	ng/L	22.8		83.9	36-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	84.4	3.9	ng/L	88.3		95.6	67-146			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	80.0	3.9	ng/L	89.5		89.4	61-151			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	85.8	3.9	ng/L	90.7		94.6	63-152			
Perfluorooctanesulfonamide (PFOSA)	21.8	0.98	ng/L	23.6		92.8	61-148			
N-methyl perfluorooctanesulfonamide (NMeFOSA)	21.0	0.98	ng/L	23.6		89.1	63-145			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

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

Batch B346882 - Draft Method 1633

LCS (B346882-BS1)

Prepared: 07/31/23 Analyzed: 08/03/23

N-ethyl perfluorooctanesulfonamide (NEtFOSA)	20.4	0.98	ng/L	23.6		86.5	65-139			
N-MeFOSAA (NMeFOSAA)	19.8	0.98	ng/L	23.6		84.0	58-144			
N-EtFOSAA (NEtFOSAA)	21.4	0.98	ng/L	23.6		90.8	59-146			
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	222	9.8	ng/L	236		94.0	71-136			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	219	9.8	ng/L	236		93.0	69-137			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	95.1	3.9	ng/L	94.2		101	63-144			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	80.3	3.9	ng/L	88.9		90.4	68-146			
9Cl-PF3ONS (F53B Minor)	85.9	3.9	ng/L	88.3		97.2	56-156			
11Cl-PF3OUDS (F53B Major)	81.4	3.9	ng/L	88.9		91.6	46-156			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	210	9.8	ng/L	236		89.1	62-129			
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA) (5:3FTCA)	1050	49	ng/L	1180		89.2	63-134			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	1010	49	ng/L	1180		85.6	50-138			
Perfluoro(2-ethoxyethane)sulfonic acid (PFESA)	40.3	2.0	ng/L	41.9		96.1	56-151			
Perfluoro-3-methoxypropanoic acid (PFMPA)	43.8	2.0	ng/L	47.1		93.0	51-145			
Perfluoro-4-methoxybutanoic acid (PFMBA)	46.1	2.0	ng/L	47.1		97.8	55-148			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	46.1	2.0	ng/L	47.1		97.9	48-161			
Surrogate: 13C4-PFBA	97.1		ng/L	98.1		98.9	10-130			
Surrogate: 13C5-PFPeA	47.7		ng/L	49.1		97.3	35-150			
Surrogate: 13C5-PFHxA	24.6		ng/L	24.5		100	55-150			
Surrogate: 13C4-PFHpA	24.5		ng/L	24.5		99.7	55-150			
Surrogate: 13C8-PFOA	23.6		ng/L	24.5		96.0	60-140			
Surrogate: 13C9-PFNA	12.0		ng/L	12.3		97.9	55-140			
Surrogate: 13C6-PFDA	12.1		ng/L	12.3		98.8	50-140			
Surrogate: 13C7-PFUnA	12.2		ng/L	12.3		99.3	30-140			
Surrogate: 13C2-PFDoA	11.4		ng/L	12.3		92.7	10-150			
Surrogate: 13C2-PFTeDA	11.4		ng/L	12.3		93.0	10-130			
Surrogate: 13C3-PFBS	23.4		ng/L	24.5		95.6	55-150			
Surrogate: 13C3-PFHxS	24.5		ng/L	24.5		99.8	55-150			
Surrogate: 13C8-PFOS	24.7		ng/L	24.5		101	45-140			
Surrogate: 13C2-4:2FTS	41.4		ng/L	49.1		84.4	60-200			
Surrogate: 13C2-6:2FTS	47.1		ng/L	49.1		95.9	60-200			
Surrogate: 13C2-8:2FTS	49.6		ng/L	49.1		101	50-200			
Surrogate: 13C8-PFOSA	21.9		ng/L	24.5		89.1	30-130			
Surrogate: D3-NMeFOSA	16.4		ng/L	24.5		66.9	15-130			
Surrogate: D5-NEtFOSA	18.1		ng/L	24.5		73.6	10-130			
Surrogate: D3-NMeFOSAA	48.1		ng/L	49.1		98.1	45-200			
Surrogate: D5-NEtFOSAA	45.0		ng/L	49.1		91.7	10-200			
Surrogate: D7-NMeFOSE	224		ng/L	245		91.2	10-150			
Surrogate: D9-NEtFOSE	217		ng/L	245		88.5	10-150			
Surrogate: 13C3-HFPO-DA	98.0		ng/L	98.1		99.9	25-160			

MRL Check (B346882-MRL1)

Prepared: 07/31/23 Analyzed: 08/03/23

Perfluorobutanoic acid (PFBA)	8.52	3.9	ng/L	7.89		108	44-157			
Perfluoropentanoic acid (PFPeA)	4.07	2.0	ng/L	3.95		103	57-148			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346882 - Draft Method 1633										
MRL Check (B346882-MRL1)										
Prepared: 07/31/23 Analyzed: 08/03/23										
Perfluorohexanoic acid (PFHxA)	2.05	0.99	ng/L	1.97		104	62-149			
Perfluoroheptanoic acid (PFHpA)	2.04	0.99	ng/L	1.97		103	56-150			
Perfluorooctanoic acid (PFOA)	1.92	0.99	ng/L	1.97		97.0	57-161			
Perfluorononanoic acid (PFNA)	2.04	0.99	ng/L	1.97		104	53-157			
Perfluorodecanoic acid (PFDA)	1.79	0.99	ng/L	1.97		90.9	43-158			
Perfluoroundecanoic acid (PFUnA)	1.80	0.99	ng/L	1.97		91.4	50-155			
Perfluorododecanoic acid (PFDoA)	2.07	0.99	ng/L	1.97		105	60-141			
Perfluorotridecanoic acid (PFTrDA)	1.92	0.99	ng/L	1.97		97.4	52-140			
Perfluorotetradecanoic acid (PFTeDA)	1.92	0.99	ng/L	1.97		97.2	52-156			
Perfluorobutanesulfonic acid (PFBS)	1.71	0.99	ng/L	1.75		97.5	63-145			
Perfluoropentanesulfonic acid (PFPeS)	1.79	0.99	ng/L	1.86		96.5	58-144			
Perfluorohexanesulfonic acid (PFHxS)	1.89	0.99	ng/L	1.81		105	44-158			
Perfluoroheptanesulfonic acid (PFHpS)	2.09	0.99	ng/L	1.88		111	51-150			
Perfluorooctanesulfonic acid (PFOS)	2.13	0.99	ng/L	1.83		116	43-162			
Perfluorononanesulfonic acid (PFNS)	2.01	0.99	ng/L	1.90		106	46-151			
Perfluorodecanesulfonic acid (PFDS)	1.87	0.99	ng/L	1.90		98.0	50-144			
Perfluorododecanesulfonic acid (PFDoS)	2.06	0.99	ng/L	1.91		108	30-138			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	7.63	3.9	ng/L	7.40		103	52-158			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	7.30	3.9	ng/L	7.50		97.4	48-158			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	8.34	3.9	ng/L	7.60		110	46-165			
Perfluorooctanesulfonamide (PFOSA)	2.06	0.99	ng/L	1.97		105	47-163			
N-methyl perfluorooctanesulfonamide (NMeFOSA)	1.91	0.99	ng/L	1.97		96.7	54-155			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	1.88	0.99	ng/L	1.97		95.1	49-156			
N-MeFOSAA (NMeFOSAA)	1.97	0.99	ng/L	1.97		99.9	32-160			
N-EtFOSAA (NEtFOSAA)	1.96	0.99	ng/L	1.97		99.2	51-154			
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	19.7	9.9	ng/L	19.7		99.7	56-151			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	20.0	9.9	ng/L	19.7		101	60-147			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.70	3.9	ng/L	7.89		97.6	58-154			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.98	3.9	ng/L	7.45		93.7	61-148			
9Cl-PF3ONS (F53B Minor)	7.30	3.9	ng/L	7.40		98.7	44-167			
11Cl-PF3OUDS (F53B Major)	6.71	3.9	ng/L	7.45		90.1	36-158			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	17.8	9.9	ng/L	19.7		90.3	32-161			
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	88.1	49	ng/L	98.7		89.2	39-156			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	82.3	49	ng/L	98.7		83.4	36-149			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	3.49	2.0	ng/L	3.51		99.2	56-144			
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.97	2.0	ng/L	3.95		101	48-150			
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	2.0	ng/L	3.95		101	49-154			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.96	2.0	ng/L	3.95		100	47-160			
Surrogate: 13C4-PFBA	97.1		ng/L	98.7		98.4	10-130			
Surrogate: 13C5-PFPeA	47.6		ng/L	49.3		96.4	35-150			
Surrogate: 13C5-PFHxA	24.6		ng/L	24.7		99.9	55-150			

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QUALITY CONTROL
Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

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

Batch B346882 - Draft Method 1633
MRL Check (B346882-MRL1)

Prepared: 07/31/23 Analyzed: 08/03/23

Surrogate: 13C4-PFHpA	24.0		ng/L	24.7		97.2	55-150			
Surrogate: 13C8-PFOA	24.2		ng/L	24.7		98.0	60-140			
Surrogate: 13C9-PFNA	12.0		ng/L	12.3		97.3	55-140			
Surrogate: 13C6-PFDA	12.5		ng/L	12.3		101	50-140			
Surrogate: 13C7-PFUnA	12.1		ng/L	12.3		97.9	30-140			
Surrogate: 13C2-PFDoA	11.2		ng/L	12.3		90.8	10-150			
Surrogate: 13C2-PFTeDA	11.6		ng/L	12.3		93.8	10-130			
Surrogate: 13C3-PFBS	23.8		ng/L	24.7		96.3	55-150			
Surrogate: 13C3-PFHxS	25.0		ng/L	24.7		101	55-150			
Surrogate: 13C8-PFOS	23.6		ng/L	24.7		95.6	45-140			
Surrogate: 13C2-4:2FTS	39.2		ng/L	49.3		79.5	60-200			
Surrogate: 13C2-6:2FTS	46.1		ng/L	49.3		93.5	60-200			
Surrogate: 13C2-8:2FTS	47.5		ng/L	49.3		96.2	50-200			
Surrogate: 13C8-PFOSA	22.2		ng/L	24.7		90.1	30-130			
Surrogate: D3-NMeFOSA	18.2		ng/L	24.7		73.9	15-130			
Surrogate: D5-NEtFOSA	19.3		ng/L	24.7		78.2	10-130			
Surrogate: D3-NMeFOSAA	47.4		ng/L	49.3		96.1	45-200			
Surrogate: D5-NEtFOSAA	45.3		ng/L	49.3		91.8	10-200			
Surrogate: D7-NMeFOSE	229		ng/L	247		92.9	10-150			
Surrogate: D9-NEtFOSE	227		ng/L	247		91.8	10-150			
Surrogate: 13C3-HFPO-DA	99.8		ng/L	98.7		101	25-160			

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

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

Batch B346639 - Draft Method 1633
Blank (B346639-BLK1)

Prepared: 07/20/23 Analyzed: 07/24/23

Total Suspended Solids	ND	5.0	mg/L							

LCS (B346639-BS1)

Prepared: 07/20/23 Analyzed: 07/24/23

Total Suspended Solids	180	5.0	mg/L	200		90.0	64.1-125			

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>Draft Method 1633 in Water</i>	
Total Suspended Solids	CT,MA,NH,NY,RI,NC,ME,VA
Perfluorobutanoic acid (PFBA)	NH-P,NY,PA,WV
Perfluoropentanoic acid (PFPeA)	NH-P,NY,PA,WV
Perfluorohexanoic acid (PFHxA)	NH-P,NY,PA,WV
Perfluoroheptanoic acid (PFHpA)	NH-P,NY,PA,WV
Perfluorooctanoic acid (PFOA)	NH-P,NY,PA,WV
Perfluorononanoic acid (PFNA)	NH-P,NY,PA,WV
Perfluorodecanoic acid (PFDA)	NH-P,NY,PA,WV
Perfluoroundecanoic acid (PFUnA)	NH-P,NY,PA,WV
Perfluorododecanoic acid (PFDoA)	NH-P,NY,PA,WV
Perfluorotridecanoic acid (PFTrDA)	NH-P,NY,PA,WV
Perfluorotetradecanoic acid (PFTeDA)	NH-P,NY,PA,WV
Perfluorobutanesulfonic acid (PFBS)	NH-P,NY,PA,WV
Perfluoropentanesulfonic acid (PFPeS)	NH-P,NY,PA,WV
Perfluorohexanesulfonic acid (PFHxS)	NH-P,NY,PA,WV
Perfluoroheptanesulfonic acid (PFHpS)	NH-P,NY,PA,WV
Perfluorooctanesulfonic acid (PFOS)	NH-P,NY,PA,WV
Perfluorononanesulfonic acid (PFNS)	NH-P,PA,WV
Perfluorodecanesulfonic acid (PFDS)	NH-P,PA,WV
Perfluorododecanesulfonic acid (PFDoS)	NH-P,PA,WV
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	NH-P,PA,WV
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	NH-P,NY,PA,WV
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	NH-P,NY,PA,WV
Perfluorooctanesulfonamide (PFOSA)	NH-P,PA,WV
N-methyl perfluorooctanesulfonamide (NMeFOSA)	NH-P,PA,WV
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	NH-P,PA,WV
N-MeFOSAA (NMeFOSAA)	NH-P,NY,PA,WV
N-EtFOSAA (NEtFOSAA)	NH-P,NY,PA,WV
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	NH-P,PA,WV
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	NH-P,PA,WV
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NH-P,NY,PA,WV
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NH-P,NY,PA,WV
9Cl-PF3ONS (F53B Minor)	NH-P,NY,PA,WV
11Cl-PF3OUdS (F53B Major)	NH-P,NY,PA,WV
3-Perfluoropropyl propanoic acid (FPrPA)(3:3FTCA)	NH-P,PA,WV
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	NH-P,PA,WV
3-Perfluoroheptyl propanoic acid (FHpPA)(7:3FTCA)	NH-P,PA,WV
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	NH-P,NY,PA,WV
Perfluoro-3-methoxypropanoic acid (PFMPA)	NH-P,NY,PA,WV
Perfluoro-4-methoxybutanoic acid (PFMBA)	NH-P,PA,WV
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NH-P,PA,WV

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

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

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2024
WV	West Virginia DEP Division of Water and Waste Management	419	08/31/2024



DEC Site #: 907016

2362398 KAM
Client: New York State Dept. of
Environmental Conservation

PAGE 1 OF

FED-EX Tracking #	Bottle Order Control #
Lab Quote #	Lab Job #

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

Standard 14 Days

1 day RUSH

Other

Laboratory Information

Lab: Pace Analytical Services

Address: 39 Spruce St, East Longmeadow, MA 01028

Phone: 518-608-1036

Lab PM: Michael Buttrick

Lab PM Email:

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + QC Summary

FULLT1 (Level 3 & 4)

NJ Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

NJ Data of Known Quality Protocol Reporting

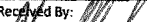
NYASP Category A

NYASP Category B

State Forms

EDD Format

Other NYSDEC EDD FOR NYSDEC EQUIS

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Sampler 1 	Date / Time: 1 7/18/2000	Received By: 1  4:30c	0952 7-14-23
Relinquished By : 2	Date / Time: 2	Received By: 2	
Relinquished By : 3	Date / Time: 3	Received By: 3	
Custody Seal Number: ☒ Intact ☐ Preserved where applicable			

(https://www.fedex.com/en-us/home.html)

Sign Up or Log In

FedEx® Tracking



DELIVERED

Wednesday

7/19/2023 at 9:52 am

Signed for by: L.ARROYO

↓ Obtain proof of delivery

How was your delivery?



DELIVERY STATUS

Delivered

↓ Shipment is 1 of 3 pieces

TRACKING ID

781305311903

FROM

EAST LONGMEADOW, MA US

Label Created

7/18/2023 11:46 AM

WE HAVE YOUR PACKAGE

JAMESTOWN, NY

7/18/2023 12:44 PM

IN TRANSIT

WINDSOR LOCKS, CT

7/19/2023 6:58 AM

OUT FOR DELIVERY

WINDSOR LOCKS, CT

7/19/2023 7:48 AM

DELIVERED

East Longmeadow, MA US

Delivered

7/19/2023 at 9:52 AM

↓ View travel history

Want updates on this shipment? Enter your email and we will do the rest!

YOUR EMAIL

SUBMIT

MORE OPTIONS

	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client GES
 Project Frewsburg/NY/Falconer St
 MCP/RCP Required N/A
 Deliverable Package Requirement CAT B
 Location 300 Falconer St, Frewsburg
 PWSID# (When Applicable) N/A
 Arrival Method:
 Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐
 Received By / Date / Time AAM/7-14-23/0952
 Back-Sheet By / Date / Time AAM/7-14-23/1021
 Temperature Method Temp Gun # 5
 Temp ☒ < 6°C Actual Temperature 4.3°C
 Rush Samples: Yes / ☒ No Notify
 Short Hold: Yes / ☒ No Notify

Notes regarding Samples/COC outside of SOP:

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

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

Additional Container Notes

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

Effective Date: 07/13/2023

[illegible]

August 8, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer St, Frewsburg NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23G2412

Enclosed are results of analyses for samples as received by the laboratory on July 19, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 8/8/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G2412

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

PROJECT LOCATION: 300 Falconer St, Frewsburg NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	23G2412-01	Ground Water		EPA 1664B EPA 200.7 SW-846 8260D	
Treatment Influent	23G2412-02	Ground Water		SW-846 8260D	
Trip Blank	23G2412-03	Trip Blank 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-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:**1,4-Dioxane**

B346734-BSD1

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:**1,4-Dioxane**

23G2412-01[Treatment Effluent], 23G2412-02[Treatment Influent], 23G2412-03[Trip Blank], B346734-BLK1, B346734-BS1, B346734-BSD1, S090950-CCV1

RL-05

Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:

23G2412-02[Treatment 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:**1,2,3-Trichlorobenzene**

23G2412-01[Treatment Effluent], 23G2412-02[Treatment Influent], 23G2412-03[Trip Blank], B346734-BLK1, B346734-BS1, B346734-BSD1, S090950-CCV1

1,2,4-Trichlorobenzene

23G2412-01[Treatment Effluent], 23G2412-02[Treatment Influent], 23G2412-03[Trip Blank], B346734-BLK1, B346734-BS1, B346734-BSD1, S090950-CCV1

Carbon Tetrachloride

23G2412-01[Treatment Effluent], 23G2412-02[Treatment Influent], 23G2412-03[Trip Blank], B346734-BLK1, B346734-BS1, B346734-BSD1, S090950-CCV1

V-20

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

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

B346734-BS1, B346734-BSD1, S090950-CCV1

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

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



Lisa A. Worthington
Technical Representative

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

Project Location: 300 Falconer St, Frewsburg NY

Sample Description:

Work Order: 23G2412

Date Received: 7/19/2023

Field Sample #: Treatment Effluent

Sampled: 7/18/2023 10:15

Sample ID: 23G2412-01

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	4.3	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
cis-1,2-Dichloroethylene	0.78	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/23/23 10:37	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
1,4-Dioxane	ND	50	18	µg/L	1	R-05	SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Methylene Chloride	0.30	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/23/23 10:37	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/23/23 10:37	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/23/23 10:37	EEH

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

Project Location: 300 Falconer St, Frewsburg NY

Sample Description:

Work Order: 23G2412

Date Received: 7/19/2023

Field Sample #: Treatment Effluent

Sampled: 7/18/2023 10:15

Sample ID: 23G2412-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Trichloroethylene	0.53	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/21/23	7/23/23 10:37	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.1	70-130	
Toluene-d8	97.3	70-130	
4-Bromofluorobenzene	83.8	70-130	

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

Project Location: 300 Falconer St, Frewsburg NY

Sample Description:

Work Order: 23G2412

Date Received: 7/19/2023

Field Sample #: Treatment Effluent

Sampled: 7/18/2023 10:15

Sample ID: 23G2412-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.045	mg/L	1		EPA 200.7	7/20/23	7/26/23 20:50	MJH
Iron	3.2	0.050	0.047	mg/L	1		EPA 200.7	7/20/23	7/28/23 15:16	HNN
Zinc	0.024	0.010	0.0047	mg/L	1		EPA 200.7	7/20/23	7/26/23 20:50	MJH

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

Project Location: 300 Falconer St, Frewsburg NY

Sample Description:

Work Order: 23G2412

Date Received: 7/19/2023

Field Sample #: Treatment Effluent

Sampled: 7/18/2023 10:15

Sample ID: 23G2412-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Oil & Grease (HEM)	ND	1.4	0.60	mg/L	1		EPA 1664B	8/7/23	8/7/23 11:27	LL

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

Project Location: 300 Falconer St, Frewsburg NY

Sample Description:

Work Order: 23G2412

Date Received: 7/19/2023

Field Sample #: Treatment Influent

Sampled: 7/18/2023 10:20

Sample ID: 23G2412-02

Sample Matrix: Ground Water

Sample Flags: RL-05

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	7/21/23	7/23/23 12:50	EEH
Benzene	ND	100	18	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Bromochloromethane	ND	100	28	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Bromodichloromethane	ND	50	16	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Bromoform	ND	100	41	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Bromomethane	ND	200	130	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
2-Butanone (MEK)	ND	2000	170	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Carbon Disulfide	ND	500	160	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Carbon Tetrachloride	ND	500	16	µg/L	100	V-05	SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Chlorobenzene	ND	100	12	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Chlorodibromomethane	ND	50	20	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Chloroethane	ND	200	34	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Chloroform	ND	200	14	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Chloromethane	ND	200	50	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Cyclohexane	ND	500	180	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	500	85	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
1,2-Dibromoethane (EDB)	ND	50	16	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
1,2-Dichlorobenzene	ND	100	13	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
1,3-Dichlorobenzene	ND	100	14	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
1,4-Dichlorobenzene	ND	100	13	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Dichlorodifluoromethane (Freon 12)	ND	200	16	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
1,1-Dichloroethane	ND	100	14	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
1,2-Dichloroethane	ND	100	30	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
1,1-Dichloroethylene	ND	100	14	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
cis-1,2-Dichloroethylene	1600	100	14	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
trans-1,2-Dichloroethylene	ND	100	17	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
1,2-Dichloropropane	ND	100	19	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
cis-1,3-Dichloropropene	ND	50	16	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
trans-1,3-Dichloropropene	ND	50	14	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
1,4-Dioxane	ND	5000	1800	µg/L	100	R-05	SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Ethylbenzene	ND	100	22	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
2-Hexanone (MBK)	ND	1000	120	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Isopropylbenzene (Cumene)	ND	100	15	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Methyl Acetate	ND	100	61	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Methyl tert-Butyl Ether (MTBE)	ND	100	17	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Methyl Cyclohexane	ND	100	16	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Methylene Chloride	ND	500	18	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
4-Methyl-2-pentanone (MIBK)	ND	1000	130	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Styrene	ND	100	15	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
1,1,2,2-Tetrachloroethane	ND	50	14	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Tetrachloroethylene	ND	100	17	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Toluene	49	100	22	µg/L	100	J	SW-846 8260D	7/21/23	7/23/23 12:50	EEH
1,2,3-Trichlorobenzene	ND	500	34	µg/L	100	V-05	SW-846 8260D	7/21/23	7/23/23 12:50	EEH
1,2,4-Trichlorobenzene	ND	100	30	µg/L	100	V-05	SW-846 8260D	7/21/23	7/23/23 12:50	EEH

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

Project Location: 300 Falconer St, Frewsburg NY

Sample Description:

Work Order: 23G2412

Date Received: 7/19/2023

Field Sample #: Treatment Influent

Sampled: 7/18/2023 10:20

Sample ID: 23G2412-02

Sample Matrix: Ground Water

Sample Flags: RL-05

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	15	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
1,1,2-Trichloroethane	ND	100	19	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Trichloroethylene	2900	100	17	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Trichlorofluoromethane (Freon 11)	ND	200	15	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	100	21	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Vinyl Chloride	140	200	24	µg/L	100	J	SW-846 8260D	7/21/23	7/23/23 12:50	EEH
Xylenes (total)	ND	100	100	µg/L	100		SW-846 8260D	7/21/23	7/23/23 12:50	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	95.7	70-130	
Toluene-d8	97.2	70-130	
4-Bromofluorobenzene	86.0	70-130	

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

Project Location: 300 Falconer St, Frewsburg NY

Sample Description:

Work Order: 23G2412

Date Received: 7/19/2023

Field Sample #: Trip Blank

Sampled: 7/18/2023 00:00

Sample ID: 23G2412-03

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
1,4-Dioxane	ND	50	18	µg/L	1	R-05	SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Methylene Chloride	0.30	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/23/23 4:51	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/23/23 4:51	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/23/23 4:51	EEH

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

Project Location: 300 Falconer St, Frewsburg NY

Sample Description:

Work Order: 23G2412

Date Received: 7/19/2023

Field Sample #: Trip Blank

Sampled: 7/18/2023 00:00

Sample ID: 23G2412-03

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/21/23	7/23/23 4:51	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.7	70-130	
Toluene-d8	97.2	70-130	
4-Bromofluorobenzene	84.4	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
23G2412-01 [Treatment Effluent]	B348199	1000	08/07/23

Prep Method:EPA 200.7 **Analytical Method:**EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2412-01 [Treatment Effluent]	B346520	50.0	50.0	07/20/23

Prep Method:SW-846 5030B **Analytical Method:**SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2412-01 [Treatment Effluent]	B346734	5	5.00	07/21/23
23G2412-02 [Treatment Influent]	B346734	0.05	5.00	07/21/23
23G2412-03 [Trip Blank]	B346734	5	5.00	07/21/23

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346734 - SW-846 5030B										
Blank (B346734-BLK1)				Prepared: 07/21/23 Analyzed: 07/23/23						
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							V-05
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							R-05
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							V-05
1,2,4-Trichlorobenzene	ND	1.0	µg/L							V-05
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
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							

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346734 - SW-846 5030B										
Blank (B346734-BLK1)										
Prepared: 07/21/23 Analyzed: 07/23/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	24.1		µg/L	25.0		96.3	70-130			
Surrogate: Toluene-d8	24.4		µg/L	25.0		97.8	70-130			
Surrogate: 4-Bromofluorobenzene	20.9		µg/L	25.0		83.4	70-130			
LCS (B346734-BS1)										
Prepared: 07/21/23 Analyzed: 07/23/23										
Acetone	82.3	50	µg/L	100		82.3	70-160			†
Benzene	9.95	1.0	µg/L	10.0		99.5	70-130			
Bromochloromethane	10.4	1.0	µg/L	10.0		104	70-130			
Bromodichloromethane	9.72	0.50	µg/L	10.0		97.2	70-130			
Bromoform	8.09	1.0	µg/L	10.0		80.9	70-130			
Bromomethane	11.7	2.0	µg/L	10.0		117	40-160		V-20	†
2-Butanone (MEK)	87.4	20	µg/L	100		87.4	40-160			†
Carbon Disulfide	83.8	5.0	µg/L	100		83.8	70-130			
Carbon Tetrachloride	7.28	5.0	µg/L	10.0		72.8	70-130		V-05	
Chlorobenzene	9.95	1.0	µg/L	10.0		99.5	70-130			
Chlorodibromomethane	9.27	0.50	µg/L	10.0		92.7	70-130			
Chloroethane	8.46	2.0	µg/L	10.0		84.6	70-130			
Chloroform	9.78	2.0	µg/L	10.0		97.8	70-130			
Chloromethane	8.99	2.0	µg/L	10.0		89.9	40-160			†
Cyclohexane	9.05	5.0	µg/L	10.0		90.5	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.62	5.0	µg/L	10.0		76.2	70-130			
1,2-Dibromoethane (EDB)	9.90	0.50	µg/L	10.0		99.0	70-130			
1,2-Dichlorobenzene	9.61	1.0	µg/L	10.0		96.1	70-130			
1,3-Dichlorobenzene	9.48	1.0	µg/L	10.0		94.8	70-130			
1,4-Dichlorobenzene	8.93	1.0	µg/L	10.0		89.3	70-130			
Dichlorodifluoromethane (Freon 12)	7.87	2.0	µg/L	10.0		78.7	40-160			†
1,1-Dichloroethane	9.15	1.0	µg/L	10.0		91.5	70-130			
1,2-Dichloroethane	9.22	1.0	µg/L	10.0		92.2	70-130			
1,1-Dichloroethylene	8.63	1.0	µg/L	10.0		86.3	70-130			
cis-1,2-Dichloroethylene	8.32	1.0	µg/L	10.0		83.2	70-130			
trans-1,2-Dichloroethylene	8.45	1.0	µg/L	10.0		84.5	70-130			
1,2-Dichloropropane	10.2	1.0	µg/L	10.0		102	70-130			
cis-1,3-Dichloropropene	9.25	0.50	µg/L	10.0		92.5	70-130			
trans-1,3-Dichloropropene	9.15	0.50	µg/L	10.0		91.5	70-130			
1,4-Dioxane	75.8	50	µg/L	100		75.8	40-130		R-05	†
Ethylbenzene	8.93	1.0	µg/L	10.0		89.3	70-130			
2-Hexanone (MBK)	86.4	10	µg/L	100		86.4	70-160			†
Isopropylbenzene (Cumene)	8.40	1.0	µg/L	10.0		84.0	70-130			
Methyl Acetate	8.75	1.0	µg/L	10.0		87.5	70-130			
Methyl tert-Butyl Ether (MTBE)	8.41	1.0	µg/L	10.0		84.1	70-130			
Methyl Cyclohexane	9.33	1.0	µg/L	10.0		93.3	70-130			
Methylene Chloride	8.86	5.0	µg/L	10.0		88.6	70-130			
4-Methyl-2-pentanone (MIBK)	87.0	10	µg/L	100		87.0	70-160			†
Styrene	8.42	1.0	µg/L	10.0		84.2	70-130			
1,1,2,2-Tetrachloroethane	8.96	0.50	µg/L	10.0		89.6	70-130			
Tetrachloroethylene	9.76	1.0	µg/L	10.0		97.6	70-130			
Toluene	9.77	1.0	µg/L	10.0		97.7	70-130			
1,2,3-Trichlorobenzene	7.46	5.0	µg/L	10.0		74.6	70-130		V-05	
1,2,4-Trichlorobenzene	7.19	1.0	µg/L	10.0		71.9	70-130		V-05	
1,1,1-Trichloroethane	9.65	1.0	µg/L	10.0		96.5	70-130			

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346734 - SW-846 5030B										
LCS (B346734-BS1)										
Prepared: 07/21/23 Analyzed: 07/23/23										
1,1,2-Trichloroethane	9.98	1.0	µg/L	10.0		99.8	70-130			
Trichloroethylene	9.48	1.0	µg/L	10.0		94.8	70-130			
Trichlorofluoromethane (Freon 11)	8.16	2.0	µg/L	10.0		81.6	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.74	1.0	µg/L	10.0		87.4	70-130			
Vinyl Chloride	9.39	2.0	µg/L	10.0		93.9	40-160			†
m+p Xylene	17.9	2.0	µg/L	20.0		89.4	70-130			
o-Xylene	8.52	1.0	µg/L	10.0		85.2	70-130			
Xylenes (total)	26.4	1.0	µg/L	30.0		88.0	0-200			
Surrogate: 1,2-Dichloroethane-d4	23.7		µg/L	25.0		94.9	70-130			
Surrogate: Toluene-d8	25.6		µg/L	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	22.8		µg/L	25.0		91.1	70-130			
LCS Dup (B346734-BSD1)										
Prepared: 07/21/23 Analyzed: 07/23/23										
Acetone	84.5	50	µg/L	100		84.5	70-160	2.61	25	†
Benzene	10.5	1.0	µg/L	10.0		105	70-130	5.19	25	
Bromochloromethane	10.5	1.0	µg/L	10.0		105	70-130	0.287	25	
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130	5.89	25	
Bromoform	8.25	1.0	µg/L	10.0		82.5	70-130	1.96	25	
Bromomethane	12.0	2.0	µg/L	10.0		120	40-160	2.11	25	V-20 †
2-Butanone (MEK)	94.2	20	µg/L	100		94.2	40-160	7.57	25	†
Carbon Disulfide	91.0	5.0	µg/L	100		91.0	70-130	8.32	25	
Carbon Tetrachloride	8.03	5.0	µg/L	10.0		80.3	70-130	9.80	25	V-05
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	5.85	25	
Chlorodibromomethane	9.65	0.50	µg/L	10.0		96.5	70-130	4.02	25	
Chloroethane	9.18	2.0	µg/L	10.0		91.8	70-130	8.16	25	
Chloroform	9.73	2.0	µg/L	10.0		97.3	70-130	0.513	25	
Chloromethane	9.78	2.0	µg/L	10.0		97.8	40-160	8.42	25	†
Cyclohexane	9.79	5.0	µg/L	10.0		97.9	70-130	7.86	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.36	5.0	µg/L	10.0		83.6	70-130	9.26	25	
1,2-Dibromoethane (EDB)	10.5	0.50	µg/L	10.0		105	70-130	5.60	25	
1,2-Dichlorobenzene	9.79	1.0	µg/L	10.0		97.9	70-130	1.86	25	
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	6.13	25	
1,4-Dichlorobenzene	9.53	1.0	µg/L	10.0		95.3	70-130	6.50	25	
Dichlorodifluoromethane (Freon 12)	8.40	2.0	µg/L	10.0		84.0	40-160	6.52	25	†
1,1-Dichloroethane	9.48	1.0	µg/L	10.0		94.8	70-130	3.54	25	
1,2-Dichloroethane	9.91	1.0	µg/L	10.0		99.1	70-130	7.21	25	
1,1-Dichloroethylene	9.15	1.0	µg/L	10.0		91.5	70-130	5.85	25	
cis-1,2-Dichloroethylene	9.07	1.0	µg/L	10.0		90.7	70-130	8.63	25	
trans-1,2-Dichloroethylene	8.92	1.0	µg/L	10.0		89.2	70-130	5.41	25	
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130	3.95	25	
cis-1,3-Dichloropropene	9.60	0.50	µg/L	10.0		96.0	70-130	3.71	25	
trans-1,3-Dichloropropene	9.41	0.50	µg/L	10.0		94.1	70-130	2.80	25	
1,4-Dioxane	39.2	50	µg/L	100		39.2	* 40-130	63.7	* 50	L-07A, R-05, J † ‡
Ethylbenzene	9.83	1.0	µg/L	10.0		98.3	70-130	9.59	25	
2-Hexanone (MBK)	92.4	10	µg/L	100		92.4	70-160	6.76	25	†
Isopropylbenzene (Cumene)	9.21	1.0	µg/L	10.0		92.1	70-130	9.20	25	
Methyl Acetate	8.82	1.0	µg/L	10.0		88.2	70-130	0.797	25	
Methyl tert-Butyl Ether (MTBE)	8.75	1.0	µg/L	10.0		87.5	70-130	3.96	25	
Methyl Cyclohexane	10.5	1.0	µg/L	10.0		105	70-130	11.6	25	
Methylene Chloride	8.97	5.0	µg/L	10.0		89.7	70-130	1.23	25	
4-Methyl-2-pentanone (MIBK)	92.0	10	µg/L	100		92.0	70-160	5.65	25	†
Styrene	9.16	1.0	µg/L	10.0		91.6	70-130	8.42	25	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346734 - SW-846 5030B										
LCS Dup (B346734-BSD1)										
Prepared: 07/21/23 Analyzed: 07/23/23										
1,1,2,2-Tetrachloroethane	9.47	0.50	µg/L	10.0		94.7	70-130	5.53	25	
Tetrachloroethylene	10.9	1.0	µg/L	10.0		109	70-130	11.2	25	
Toluene	10.6	1.0	µg/L	10.0		106	70-130	7.96	25	
1,2,3-Trichlorobenzene	8.14	5.0	µg/L	10.0		81.4	70-130	8.72	25	V-05
1,2,4-Trichlorobenzene	7.47	1.0	µg/L	10.0		74.7	70-130	3.82	25	V-05
1,1,1-Trichloroethane	9.88	1.0	µg/L	10.0		98.8	70-130	2.36	25	
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130	4.22	25	
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	10.9	25	
Trichlorofluoromethane (Freon 11)	8.89	2.0	µg/L	10.0		88.9	70-130	8.56	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.10	1.0	µg/L	10.0		91.0	70-130	4.04	25	
Vinyl Chloride	10.0	2.0	µg/L	10.0		100	40-160	6.49	25	†
m+p Xylene	19.5	2.0	µg/L	20.0		97.6	70-130	8.83	25	
o-Xylene	9.31	1.0	µg/L	10.0		93.1	70-130	8.86	25	
Xylenes (total)	28.8	1.0	µg/L	30.0		96.1	0-200	8.84		
Surrogate: 1,2-Dichloroethane-d4	23.4		µg/L	25.0		93.5	70-130			
Surrogate: Toluene-d8	25.9		µg/L	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	23.4		µg/L	25.0		93.6	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch B346520 - EPA 200.7								
Blank (B346520-BLK1)				Prepared: 07/20/23 Analyzed: 07/26/23				
Aluminum	ND	0.050	mg/L					
Zinc	ND	0.010	mg/L					
Blank (B346520-BLK2)				Prepared: 07/20/23 Analyzed: 07/28/23				
Iron	ND	0.050	mg/L					
LCS (B346520-BS1)				Prepared: 07/20/23 Analyzed: 07/28/23				
Iron	4.14	0.050	mg/L	4.00	104	85-115		
Zinc	1.03	0.010	mg/L	1.00	103	85-115		
LCS (B346520-BS3)				Prepared: 07/20/23 Analyzed: 07/29/23				
Aluminum	0.500	0.050	mg/L	0.500	100	85-115		
LCS Dup (B346520-BSD1)				Prepared: 07/20/23 Analyzed: 07/28/23				
Iron	3.96	0.050	mg/L	4.00	99.0	85-115	4.50	20
Zinc	1.01	0.010	mg/L	1.00	101	85-115	2.10	20
LCS Dup (B346520-BSD3)				Prepared: 07/20/23 Analyzed: 07/29/23				
Aluminum	0.475	0.050	mg/L	0.500	95.1	85-115	5.12	20

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B348199 - EPA 1664B										
Blank (B348199-BLK1)				Prepared & Analyzed: 08/07/23						
Oil & Grease (HEM)	ND	1.4	mg/L							
Blank (B348199-BLK2)				Prepared & Analyzed: 08/07/23						
Oil & Grease (HEM)	ND	70	mg/L							
LCS (B348199-BS1)				Prepared & Analyzed: 08/07/23						
Oil & Grease (HEM)	17	1.4	mg/L	20.0		85.0	78-114			
LCS (B348199-BS2)				Prepared & Analyzed: 08/07/23						
Oil & Grease (HEM)	820	70	mg/L	1000		82.0	78-114			

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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-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-05	Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
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
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
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

CHAIN OF CUSTODY

**Client: New York State Dept. of
Environmental Conservation**

PAGE 1 OF 1

DEC Site #: 907016

CLIENT/REPORTING INFORMATION	
Groundwater & Environmental Services, Inc.	
415 Lawrence Bell Drive, Williamsville, NY 14221	
Project Manager:	Phone #:
Thomas Palmer	800-287-7857
TPalmer@gesonline.com	fax
GESInbox@GESOnline.com	866-902-2187

PROJECT INFORMATION	
Project Name:	NYSDEC/Frewsburg/NY/FalconerSt/300
Project Address:	300 Falconer Street, Frewsburg, NY
Project PSID #:	

BILLING INFORMATION
DEC Lab Callout ID: 142802
DEC PM: Daminaos Skaros

Invoice Instructions (Project #/ Phase / Task / Altorg)
NYSDEC Site No. 907016
Lab Project Manager: Michel Buttrick

REQUESTED ANALYSIS
(see Test Code sheet)

**LAB USE
ONLY**

Sample(s) Name:

Sampler(s) Name:

number of preserved bottles

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

 Standard 14 Days

1 day RUSH

☐ Other

Laboratory Information

Lab: Pace Analytical Services

Address: 39 Spruce St, East Longmeadow, MA 01028

Phone: 518-608-1036

Lab PM: Michael Buttrick

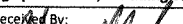
Lab PM Email:

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
- ☐ Commercial 'B' (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C'
- ☐ *NJ Data of Known Quality Protocol Reporting*
- ☐ NYASP Category A
- ☒ NYASP Category B
- ☐ State Forms
- ☐ EDD Format
- ☒ Other NYSDEC EDD for NYSDEC EQUIIS

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/Buffalo/NY/MainSt/2929-2939_LabReport#.30987.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Sampler:	Date / Time:	Received By:	
1. 	1 7/18 1200	1  3.3°C	09: 7-
Relinquished By :	Date / Time:	Received By:	
2.	2	2	
Relinquished By :	Date / Time:	Received By:	
3.	3	3	
Custody Seal Number:	☒ Intact	☐ Preserved where applicable	

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7/18/2023 11:46 AM

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JAMESTOWN, NY

7/18/2023 12:44 PM

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7/19/2023 6:58 AM

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WINDSOR LOCKS, CT

7/19/2023 7:07 AM

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East Longmeadow, MA US

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7/19/2023 at 9:52 AM

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Effective Date: 07/13/2023

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

Short Hold: Yes ☒ No ☐ Notify _____

All Samples Proper pH: N/A ☒ ☐

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

Effective Date: 07/13/2023

[illegible]

August 29, 2023

Thomas Palmer
NYDEC_GES - Pawling, NY
63 East Main Street, Unit 3
Pawling, NY 12564

Project Location: 300 Falconer St., Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23H1798

Enclosed are results of analyses for samples as received by the laboratory on August 10, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Pawling, NY
63 East Main Street, Unit 3
Pawling, NY 12564
ATTN: Thomas Palmer

REPORT DATE: 8/29/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23H1798

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

PROJECT LOCATION: 300 Falconer St., Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	23H1798-01	Ground Water		EPA 1664B EPA 200.7 SW-846 8260D	
Treatment Influent	23H1798-02	Ground Water		SW-846 8260D	
Trip Blank	23H1798-03	Trip Blank Water		SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

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:**Bromochloromethane**B348897-BSD1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:23H1798-02[Treatment 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:**Bromoforn**23H1798-01[Treatment Effluent], 23H1798-02[Treatment Influent], 23H1798-03[Trip Blank], B348897-BLK1, B348897-BS1, B348897-BSD1, S092160-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:**Bromochloromethane**

B348897-BS1, B348897-BSD1, S092160-CCV1

Bromomethane

B348897-BS1, B348897-BSD1, S092160-CCV1

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

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



Lisa A. Worthington

Technical Representative

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

Project Location: 300 Falconer St., Frewsburg, NY

Sample Description:

Work Order: 23H1798

Date Received: 8/10/2023

Field Sample #: Treatment Effluent

Sampled: 8/8/2023 11:15

Sample ID: 23H1798-01

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	6.2	50	2.0	µg/L	1	J	SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
cis-1,2-Dichloroethylene	1.2	1.0	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH

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

Project Location: 300 Falconer St., Frewsburg, NY

Sample Description:

Work Order: 23H1798

Date Received: 8/10/2023

Field Sample #: Treatment Effluent

Sampled: 8/8/2023 11:15

Sample ID: 23H1798-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Trichloroethylene	0.85	1.0	0.17	µg/L	1	J	SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/14/23	8/16/23 15:03	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	116	70-130	
Toluene-d8	98.2	70-130	
4-Bromofluorobenzene	82.1	70-130	

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

Project Location: 300 Falconer St., Frewsburg, NY

Sample Description:

Work Order: 23H1798

Date Received: 8/10/2023

Field Sample #: Treatment Effluent

Sampled: 8/8/2023 11:15

Sample ID: 23H1798-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.031	mg/L	1		EPA 200.7	8/11/23	8/15/23 13:08	HNN
Iron	2.1	0.050	0.047	mg/L	1		EPA 200.7	8/11/23	8/18/23 13:48	NC
Zinc	0.026	0.010	0.0047	mg/L	1		EPA 200.7	8/11/23	8/15/23 13:08	HNN

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

Project Location: 300 Falconer St., Frewsburg, NY

Sample Description:

Work Order: 23H1798

Date Received: 8/10/2023

Field Sample #: Treatment Effluent

Sampled: 8/8/2023 11:15

Sample ID: 23H1798-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Oil & Grease (HEM)	ND	1.4	0.60	mg/L	1		EPA 1664B	8/28/23	8/28/23 12:40	LL

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

Project Location: 300 Falconer St., Frewsburg, NY

Sample Description:

Work Order: 23H1798

Date Received: 8/10/2023

Field Sample #: Treatment Influent

Sampled: 8/8/2023 11:20

Sample ID: 23H1798-02

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	2000	80	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Benzene	ND	40	7.4	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Bromochloromethane	ND	40	11	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Bromodichloromethane	ND	20	6.3	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Bromoform	ND	40	16	µg/L	40	V-05	SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Bromomethane	ND	80	53	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
2-Butanone (MEK)	ND	800	67	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Carbon Disulfide	ND	200	62	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Carbon Tetrachloride	ND	200	6.5	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Chlorobenzene	ND	40	4.8	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Chlorodibromomethane	ND	20	8.0	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Chloroethane	ND	80	14	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Chloroform	ND	80	5.6	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Chloromethane	ND	80	20	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Cyclohexane	ND	200	71	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	200	34	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
1,2-Dibromoethane (EDB)	ND	20	6.4	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
1,2-Dichlorobenzene	ND	40	5.2	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
1,3-Dichlorobenzene	ND	40	5.5	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
1,4-Dichlorobenzene	ND	40	5.1	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Dichlorodifluoromethane (Freon 12)	ND	80	6.4	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
1,1-Dichloroethane	ND	40	5.5	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
1,2-Dichloroethane	ND	40	12	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
1,1-Dichloroethylene	ND	40	5.6	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
cis-1,2-Dichloroethylene	1700	40	5.6	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
trans-1,2-Dichloroethylene	8.0	40	6.9	µg/L	40	J	SW-846 8260D	8/14/23	8/16/23 17:17	EEH
1,2-Dichloropropane	ND	40	7.7	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
cis-1,3-Dichloropropene	ND	20	6.5	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
trans-1,3-Dichloropropene	ND	20	5.7	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
1,4-Dioxane	ND	2000	720	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Ethylbenzene	ND	40	8.8	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
2-Hexanone (MBK)	ND	400	48	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Isopropylbenzene (Cumene)	ND	40	6.0	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Methyl Acetate	ND	40	24	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Methyl tert-Butyl Ether (MTBE)	ND	40	6.8	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Methyl Cyclohexane	ND	40	6.2	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Methylene Chloride	ND	200	7.1	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
4-Methyl-2-pentanone (MIBK)	ND	400	53	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Styrene	ND	40	6.0	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
1,1,2,2-Tetrachloroethane	ND	20	5.5	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Tetrachloroethylene	ND	40	6.7	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Toluene	ND	40	8.9	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
1,2,3-Trichlorobenzene	ND	200	14	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
1,2,4-Trichlorobenzene	ND	40	12	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH

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

Project Location: 300 Falconer St., Frewsburg, NY

Sample Description:

Work Order: 23H1798

Date Received: 8/10/2023

Field Sample #: Treatment Influent

Sampled: 8/8/2023 11:20

Sample ID: 23H1798-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	40	6.0	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
1,1,2-Trichloroethane	ND	40	7.6	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Trichloroethylene	2900	40	7.0	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Trichlorofluoromethane (Freon 11)	ND	80	6.2	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	40	8.3	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Vinyl Chloride	110	80	9.5	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH
Xylenes (total)	ND	40	40	µg/L	40		SW-846 8260D	8/14/23	8/16/23 17:17	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	115	70-130	8/16/23 17:17
Toluene-d8	102	70-130	8/16/23 17:17
4-Bromofluorobenzene	83.0	70-130	8/16/23 17:17

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

Project Location: 300 Falconer St., Frewsburg, NY

Sample Description:

Work Order: 23H1798

Date Received: 8/10/2023

Field Sample #: Trip Blank

Sampled: 8/8/2023 00:00

Sample ID: 23H1798-03

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH

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Project Location: 300 Falconer St., Frewsburg, NY

Sample Description:

Work Order: 23H1798

Date Received: 8/10/2023

Field Sample #: Trip Blank

Sampled: 8/8/2023 00:00

Sample ID: 23H1798-03

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/14/23	8/16/23 13:17	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	112	70-130	
Toluene-d8	100	70-130	
4-Bromofluorobenzene	83.6	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
23H1798-01 [Treatment Effluent]	B350282	1000	08/28/23

Prep Method:EPA 200.7 **Analytical Method:**EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23H1798-01 [Treatment Effluent]	B348765	50.0	50.0	08/11/23

Prep Method:SW-846 5030B **Analytical Method:**SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23H1798-01 [Treatment Effluent]	B348897	5	5.00	08/14/23
23H1798-02 [Treatment Influent]	B348897	0.125	5.00	08/14/23
23H1798-03 [Trip Blank]	B348897	5	5.00	08/14/23

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

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

Batch B348897 - SW-846 5030B
Blank (B348897-BLK1)

Prepared: 08/14/23 Analyzed: 08/16/23

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							V-05
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 B348897 - SW-846 5030B										
Blank (B348897-BLK1)										
Prepared: 08/14/23 Analyzed: 08/16/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	26.2		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	20.2		µg/L	25.0		81.0	70-130			
LCS (B348897-BS1)										
Prepared: 08/14/23 Analyzed: 08/16/23										
Acetone	110	50	µg/L	100		110	70-160			†
Benzene	11.4	1.0	µg/L	10.0		114	70-130			
Bromochloromethane	12.7	1.0	µg/L	10.0		127	70-130			V-20
Bromodichloromethane	10.5	0.50	µg/L	10.0		105	70-130			
Bromoform	7.57	1.0	µg/L	10.0		75.7	70-130			V-05
Bromomethane	13.4	2.0	µg/L	10.0		134	40-160			V-20 †
2-Butanone (MEK)	118	20	µg/L	100		118	40-160			†
Carbon Disulfide	104	5.0	µg/L	100		104	70-130			
Carbon Tetrachloride	8.81	5.0	µg/L	10.0		88.1	70-130			
Chlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
Chlorodibromomethane	9.54	0.50	µg/L	10.0		95.4	70-130			
Chloroethane	10.1	2.0	µg/L	10.0		101	70-130			
Chloroform	10.7	2.0	µg/L	10.0		107	70-130			
Chloromethane	10.9	2.0	µg/L	10.0		109	40-160			†
Cyclohexane	10.6	5.0	µg/L	10.0		106	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.85	5.0	µg/L	10.0		88.5	70-130			
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130			
1,2-Dichlorobenzene	9.98	1.0	µg/L	10.0		99.8	70-130			
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
1,4-Dichlorobenzene	9.13	1.0	µg/L	10.0		91.3	70-130			
Dichlorodifluoromethane (Freon 12)	10.9	2.0	µg/L	10.0		109	40-160			†
1,1-Dichloroethane	11.2	1.0	µg/L	10.0		112	70-130			
1,2-Dichloroethane	9.99	1.0	µg/L	10.0		99.9	70-130			
1,1-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
cis-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130			
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130			
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130			
1,4-Dioxane	84.7	50	µg/L	100		84.7	40-130			†
Ethylbenzene	9.34	1.0	µg/L	10.0		93.4	70-130			
2-Hexanone (MBK)	103	10	µg/L	100		103	70-160			†
Isopropylbenzene (Cumene)	8.56	1.0	µg/L	10.0		85.6	70-130			
Methyl Acetate	10.2	1.0	µg/L	10.0		102	70-130			
Methyl tert-Butyl Ether (MTBE)	9.81	1.0	µg/L	10.0		98.1	70-130			
Methyl Cyclohexane	10.2	1.0	µg/L	10.0		102	70-130			
Methylene Chloride	10.9	5.0	µg/L	10.0		109	70-130			
4-Methyl-2-pentanone (MIBK)	99.8	10	µg/L	100		99.8	70-160			†
Styrene	8.89	1.0	µg/L	10.0		88.9	70-130			
1,1,2,2-Tetrachloroethane	9.68	0.50	µg/L	10.0		96.8	70-130			
Tetrachloroethylene	9.86	1.0	µg/L	10.0		98.6	70-130			
Toluene	10.2	1.0	µg/L	10.0		102	70-130			
1,2,3-Trichlorobenzene	7.88	5.0	µg/L	10.0		78.8	70-130			
1,2,4-Trichlorobenzene	7.47	1.0	µg/L	10.0		74.7	70-130			
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103	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 B348897 - SW-846 5030B										
LCS (B348897-BS1)										
Prepared: 08/14/23 Analyzed: 08/16/23										
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
Trichloroethylene	9.99	1.0	µg/L	10.0		99.9	70-130			
Trichlorofluoromethane (Freon 11)	9.89	2.0	µg/L	10.0		98.9	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130			
Vinyl Chloride	11.6	2.0	µg/L	10.0		116	40-160			†
m+p Xylene	18.4	2.0	µg/L	20.0		92.1	70-130			
o-Xylene	8.76	1.0	µg/L	10.0		87.6	70-130			
Xylenes (total)	27.2	1.0	µg/L	30.0		90.6	0-200			
Surrogate: 1,2-Dichloroethane-d4	27.8		µg/L	25.0		111	70-130			
Surrogate: Toluene-d8	26.1		µg/L	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	23.0		µg/L	25.0		92.2	70-130			
LCS Dup (B348897-BSD1)										
Prepared: 08/14/23 Analyzed: 08/16/23										
Acetone	113	50	µg/L	100		113	70-160	2.18	25	†
Benzene	11.3	1.0	µg/L	10.0		113	70-130	0.707	25	
Bromochloromethane	13.2	1.0	µg/L	10.0		132	* 70-130	3.32	25	L-07, V-20
Bromodichloromethane	10.4	0.50	µg/L	10.0		104	70-130	0.479	25	
Bromoform	7.70	1.0	µg/L	10.0		77.0	70-130	1.70	25	V-05
Bromomethane	13.2	2.0	µg/L	10.0		132	40-160	0.977	25	V-20 †
2-Butanone (MEK)	125	20	µg/L	100		125	40-160	5.27	25	†
Carbon Disulfide	103	5.0	µg/L	100		103	70-130	0.376	25	
Carbon Tetrachloride	8.81	5.0	µg/L	10.0		88.1	70-130	0.00	25	
Chlorobenzene	9.94	1.0	µg/L	10.0		99.4	70-130	1.60	25	
Chlorodibromomethane	9.52	0.50	µg/L	10.0		95.2	70-130	0.210	25	
Chloroethane	10.0	2.0	µg/L	10.0		100	70-130	0.398	25	
Chloroform	10.7	2.0	µg/L	10.0		107	70-130	0.00	25	
Chloromethane	10.7	2.0	µg/L	10.0		107	40-160	1.67	25	†
Cyclohexane	10.9	5.0	µg/L	10.0		109	70-130	3.16	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.71	5.0	µg/L	10.0		87.1	70-130	1.59	25	
1,2-Dibromoethane (EDB)	10.5	0.50	µg/L	10.0		105	70-130	3.59	25	
1,2-Dichlorobenzene	9.99	1.0	µg/L	10.0		99.9	70-130	0.100	25	
1,3-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	2.06	25	
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	14.0	25	
Dichlorodifluoromethane (Freon 12)	10.9	2.0	µg/L	10.0		109	40-160	0.275	25	†
1,1-Dichloroethane	11.2	1.0	µg/L	10.0		112	70-130	0.00	25	
1,2-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130	2.18	25	
1,1-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	2.27	25	
cis-1,2-Dichloroethylene	11.2	1.0	µg/L	10.0		112	70-130	4.20	25	
trans-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	2.65	25	
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130	0.741	25	
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130	2.71	25	
trans-1,3-Dichloropropene	9.90	0.50	µg/L	10.0		99.0	70-130	3.18	25	
1,4-Dioxane	94.5	50	µg/L	100		94.5	40-130	10.9	50	† ‡
Ethylbenzene	9.62	1.0	µg/L	10.0		96.2	70-130	2.95	25	
2-Hexanone (MBK)	95.2	10	µg/L	100		95.2	70-160	7.70	25	†
Isopropylbenzene (Cumene)	8.82	1.0	µg/L	10.0		88.2	70-130	2.99	25	
Methyl Acetate	10.9	1.0	µg/L	10.0		109	70-130	6.06	25	
Methyl tert-Butyl Ether (MTBE)	10.0	1.0	µg/L	10.0		100	70-130	2.12	25	
Methyl Cyclohexane	10.3	1.0	µg/L	10.0		103	70-130	1.37	25	
Methylene Chloride	11.1	5.0	µg/L	10.0		111	70-130	1.54	25	
4-Methyl-2-pentanone (MIBK)	100	10	µg/L	100		100	70-160	0.210	25	†
Styrene	8.79	1.0	µg/L	10.0		87.9	70-130	1.13	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 Limits	RPD	RPD Limit	Notes
Batch B348897 - SW-846 5030B									
LCS Dup (B348897-BSD1)					Prepared: 08/14/23 Analyzed: 08/16/23				
1,1,2,2-Tetrachloroethane	9.41	0.50	µg/L	10.0		94.1	70-130	2.83	25
Tetrachloroethylene	9.79	1.0	µg/L	10.0		97.9	70-130	0.712	25
Toluene	10.2	1.0	µg/L	10.0		102	70-130	0.391	25
1,2,3-Trichlorobenzene	8.53	5.0	µg/L	10.0		85.3	70-130	7.92	25
1,2,4-Trichlorobenzene	7.89	1.0	µg/L	10.0		78.9	70-130	5.47	25
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130	1.06	25
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	3.52	25
Trichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	3.06	25
Trichlorofluoromethane (Freon 11)	10.0	2.0	µg/L	10.0		100	70-130	1.21	25
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.98	1.0	µg/L	10.0		99.8	70-130	4.70	25
Vinyl Chloride	11.2	2.0	µg/L	10.0		112	40-160	3.42	25 †
m+p Xylene	18.6	2.0	µg/L	20.0		93.2	70-130	1.19	25
o-Xylene	9.05	1.0	µg/L	10.0		90.5	70-130	3.26	25
Xylenes (total)	27.7	1.0	µg/L	30.0		92.3	0-200	1.86	
Surrogate: 1,2-Dichloroethane-d4	27.1		µg/L	25.0		109	70-130		
Surrogate: Toluene-d8	25.7		µg/L	25.0		103	70-130		
Surrogate: 4-Bromofluorobenzene	22.2		µg/L	25.0		89.0	70-130		

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

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch B348765 - EPA 200.7								
Blank (B348765-BLK1)				Prepared: 08/11/23 Analyzed: 08/15/23				
Aluminum	ND	0.050	mg/L					
Zinc	ND	0.010	mg/L					
Blank (B348765-BLK2)				Prepared: 08/11/23 Analyzed: 08/18/23				
Iron	ND	0.050	mg/L					
LCS (B348765-BS1)				Prepared: 08/11/23 Analyzed: 08/15/23				
Aluminum	0.492	0.050	mg/L	0.500		98.3	85-115	
Zinc	1.05	0.010	mg/L	1.00		105	85-115	
LCS (B348765-BS2)				Prepared: 08/11/23 Analyzed: 08/18/23				
Iron	4.08	0.050	mg/L	4.00		102	85-115	
LCS Dup (B348765-BSD1)				Prepared: 08/11/23 Analyzed: 08/15/23				
Aluminum	0.485	0.050	mg/L	0.500		97.1	85-115	1.26
Zinc	1.06	0.010	mg/L	1.00		106	85-115	0.484
LCS Dup (B348765-BSD2)				Prepared: 08/11/23 Analyzed: 08/18/23				
Iron	4.15	0.050	mg/L	4.00		104	85-115	1.49

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

QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B350282 - EPA 1664B										
Blank (B350282-BLK1)				Prepared & Analyzed: 08/28/23						
Oil & Grease (HEM)	ND	1.4	mg/L							
Blank (B350282-BLK2)				Prepared & Analyzed: 08/28/23						
Oil & Grease (HEM)	ND	56	mg/L							
LCS (B350282-BS1)				Prepared & Analyzed: 08/28/23						
Oil & Grease (HEM)	17	1.4	mg/L	20.0		85.5	78-114			
LCS (B350282-BS2)				Prepared & Analyzed: 08/28/23						
Oil & Grease (HEM)	700	56	mg/L	800		87.0	78-114			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**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.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
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
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
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

CHAIN OF CUSTODY

**Client: New York State Dept. of
Environmental Conservation**

DEC Site #: 907016

PAGE 1 OF

FED-EX Tracking #

Bottle Order Control #

Lab Quote #

Lab Job #	

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

☒ Standard 14 Days

1 day RUSH

Other _____

Laboratory Information

Lab: Pace Analytical Services

Address: 39 Spruce St, East Longmeadow, MA 01028

Phone: 518-608-1036

Lab PM: Michael Buttrick

Lab PM Email:

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + QC Summary

FULLT1 (Level 3 & 4)

NJ Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

NJ Data of Known Quality Protocol Reporting

NYASP Category A

 **NYASP Category B**

State Forms

EDD Format

☒ Other NYSDEC EDD FOR NYSDEC EQUIS

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By: Sampler	Date / Time:	Received By:	
1 <i>[Signature]</i>	1 <i>8/8 16:30</i>	1 <i>[Signature]</i>	
Relinquished By:	Date / Time:	Received By:	
2 <i>[Signature]</i>	2 <i>8/8 16:30</i>	2 <i>[Signature]</i>	
Relinquished By:	Date / Time:	Received By:	
3	3	3 <i>[Signature]</i>	
Custody Seal Number:	Intact	Preserved where applicable	

8/10 1358

	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client New York State Dept. of Conservation ^{Environmental}

Project MSDEC/Frensburg NY/Falconer St/300

MCP/RCP Required MSDEC EDD for MSDEC EQUIS

Deliverable Package Requirement NYASP Category B

Location 300 Falconer Street, Frensburg NY

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time MEM 8/10/23 1358

Back-Sheet By / Date / Time STM 8/10/23 1904

Temperature Method Gun # 5

Temp X < 6° C Actual Temperature 1.1

Rush Samples: Yes / ☒ No Notify

Short Hold: Yes / ☒ No Notify

Notes regarding Samples/COC outside of SOP:

* Alpha courier did not
relinquish COC

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

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

Additional Container Notes

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



Effective Date: 07/13/2023

[illegible]

September 27, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23I0932

Enclosed are results of analyses for samples as received by the laboratory on September 8, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 9/27/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 2310932

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

PROJECT LOCATION: 300 Falconer Street, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	2310932-01	Ground Water		EPA 1664B EPA 200.7 SW-846 8260D	
Treatment Influent	2310932-02	Ground Water		SW-846 8260D	
Trip Blank	2310932-03	Trip Blank Water		SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

SW-846 8260D**Qualifications:**

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

2310932-02[Treatment 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:**Vinyl Chloride**

2310932-02[Treatment Influent], B351657-BS1, B351657-BSD1, S093297-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:**Bromochloromethane**

B351657-BS1, B351657-BSD1, S093297-CCV1

Chloromethane

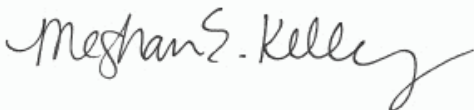
B351657-BS1, B351657-BSD1, S093297-CCV1

Dichlorodifluoromethane (Freon 12)

B351657-BS1, B351657-BSD1, S093297-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

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 2310932

Date Received: 9/8/2023

Field Sample #: Treatment Effluent

Sampled: 9/6/2023 12:30

Sample ID: 2310932-01

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	6.1	50	2.0	µg/L	1	J	SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
cis-1,2-Dichloroethylene	1.0	1.0	0.14	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23I0932

Date Received: 9/8/2023

Field Sample #: Treatment Effluent

Sampled: 9/6/2023 12:30

Sample ID: 23I0932-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Trichloroethylene	0.53	1.0	0.17	µg/L	1	J	SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/12/23	9/12/23 17:08	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	106	70-130	
Toluene-d8	103	70-130	
4-Bromofluorobenzene	78.6	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23I0932

Date Received: 9/8/2023

Field Sample #: Treatment Effluent

Sampled: 9/6/2023 12:30

Sample ID: 23I0932-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.031	mg/L	1		EPA 200.7	9/9/23	9/12/23 12:59	MJH
Iron	3.5	0.050	0.034	mg/L	1		EPA 200.7	9/9/23	9/12/23 12:59	MJH
Zinc	0.16	0.010	0.0047	mg/L	1		EPA 200.7	9/9/23	9/12/23 12:59	MJH

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23I0932

Date Received: 9/8/2023

Field Sample #: Treatment Effluent

Sampled: 9/6/2023 12:30

Sample ID: 23I0932-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Oil & Grease (HEM)	ND	1.4	0.60	mg/L	1		EPA 1664B	9/25/23	9/25/23 12:10	LL

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 2310932

Date Received: 9/8/2023

Field Sample #: Treatment Influent

Sampled: 9/6/2023 12:40

Sample ID: 2310932-02

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	120	2500	100	µg/L	50	J	SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Benzene	ND	50	9.2	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Bromochloromethane	ND	50	14	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Bromodichloromethane	ND	25	7.9	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Bromoform	ND	50	20	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Bromomethane	ND	100	66	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
2-Butanone (MEK)	110	1000	84	µg/L	50	J	SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Carbon Disulfide	ND	250	78	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Carbon Tetrachloride	ND	250	8.2	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Chlorobenzene	ND	50	5.9	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Chlorodibromomethane	ND	25	10	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Chloroethane	ND	100	17	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Chloroform	ND	100	7.0	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Chloromethane	ND	100	25	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Cyclohexane	ND	250	88	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	43	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
1,2-Dibromoethane (EDB)	ND	25	8.0	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
1,2-Dichlorobenzene	ND	50	6.5	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
1,3-Dichlorobenzene	ND	50	6.8	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
1,4-Dichlorobenzene	ND	50	6.4	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Dichlorodifluoromethane (Freon 12)	ND	100	8.0	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
1,1-Dichloroethane	ND	50	6.8	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
1,2-Dichloroethane	ND	50	15	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
1,1-Dichloroethylene	8.0	50	7.0	µg/L	50	J	SW-846 8260D	9/12/23	9/12/23 18:55	MFF
cis-1,2-Dichloroethylene	2600	50	7.0	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
trans-1,2-Dichloroethylene	ND	50	8.6	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
1,2-Dichloropropane	ND	50	9.7	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
cis-1,3-Dichloropropene	ND	25	8.2	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
trans-1,3-Dichloropropene	ND	25	7.1	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
1,4-Dioxane	ND	2500	900	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Ethylbenzene	ND	50	11	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
2-Hexanone (MBK)	ND	500	60	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Isopropylbenzene (Cumene)	ND	50	7.6	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Methyl Acetate	ND	50	30	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Methyl tert-Butyl Ether (MTBE)	ND	50	8.5	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Methyl Cyclohexane	ND	50	7.8	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Methylene Chloride	ND	250	8.8	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
4-Methyl-2-pentanone (MIBK)	ND	500	66	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Styrene	ND	50	7.5	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
1,1,2,2-Tetrachloroethane	ND	25	6.8	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Tetrachloroethylene	ND	50	8.4	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Toluene	ND	50	11	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
1,2,3-Trichlorobenzene	ND	250	17	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
1,2,4-Trichlorobenzene	ND	50	15	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23I0932

Date Received: 9/8/2023

Field Sample #: Treatment Influent

Sampled: 9/6/2023 12:40

Sample ID: 23I0932-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	50	7.5	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
1,1,2-Trichloroethane	ND	50	9.6	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Trichloroethylene	2500	50	8.7	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Trichlorofluoromethane (Freon 11)	ND	100	7.7	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	50	10	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Vinyl Chloride	150	100	12	µg/L	50	V-06	SW-846 8260D	9/12/23	9/12/23 18:55	MFF
Xylenes (total)	ND	50	50	µg/L	50		SW-846 8260D	9/12/23	9/12/23 18:55	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	94.9	70-130	
4-Bromofluorobenzene	80.1	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 2310932

Date Received: 9/8/2023

Field Sample #: Trip Blank

Sampled: 9/6/2023 00:00

Sample ID: 2310932-03

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 2310932

Date Received: 9/8/2023

Field Sample #: Trip Blank

Sampled: 9/6/2023 00:00

Sample ID: 2310932-03

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/12/23	9/12/23 11:49	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	101	70-130	
Toluene-d8	94.6	70-130	
4-Bromofluorobenzene	84.8	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
23I0932-01 [Treatment Effluent]	B352870	1000	09/25/23

Prep Method:EPA 200.7 **Analytical Method:**EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23I0932-01 [Treatment Effluent]	B351504	50.0	50.0	09/09/23

Prep Method:SW-846 5030B **Analytical Method:**SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23I0932-01 [Treatment Effluent]	B351657	5	5.00	09/12/23
23I0932-02 [Treatment Influent]	B351657	0.1	5.00	09/12/23
23I0932-03 [Trip Blank]	B351657	5	5.00	09/12/23

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

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

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

Batch B351657 - SW-846 5030B
Blank (B351657-BLK1)

Prepared & Analyzed: 09/12/23

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
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							

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B351657 - SW-846 5030B										
Blank (B351657-BLK1)										
Prepared & Analyzed: 09/12/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	26.1		µg/L	25.0		104	70-130			
Surrogate: Toluene-d8	23.9		µg/L	25.0		95.4	70-130			
Surrogate: 4-Bromofluorobenzene	21.4		µg/L	25.0		85.5	70-130			
LCS (B351657-BS1)										
Prepared & Analyzed: 09/12/23										
Acetone	95.1	50	µg/L	100		95.1	70-160			†
Benzene	11.3	1.0	µg/L	10.0		113	70-130			
Bromochloromethane	11.6	1.0	µg/L	10.0		116	70-130			V-20
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130			
Bromoform	7.86	1.0	µg/L	10.0		78.6	70-130			
Bromomethane	11.6	2.0	µg/L	10.0		116	40-160			†
2-Butanone (MEK)	103	20	µg/L	100		103	40-160			†
Carbon Disulfide	104	5.0	µg/L	100		104	70-130			
Carbon Tetrachloride	10.4	5.0	µg/L	10.0		104	70-130			
Chlorobenzene	9.99	1.0	µg/L	10.0		99.9	70-130			
Chlorodibromomethane	9.79	0.50	µg/L	10.0		97.9	70-130			
Chloroethane	10.1	2.0	µg/L	10.0		101	70-130			
Chloroform	10.5	2.0	µg/L	10.0		105	70-130			
Chloromethane	12.5	2.0	µg/L	10.0		125	40-160			V-20 †
Cyclohexane	10.7	5.0	µg/L	10.0		107	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.65	5.0	µg/L	10.0		86.5	70-130			
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130			
1,2-Dichlorobenzene	9.93	1.0	µg/L	10.0		99.3	70-130			
1,3-Dichlorobenzene	9.79	1.0	µg/L	10.0		97.9	70-130			
1,4-Dichlorobenzene	9.85	1.0	µg/L	10.0		98.5	70-130			
Dichlorodifluoromethane (Freon 12)	12.1	2.0	µg/L	10.0		121	40-160			V-20 †
1,1-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130			
1,2-Dichloroethane	9.90	1.0	µg/L	10.0		99.0	70-130			
1,1-Dichloroethylene	9.95	1.0	µg/L	10.0		99.5	70-130			
cis-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130			
trans-1,2-Dichloroethylene	9.54	1.0	µg/L	10.0		95.4	70-130			
1,2-Dichloropropane	10.9	1.0	µg/L	10.0		109	70-130			
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130			
trans-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130			
1,4-Dioxane	77.9	50	µg/L	100		77.9	40-130			†
Ethylbenzene	9.38	1.0	µg/L	10.0		93.8	70-130			
2-Hexanone (MBK)	89.2	10	µg/L	100		89.2	70-160			†
Isopropylbenzene (Cumene)	8.86	1.0	µg/L	10.0		88.6	70-130			
Methyl Acetate	9.13	1.0	µg/L	10.0		91.3	70-130			
Methyl tert-Butyl Ether (MTBE)	9.37	1.0	µg/L	10.0		93.7	70-130			
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130			
Methylene Chloride	9.90	5.0	µg/L	10.0		99.0	70-130			
4-Methyl-2-pentanone (MIBK)	90.8	10	µg/L	100		90.8	70-160			†
Styrene	9.29	1.0	µg/L	10.0		92.9	70-130			
1,1,2,2-Tetrachloroethane	9.51	0.50	µg/L	10.0		95.1	70-130			
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Toluene	10.5	1.0	µg/L	10.0		105	70-130			
1,2,3-Trichlorobenzene	7.85	5.0	µg/L	10.0		78.5	70-130			
1,2,4-Trichlorobenzene	7.35	1.0	µg/L	10.0		73.5	70-130			
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	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 B351657 - SW-846 5030B										
LCS (B351657-BS1)										
Prepared & Analyzed: 09/12/23										
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
Trichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Trichlorofluoromethane (Freon 11)	10.1	2.0	µg/L	10.0		101	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6	1.0	µg/L	10.0		106	70-130			
Vinyl Chloride	12.6	2.0	µg/L	10.0		126	40-160			V-06 †
m+p Xylene	19.3	2.0	µg/L	20.0		96.4	70-130			
o-Xylene	9.03	1.0	µg/L	10.0		90.3	70-130			
Xylenes (total)	28.3	1.0	µg/L	30.0		94.4	0-200			
Surrogate: 1,2-Dichloroethane-d4	25.6		µg/L	25.0		102	70-130			
Surrogate: Toluene-d8	26.2		µg/L	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	23.5		µg/L	25.0		94.1	70-130			
LCS Dup (B351657-BSD1)										
Prepared & Analyzed: 09/12/23										
Acetone	97.6	50	µg/L	100		97.6	70-160	2.62	25	†
Benzene	11.4	1.0	µg/L	10.0		114	70-130	0.883	25	
Bromochloromethane	11.6	1.0	µg/L	10.0		116	70-130	0.0865	25	V-20
Bromodichloromethane	10.7	0.50	µg/L	10.0		107	70-130	0.749	25	
Bromoform	8.01	1.0	µg/L	10.0		80.1	70-130	1.89	25	
Bromomethane	11.6	2.0	µg/L	10.0		116	40-160	0.430	25	†
2-Butanone (MEK)	103	20	µg/L	100		103	40-160	0.534	25	†
Carbon Disulfide	104	5.0	µg/L	100		104	70-130	0.336	25	
Carbon Tetrachloride	10.3	5.0	µg/L	10.0		103	70-130	0.677	25	
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	2.47	25	
Chlorodibromomethane	9.99	0.50	µg/L	10.0		99.9	70-130	2.02	25	
Chloroethane	10.3	2.0	µg/L	10.0		103	70-130	1.67	25	
Chloroform	10.7	2.0	µg/L	10.0		107	70-130	2.07	25	
Chloromethane	12.7	2.0	µg/L	10.0		127	40-160	1.90	25	V-20 †
Cyclohexane	10.7	5.0	µg/L	10.0		107	70-130	0.561	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.79	5.0	µg/L	10.0		87.9	70-130	1.61	25	
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130	6.52	25	
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	1.40	25	
1,3-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	5.37	25	
1,4-Dichlorobenzene	9.85	1.0	µg/L	10.0		98.5	70-130	0.00	25	
Dichlorodifluoromethane (Freon 12)	12.0	2.0	µg/L	10.0		120	40-160	0.749	25	V-20 †
1,1-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130	1.65	25	
1,2-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130	5.21	25	
1,1-Dichloroethylene	9.78	1.0	µg/L	10.0		97.8	70-130	1.72	25	
cis-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	0.498	25	
trans-1,2-Dichloroethylene	9.67	1.0	µg/L	10.0		96.7	70-130	1.35	25	
1,2-Dichloropropane	11.4	1.0	µg/L	10.0		114	70-130	4.40	25	
cis-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130	2.08	25	
trans-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130	1.34	25	
1,4-Dioxane	75.4	50	µg/L	100		75.4	40-130	3.31	50	† ‡
Ethylbenzene	9.64	1.0	µg/L	10.0		96.4	70-130	2.73	25	
2-Hexanone (MBK)	89.9	10	µg/L	100		89.9	70-160	0.771	25	†
Isopropylbenzene (Cumene)	8.87	1.0	µg/L	10.0		88.7	70-130	0.113	25	
Methyl Acetate	9.08	1.0	µg/L	10.0		90.8	70-130	0.549	25	
Methyl tert-Butyl Ether (MTBE)	9.45	1.0	µg/L	10.0		94.5	70-130	0.850	25	
Methyl Cyclohexane	10.8	1.0	µg/L	10.0		108	70-130	2.06	25	
Methylene Chloride	9.97	5.0	µg/L	10.0		99.7	70-130	0.705	25	
4-Methyl-2-pentanone (MIBK)	93.1	10	µg/L	100		93.1	70-160	2.50	25	†
Styrene	9.30	1.0	µg/L	10.0		93.0	70-130	0.108	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 B351657 - SW-846 5030B										
LCS Dup (B351657-BSD1)				Prepared & Analyzed: 09/12/23						
1,1,2,2-Tetrachloroethane	9.56	0.50	µg/L	10.0		95.6	70-130	0.524	25	
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130	0.387	25	
Toluene	10.8	1.0	µg/L	10.0		108	70-130	3.19	25	
1,2,3-Trichlorobenzene	7.93	5.0	µg/L	10.0		79.3	70-130	1.01	25	
1,2,4-Trichlorobenzene	7.34	1.0	µg/L	10.0		73.4	70-130	0.136	25	
1,1,1-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	4.39	25	
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130	3.65	25	
Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	1.16	25	
Trichlorofluoromethane (Freon 11)	9.99	2.0	µg/L	10.0		99.9	70-130	1.39	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7	1.0	µg/L	10.0		107	70-130	1.12	25	
Vinyl Chloride	12.7	2.0	µg/L	10.0		127	40-160	0.952	25	V-06 †
m+p Xylene	19.2	2.0	µg/L	20.0		96.2	70-130	0.156	25	
o-Xylene	9.12	1.0	µg/L	10.0		91.2	70-130	0.992	25	
Xylenes (total)	28.4	1.0	µg/L	30.0		94.6	0-200	0.212		
Surrogate: 1,2-Dichloroethane-d4	26.3		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	26.8		µg/L	25.0		107	70-130			
Surrogate: 4-Bromofluorobenzene	23.2		µg/L	25.0		92.9	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch B351504 - EPA 200.7								
Blank (B351504-BLK1)				Prepared: 09/09/23 Analyzed: 09/12/23				
Aluminum	ND	0.050	mg/L					
Zinc	ND	0.010	mg/L					
Blank (B351504-BLK2)				Prepared: 09/09/23 Analyzed: 09/12/23				
Iron	ND	0.050	mg/L					
LCS (B351504-BS1)				Prepared: 09/09/23 Analyzed: 09/12/23				
Aluminum	0.493	0.050	mg/L	0.500		98.6	85-115	
Zinc	1.09	0.010	mg/L	1.00		109	85-115	
LCS (B351504-BS2)				Prepared: 09/09/23 Analyzed: 09/12/23				
Iron	4.18	0.050	mg/L	4.00		105	85-115	
LCS Dup (B351504-BSD1)				Prepared: 09/09/23 Analyzed: 09/12/23				
Aluminum	0.493	0.050	mg/L	0.500		98.5	85-115	0.115 20
Zinc	1.09	0.010	mg/L	1.00		109	85-115	0.757 20
LCS Dup (B351504-BSD2)				Prepared: 09/09/23 Analyzed: 09/12/23				
Iron	4.23	0.050	mg/L	4.00		106	85-115	1.21 20

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B352870 - EPA 1664B										
Blank (B352870-BLK1)				Prepared & Analyzed: 09/25/23						
Oil & Grease (HEM)	ND	1.4	mg/L							
Blank (B352870-BLK2)				Prepared & Analyzed: 09/25/23						
Oil & Grease (HEM)	ND	56	mg/L							
LCS (B352870-BS1)				Prepared & Analyzed: 09/25/23						
Oil & Grease (HEM)	16	1.4	mg/L	20.0		78.5	78-114			
LCS (B352870-BS2)				Prepared & Analyzed: 09/25/23						
Oil & Grease (HEM)	680	56	mg/L	800		85.0	78-114			
MRL Check (B352870-MRL1)				Prepared & Analyzed: 09/25/23						
Oil & Grease (HEM)	1.50	1.4	mg/L	1.40		107	0-200			

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

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-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
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

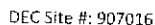
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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
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
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
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023



**Client: New York State Dept. of
Environmental Conservation**

2350932

PAGE OF

FED-EX Tracking #

Bottle Order Control #

Lab Quote #

Lab Job #	

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

☒ Standard 14 Days

1 day RUSH

☐ Other

Laboratory Information

Lab: Pace Analytical Services

Address: 39 Spruce St, East Longmeadow, MA 01028

Phone: 518-608-1036

Lab PM: Michael Buttrick

Lab PM Email:

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + QC Summary

☐ FULLT1 (Level 3 & 4)

NI Reduced = Results + QC Summary + Partial Raw Data

☐ Commercial 'C'

☐ NI Data of Known Quality Protocol Reporting

NYASP Category A

 NYASP Category B

State Forms

EDD Format

☒ Other NYSDEC EDD FOR NYSDEC EQUIS

Sample Custody must be documented below each time samples change possession, including courier.				
Relinquished By Sampler:	Date / Time:	Received By:		
1 Bahara Dely	1 9/6/23 13:20	1 GES Fridge		
Relinquished By:	Date / Time:	Received By:		
2 Bahara Dely	2 9/7/23 11:20	2 Jaceum Fley	9/7/23	11:20
Relinquished By:	Date / Time:	Received By:		
3 Jaceum Fley (AAL)	3 9/7/23 11:25	3 MCM 2.1	9/8/23	
Custody Seal Number:	☒ Intact ☐ Preserved where applicable			

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Table of Contents



DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

Sample	Soils Jars				Ambers				Plastics								VOA Vials				Other / Fill in									
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCL	Unpreserved	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	Ammonium Acetate	NaOH/Zinc	Unpreserved	HCL	MeOH	D.I. Water	BiSulfate	Col/Bact				
1																														
2																														
3																														
4																														
5																														
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19																														
20																														

Data Package



ANALYTICAL. LIFE. SERVICE.

October 20, 2023

Thomas Palmer
NYDEC_GES - Pawling, NY
63 East Main Street, Unit 3
Pawling, NY 12564

Project Location: 300 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23J1929

Enclosed are results of analyses for samples as received by the laboratory on October 13, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Pawling, NY
63 East Main Street, Unit 3
Pawling, NY 12564
ATTN: Thomas Palmer

REPORT DATE: 10/20/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23J1929

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

PROJECT LOCATION: 300 Falconer Street, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	23J1929-01	Ground Water		EPA 1664B EPA 200.7 SW-846 8260D	
Treatment Influent	23J1929-02	Ground Water		SW-846 8260D	
Trip Blank	23J1929-03	Trip Blank Water		SW-846 8260D	

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

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

SW-846 8260D**Qualifications:**

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23J1929-02[Treatment Influent]

V-05

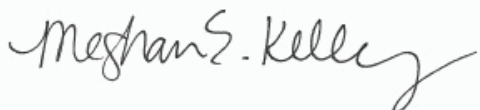
Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

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

23J1929-01[Treatment Effluent], 23J1929-02[Treatment Influent], 23J1929-03[Trip Blank], B355104-BLK1, B355104-BS1, B355104-BSD1, S094923-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

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23J1929

Date Received: 10/13/2023

Field Sample #: Treatment Effluent

Sampled: 10/12/2023 09:15

Sample ID: 23J1929-01

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	5.9	50	2.0	µg/L	1	J	SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
cis-1,2-Dichloroethylene	1.5	1.0	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23J1929

Date Received: 10/13/2023

Field Sample #: Treatment Effluent

Sampled: 10/12/2023 09:15

Sample ID: 23J1929-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Trichloroethylene	1.1	1.0	0.17	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:20	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	102	70-130	
Toluene-d8	97.4	70-130	
4-Bromofluorobenzene	90.0	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23J1929

Date Received: 10/13/2023

Field Sample #: Treatment Effluent

Sampled: 10/12/2023 09:15

Sample ID: 23J1929-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.031	mg/L	1		EPA 200.7	10/16/23	10/18/23 16:29	ATP
Iron	1.6	0.050	0.034	mg/L	1		EPA 200.7	10/16/23	10/18/23 16:29	ATP
Zinc	0.035	0.010	0.0047	mg/L	1		EPA 200.7	10/16/23	10/18/23 16:29	ATP

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23J1929

Date Received: 10/13/2023

Field Sample #: Treatment Effluent

Sampled: 10/12/2023 09:15

Sample ID: 23J1929-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Oil & Grease (HEM)	ND	1.4	0.60	mg/L	1		EPA 1664B	10/18/23	10/18/23 11:57	LL

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23J1929

Date Received: 10/13/2023

Field Sample #: Treatment Influent

Sampled: 10/12/2023 09:20

Sample ID: 23J1929-02

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	2000	80	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Benzene	ND	40	7.4	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Bromochloromethane	ND	40	11	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Bromodichloromethane	ND	20	6.3	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Bromoform	ND	40	16	µg/L	40	V-05	SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Bromomethane	ND	80	53	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
2-Butanone (MEK)	ND	800	67	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Carbon Disulfide	ND	200	62	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Carbon Tetrachloride	ND	200	6.5	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Chlorobenzene	ND	40	4.8	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Chlorodibromomethane	ND	20	8.0	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Chloroethane	ND	80	14	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Chloroform	ND	80	5.6	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Chloromethane	ND	80	20	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Cyclohexane	ND	200	71	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	200	34	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
1,2-Dibromoethane (EDB)	ND	20	6.4	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
1,2-Dichlorobenzene	ND	40	5.2	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
1,3-Dichlorobenzene	ND	40	5.5	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
1,4-Dichlorobenzene	ND	40	5.1	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	80	6.4	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
1,1-Dichloroethane	ND	40	5.5	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
1,2-Dichloroethane	ND	40	12	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
1,1-Dichloroethylene	ND	40	5.6	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
cis-1,2-Dichloroethylene	3400	40	5.6	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
trans-1,2-Dichloroethylene	12	40	6.9	µg/L	40	J	SW-846 8260D	10/16/23	10/17/23 4:39	MFF
1,2-Dichloropropane	ND	40	7.7	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
cis-1,3-Dichloropropene	ND	20	6.5	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
trans-1,3-Dichloropropene	ND	20	5.7	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
1,4-Dioxane	ND	2000	720	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Ethylbenzene	ND	40	8.8	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
2-Hexanone (MBK)	ND	400	48	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Isopropylbenzene (Cumene)	ND	40	6.0	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Methyl Acetate	ND	40	24	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Methyl tert-Butyl Ether (MTBE)	ND	40	6.8	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Methyl Cyclohexane	ND	40	6.2	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Methylene Chloride	ND	200	7.1	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	400	53	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Styrene	ND	40	6.0	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
1,1,2,2-Tetrachloroethane	ND	20	5.5	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Tetrachloroethylene	ND	40	6.7	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Toluene	ND	40	8.9	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
1,2,3-Trichlorobenzene	ND	200	14	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
1,2,4-Trichlorobenzene	ND	40	12	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23J1929

Date Received: 10/13/2023

Field Sample #: Treatment Influent

Sampled: 10/12/2023 09:20

Sample ID: 23J1929-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	40	6.0	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
1,1,2-Trichloroethane	ND	40	7.6	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Trichloroethylene	3800	40	7.0	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Trichlorofluoromethane (Freon 11)	ND	80	6.2	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	40	8.3	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Vinyl Chloride	180	80	9.5	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF
Xylenes (total)	ND	40	40	µg/L	40		SW-846 8260D	10/16/23	10/17/23 4:39	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	101	70-130	
Toluene-d8	97.5	70-130	
4-Bromofluorobenzene	90.3	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23J1929

Date Received: 10/13/2023

Field Sample #: Trip Blank

Sampled: 10/12/2023 00:00

Sample ID: 23J1929-03

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23J1929

Date Received: 10/13/2023

Field Sample #: Trip Blank

Sampled: 10/12/2023 00:00

Sample ID: 23J1929-03

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/16/23	10/16/23 23:46	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.4	70-130	10/16/23 23:46
Toluene-d8	97.7	70-130	10/16/23 23:46
4-Bromofluorobenzene	89.8	70-130	10/16/23 23:46

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
23J1929-01 [Treatment Effluent]	B355417	1000	10/18/23

Prep Method:EPA 200.7 **Analytical Method:**EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23J1929-01 [Treatment Effluent]	B355241	50.0	50.0	10/16/23

Prep Method:SW-846 5030B **Analytical Method:**SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23J1929-01 [Treatment Effluent]	B355104	5	5.00	10/16/23
23J1929-02 [Treatment Influent]	B355104	0.125	5.00	10/16/23
23J1929-03 [Trip Blank]	B355104	5	5.00	10/16/23

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

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

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

Batch B355104 - SW-846 5030B
Blank (B355104-BLK1)

Prepared: 10/14/23 Analyzed: 10/16/23

Acetone	ND	50	µg/L						
Benzene	ND	1.0	µg/L						
Bromochloromethane	ND	1.0	µg/L						
Bromodichloromethane	ND	0.50	µg/L						
Bromoform	ND	1.0	µg/L						V-05
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 B355104 - SW-846 5030B										
Blank (B355104-BLK1)										
Prepared: 10/14/23 Analyzed: 10/16/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	25.0		µg/L	25.0		99.8	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.0		99.9	70-130			
Surrogate: 4-Bromofluorobenzene	23.0		µg/L	25.0		92.1	70-130			
LCS (B355104-BS1)										
Prepared: 10/14/23 Analyzed: 10/16/23										
Acetone	82.8	50	µg/L	100		82.8	70-160			†
Benzene	11.5	1.0	µg/L	10.0		115	70-130			
Bromochloromethane	11.3	1.0	µg/L	10.0		113	70-130			
Bromodichloromethane	9.87	0.50	µg/L	10.0		98.7	70-130			
Bromoform	7.60	1.0	µg/L	10.0		76.0	70-130			V-05
Bromomethane	12.7	2.0	µg/L	10.0		127	40-160			†
2-Butanone (MEK)	95.9	20	µg/L	100		95.9	40-160			†
Carbon Disulfide	105	5.0	µg/L	100		105	70-130			
Carbon Tetrachloride	9.87	5.0	µg/L	10.0		98.7	70-130			
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Chlorodibromomethane	8.99	0.50	µg/L	10.0		89.9	70-130			
Chloroethane	10.3	2.0	µg/L	10.0		103	70-130			
Chloroform	10.7	2.0	µg/L	10.0		107	70-130			
Chloromethane	9.86	2.0	µg/L	10.0		98.6	40-160			†
Cyclohexane	10.6	5.0	µg/L	10.0		106	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.49	5.0	µg/L	10.0		84.9	70-130			
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.0		100	70-130			
1,2-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
1,4-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130			
Dichlorodifluoromethane (Freon 12)	10.1	2.0	µg/L	10.0		101	40-160			†
1,1-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,2-Dichloroethane	9.61	1.0	µg/L	10.0		96.1	70-130			
1,1-Dichloroethylene	9.77	1.0	µg/L	10.0		97.7	70-130			
cis-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
trans-1,2-Dichloroethylene	9.91	1.0	µg/L	10.0		99.1	70-130			
1,2-Dichloropropane	11.1	1.0	µg/L	10.0		111	70-130			
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130			
trans-1,3-Dichloropropene	9.76	0.50	µg/L	10.0		97.6	70-130			
1,4-Dioxane	82.9	50	µg/L	100		82.9	40-130			†
Ethylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
2-Hexanone (MBK)	81.3	10	µg/L	100		81.3	70-160			†
Isopropylbenzene (Cumene)	9.79	1.0	µg/L	10.0		97.9	70-130			
Methyl Acetate	11.6	1.0	µg/L	10.0		116	70-130			
Methyl tert-Butyl Ether (MTBE)	9.70	1.0	µg/L	10.0		97.0	70-130			
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130			
Methylene Chloride	9.86	5.0	µg/L	10.0		98.6	70-130			
4-Methyl-2-pentanone (MIBK)	84.5	10	µg/L	100		84.5	70-160			†
Styrene	10.1	1.0	µg/L	10.0		101	70-130			
1,1,2,2-Tetrachloroethane	9.35	0.50	µg/L	10.0		93.5	70-130			
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Toluene	10.6	1.0	µg/L	10.0		106	70-130			
1,2,3-Trichlorobenzene	9.40	5.0	µg/L	10.0		94.0	70-130			
1,2,4-Trichlorobenzene	8.73	1.0	µg/L	10.0		87.3	70-130			
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	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 B355104 - SW-846 5030B
LCS (B355104-BS1)

Prepared: 10/14/23 Analyzed: 10/16/23

1,1,2-Trichloroethane	9.86	1.0	µg/L	10.0		98.6	70-130			
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
Trichlorofluoromethane (Freon 11)	9.95	2.0	µg/L	10.0		99.5	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	1.0	µg/L	10.0		100	70-130			
Vinyl Chloride	11.8	2.0	µg/L	10.0		118	40-160			†
m+p Xylene	20.7	2.0	µg/L	20.0		104	70-130			
o-Xylene	9.88	1.0	µg/L	10.0		98.8	70-130			
Xylenes (total)	30.6	1.0	µg/L	30.0		102	0-200			
Surrogate: 1,2-Dichloroethane-d4	24.8		µg/L	25.0		99.1	70-130			
Surrogate: Toluene-d8	25.6		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	24.4		µg/L	25.0		97.7	70-130			

LCS Dup (B355104-BSD1)

Prepared: 10/14/23 Analyzed: 10/16/23

Acetone	83.2	50	µg/L	100		83.2	70-160	0.542	25	†
Benzene	11.3	1.0	µg/L	10.0		113	70-130	1.66	25	
Bromochloromethane	11.2	1.0	µg/L	10.0		112	70-130	0.889	25	
Bromodichloromethane	9.67	0.50	µg/L	10.0		96.7	70-130	2.05	25	
Bromoform	7.48	1.0	µg/L	10.0		74.8	70-130	1.59	25	V-05
Bromomethane	12.7	2.0	µg/L	10.0		127	40-160	0.315	25	†
2-Butanone (MEK)	96.2	20	µg/L	100		96.2	40-160	0.281	25	†
Carbon Disulfide	103	5.0	µg/L	100		103	70-130	1.76	25	
Carbon Tetrachloride	9.57	5.0	µg/L	10.0		95.7	70-130	3.09	25	
Chlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	2.40	25	
Chlorodibromomethane	8.97	0.50	µg/L	10.0		89.7	70-130	0.223	25	
Chloroethane	10.2	2.0	µg/L	10.0		102	70-130	1.76	25	
Chloroform	10.3	2.0	µg/L	10.0		103	70-130	4.00	25	
Chloromethane	9.94	2.0	µg/L	10.0		99.4	40-160	0.808	25	†
Cyclohexane	10.3	5.0	µg/L	10.0		103	70-130	2.96	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.21	5.0	µg/L	10.0		82.1	70-130	3.35	25	
1,2-Dibromoethane (EDB)	9.80	0.50	µg/L	10.0		98.0	70-130	2.12	25	
1,2-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	4.09	25	
1,3-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	5.42	25	
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	6.41	25	
Dichlorodifluoromethane (Freon 12)	9.96	2.0	µg/L	10.0		99.6	40-160	1.49	25	†
1,1-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130	3.30	25	
1,2-Dichloroethane	9.38	1.0	µg/L	10.0		93.8	70-130	2.42	25	
1,1-Dichloroethylene	9.65	1.0	µg/L	10.0		96.5	70-130	1.24	25	
cis-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	2.54	25	
trans-1,2-Dichloroethylene	9.76	1.0	µg/L	10.0		97.6	70-130	1.53	25	
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130	4.80	25	
cis-1,3-Dichloropropene	10.0	0.50	µg/L	10.0		100	70-130	1.19	25	
trans-1,3-Dichloropropene	9.56	0.50	µg/L	10.0		95.6	70-130	2.07	25	
1,4-Dioxane	81.4	50	µg/L	100		81.4	40-130	1.80	50	† ‡
Ethylbenzene	10.0	1.0	µg/L	10.0		100	70-130	2.96	25	
2-Hexanone (MBK)	81.8	10	µg/L	100		81.8	70-160	0.613	25	†
Isopropylbenzene (Cumene)	9.42	1.0	µg/L	10.0		94.2	70-130	3.85	25	
Methyl Acetate	11.9	1.0	µg/L	10.0		119	70-130	1.87	25	
Methyl tert-Butyl Ether (MTBE)	9.70	1.0	µg/L	10.0		97.0	70-130	0.00	25	
Methyl Cyclohexane	10.1	1.0	µg/L	10.0		101	70-130	5.32	25	
Methylene Chloride	9.80	5.0	µg/L	10.0		98.0	70-130	0.610	25	
4-Methyl-2-pentanone (MIBK)	84.2	10	µg/L	100		84.2	70-160	0.356	25	†
Styrene	9.64	1.0	µg/L	10.0		96.4	70-130	4.46	25	

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B355104 - SW-846 5030B										
LCS Dup (B355104-BSD1)					Prepared: 10/14/23 Analyzed: 10/16/23					
1,1,2,2-Tetrachloroethane	9.16	0.50	µg/L	10.0		91.6	70-130	2.05	25	
Tetrachloroethylene	9.83	1.0	µg/L	10.0		98.3	70-130	4.57	25	
Toluene	10.3	1.0	µg/L	10.0		103	70-130	3.45	25	
1,2,3-Trichlorobenzene	8.85	5.0	µg/L	10.0		88.5	70-130	6.03	25	
1,2,4-Trichlorobenzene	8.48	1.0	µg/L	10.0		84.8	70-130	2.91	25	
1,1,1-Trichloroethane	9.86	1.0	µg/L	10.0		98.6	70-130	2.90	25	
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130	2.50	25	
Trichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	3.60	25	
Trichlorofluoromethane (Freon 11)	9.79	2.0	µg/L	10.0		97.9	70-130	1.62	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.57	1.0	µg/L	10.0		95.7	70-130	4.89	25	
Vinyl Chloride	11.3	2.0	µg/L	10.0		113	40-160	3.55	25	†
m+p Xylene	20.0	2.0	µg/L	20.0		100	70-130	3.29	25	
o-Xylene	9.63	1.0	µg/L	10.0		96.3	70-130	2.56	25	
Xylenes (total)	29.7	1.0	µg/L	30.0		98.9	0-200	3.05		
Surrogate: 1,2-Dichloroethane-d4	24.8		µg/L	25.0		99.4	70-130			
Surrogate: Toluene-d8	25.7		µg/L	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	24.6		µg/L	25.0		98.6	70-130			

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

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

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

Batch B355241 - EPA 200.7
Blank (B355241-BLK1)

Prepared: 10/16/23 Analyzed: 10/18/23

Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							

LCS (B355241-BS1)

Prepared: 10/16/23 Analyzed: 10/18/23

Aluminum	0.521	0.050	mg/L	0.500		104	85-115			
Iron	4.11	0.050	mg/L	4.00		103	85-115			
Zinc	1.04	0.010	mg/L	1.00		104	85-115			

LCS Dup (B355241-BSD1)

Prepared: 10/16/23 Analyzed: 10/18/23

Aluminum	0.513	0.050	mg/L	0.500		103	85-115	1.48	20	
Iron	4.12	0.050	mg/L	4.00		103	85-115	0.266	20	
Zinc	1.04	0.010	mg/L	1.00		104	85-115	0.254	20	

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

QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B355417 - EPA 1664B										
Blank (B355417-BLK1)				Prepared & Analyzed: 10/18/23						
Oil & Grease (HEM)	ND	1.4	mg/L							
Blank (B355417-BLK2)				Prepared & Analyzed: 10/18/23						
Oil & Grease (HEM)	ND	14	mg/L							
LCS (B355417-BS1)				Prepared & Analyzed: 10/18/23						
Oil & Grease (HEM)	19	1.4	mg/L	20.0		95.5	78-114			
LCS (B355417-BS2)				Prepared & Analyzed: 10/18/23						
Oil & Grease (HEM)	160	14	mg/L	200		82.5	78-114			

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

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
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
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
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

DEC Site #: 907016

10/12/23

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

 Standard 14 Days

1 day RUSH

Other _____

Laboratory Information

Lab: Pace Analytical Services

Address: 39 Spruce St, East Longmeadow, MA 01028

Phone: 518-608-1036

Lab PM: Michael Buttrick

Lab PM Email:

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial "B" (Level 2) = Results + QC Summary

☐ FULLT1 (Level 3 & 4)

☒ NI Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

NI Data of Known Quality Protocol Reporting

NYA5P Category A

NYA5P Category B

State Forms

EDD Format

☒ Other NYSDEC EDD FOR NYSDEC EQUIS

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By: Sampler:	Date / Time:	Received By:	
1	1 10/12/23 1200	1 0943	10-13-23
Relinquished By:	Date / Time:	Received By:	
2	2	2	
Relinquished By:	Date / Time:	Received By:	
3	3	3	
Custody Seal Number: ☒ Intact ☐ Preserved where applicable			

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FedEx® Tracking



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Obtain proof of delivery

How was your delivery?



DELIVERY STATUS

Delivered

TRACKING ID

791395081109

FROM

EDEN, NY US

Label Created

9/29/23 3:39 PM

WE HAVE YOUR PACKAGE

JAMESTOWN, NY

10/12/23 11:51 AM

IN TRANSIT

EAST GRANBY, CT

10/13/23 6:02 AM

OUT FOR DELIVERY

WINDSOR LOCKS, CT

10/13/23 8:17 AM

DELIVERED

East Longmeadow, MA US

Delivered

10/13/23 at 9:43 AM

View travel history

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Contestlab39

SUBMIT

MORE OPTIONS

Manage Delivery

Shipment facts

	DC#_ Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client GES
 Project Frewsburg
 MCP/RCP Required No
 Deliverable Package Requirement NO CAT B
 Location NY
 PWSID# (When Applicable) NA
 Arrival Method:
 Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐
 Received By / Date / Time AAM 10/13/23 943
 Back-Sheet By / Date / Time SL 10/13/23 1620
 Temperature Method gun # 5
 Temp < 6° C Actual Temperature 4.5
 Rush Samples: Yes / ☒ No Notify
 Short Hold: Yes / ☒ No Notify

Notes regarding Samples/COC outside of SOP:

Effluent vial recieved broken
limited volume

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

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

Additional Container Notes

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



DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

	Sample	Soils Jars				Ambers				Plastics								VOA Vials				Other / Fill in						
		(Circle Amb/Clear)				1 Liter	250mL	100mL	1 Liter	500mL	250mL																	
1	16oz Amb/Clear																											
2	8oz Amb/Clear																											
3	4oz Amb/Clear																											
4	2oz Amb/Clear																											
5	Unpreserved																											
6	HCL																											
7	Sulfuric																											
8	Sulfuric																											
9	Phosphoric																											
10	HCl																											
11	Unpreserved																											
12	Unpreserved																											
13	Sulfuric																											
14	Unpreserved																											
15	Unpreserved																											
16	Sulfuric																											
17	Phosphoric																											
18	HCl																											
19	Unpreserved																											
20	Unpreserved																											

December 15, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23K2227

Enclosed are results of analyses for samples as received by the laboratory on November 16, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 12/15/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23K2227

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

PROJECT LOCATION: 300 Falconer Street, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	23K2227-01	Ground Water		EPA 1664B EPA 200.7 SW-846 8260D	
Treatment Influent	23K2227-02	Ground Water		SW-846 8260D	
Trip Blank	23K2227-03	Trip Blank Water		SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

EPA 1664B**Qualifications:**

H-01

Recommended sample holding time was exceeded, but analysis was performed before 2X the allowable holding time.

Analyte & Samples(s) Qualified:**Oil & Grease (HEM)**

23K2227-01[Treatment Effluent]

SW-846 8260D**Qualifications:**

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23K2227-02[Treatment 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:**1,2-Dibromo-3-chloropropane (DBCP)**

23K2227-01[Treatment Effluent], 23K2227-02[Treatment Influent], 23K2227-03[Trip Blank], B358587-BLK1, B358587-BS1, B358587-BSD1, S096653-CCV1

Bromoform

23K2227-01[Treatment Effluent], 23K2227-02[Treatment Influent], 23K2227-03[Trip Blank], B358587-BLK1, B358587-BS1, B358587-BSD1, S096653-CCV1

V-20

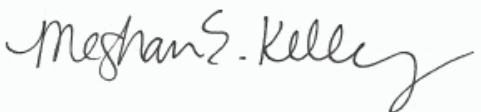
Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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

B358587-BS1, B358587-BSD1, S096653-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

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K2227

Date Received: 11/16/2023

Field Sample #: Treatment Effluent

Sampled: 11/14/2023 10:00

Sample ID: 23K2227-01

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	5.6	50	2.0	µg/L	1	J	SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	11/20/23	11/20/23 14:45	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
cis-1,2-Dichloroethylene	0.75	1.0	0.14	µg/L	1	J	SW-846 8260D	11/20/23	11/20/23 14:45	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K2227

Date Received: 11/16/2023

Field Sample #: Treatment Effluent

Sampled: 11/14/2023 10:00

Sample ID: 23K2227-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Trichloroethylene	0.57	1.0	0.17	µg/L	1	J	SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	11/20/23	11/20/23 14:45	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.5	70-130	11/20/23 14:45
Toluene-d8	100	70-130	11/20/23 14:45
4-Bromofluorobenzene	86.9	70-130	11/20/23 14:45

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K2227

Date Received: 11/16/2023

Field Sample #: Treatment Effluent

Sampled: 11/14/2023 10:00

Sample ID: 23K2227-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.031	mg/L	1		EPA 200.7	11/20/23	11/21/23 12:39	HNN
Iron	1.7	0.050	0.034	mg/L	1		EPA 200.7	11/20/23	11/21/23 12:39	HNN
Zinc	0.010	0.010	0.0047	mg/L	1		EPA 200.7	11/20/23	11/21/23 12:39	HNN

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K2227

Date Received: 11/16/2023

Field Sample #: Treatment Effluent

Sampled: 11/14/2023 10:00

Sample ID: 23K2227-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Oil & Grease (HEM)	ND	1.4	0.60	mg/L	1	H-01	EPA 1664B	12/14/23	12/14/23 12:12	LL

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K2227

Date Received: 11/16/2023

Field Sample #: Treatment Influent

Sampled: 11/14/2023 10:10

Sample ID: 23K2227-02

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	2500	100	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Benzene	ND	50	9.2	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Bromochloromethane	ND	50	14	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Bromodichloromethane	ND	25	7.9	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Bromoform	ND	50	20	µg/L	50	V-05	SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Bromomethane	ND	100	66	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
2-Butanone (MEK)	110	1000	84	µg/L	50	J	SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Carbon Disulfide	ND	250	78	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Carbon Tetrachloride	ND	250	8.2	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Chlorobenzene	ND	50	5.9	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Chlorodibromomethane	ND	25	10	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Chloroethane	ND	100	17	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Chloroform	ND	100	7.0	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Chloromethane	ND	100	25	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Cyclohexane	ND	250	88	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	43	µg/L	50	V-05	SW-846 8260D	11/20/23	11/20/23 20:32	MFF
1,2-Dibromoethane (EDB)	ND	25	8.0	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
1,2-Dichlorobenzene	ND	50	6.5	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
1,3-Dichlorobenzene	ND	50	6.8	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
1,4-Dichlorobenzene	ND	50	6.4	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Dichlorodifluoromethane (Freon 12)	ND	100	8.0	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
1,1-Dichloroethane	ND	50	6.8	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
1,2-Dichloroethane	ND	50	15	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
1,1-Dichloroethylene	ND	50	7.0	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
cis-1,2-Dichloroethylene	2200	50	7.0	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
trans-1,2-Dichloroethylene	10	50	8.6	µg/L	50	J	SW-846 8260D	11/20/23	11/20/23 20:32	MFF
1,2-Dichloropropane	ND	50	9.7	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
cis-1,3-Dichloropropene	ND	25	8.2	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
trans-1,3-Dichloropropene	ND	25	7.1	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
1,4-Dioxane	ND	2500	900	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Ethylbenzene	ND	50	11	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
2-Hexanone (MBK)	ND	500	60	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Isopropylbenzene (Cumene)	ND	50	7.6	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Methyl Acetate	ND	50	30	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Methyl tert-Butyl Ether (MTBE)	ND	50	8.5	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Methyl Cyclohexane	ND	50	7.8	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Methylene Chloride	ND	250	8.8	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
4-Methyl-2-pentanone (MIBK)	ND	500	66	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Styrene	ND	50	7.5	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
1,1,2,2-Tetrachloroethane	ND	25	6.8	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Tetrachloroethylene	ND	50	8.4	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Toluene	ND	50	11	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
1,2,3-Trichlorobenzene	ND	250	17	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
1,2,4-Trichlorobenzene	ND	50	15	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K2227

Date Received: 11/16/2023

Field Sample #: Treatment Influent

Sampled: 11/14/2023 10:10

Sample ID: 23K2227-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	50	7.5	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
1,1,2-Trichloroethane	ND	50	9.6	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Trichloroethylene	3400	50	8.7	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Trichlorofluoromethane (Freon 11)	ND	100	7.7	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	50	10	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Vinyl Chloride	140	100	12	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF
Xylenes (total)	ND	50	50	µg/L	50		SW-846 8260D	11/20/23	11/20/23 20:32	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	102	70-130	
Toluene-d8	100	70-130	
4-Bromofluorobenzene	86.6	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K2227

Date Received: 11/16/2023

Field Sample #: Trip Blank

Sampled: 11/14/2023 00:00

Sample ID: 23K2227-03

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.1	50	2.0	µg/L	1	J	SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	11/20/23	11/20/23 13:52	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23K2227

Date Received: 11/16/2023

Field Sample #: Trip Blank

Sampled: 11/14/2023 00:00

Sample ID: 23K2227-03

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	11/20/23	11/20/23 13:52	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	93.1	70-130	
Toluene-d8	92.9	70-130	
4-Bromofluorobenzene	87.5	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
23K2227-01 [Treatment Effluent]	B360713	1000	12/14/23

Prep Method:EPA 200.7 **Analytical Method:**EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23K2227-01 [Treatment Effluent]	B358654	50.0	50.0	11/20/23

Prep Method:SW-846 5030B **Analytical Method:**SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23K2227-01 [Treatment Effluent]	B358587	5	5.00	11/20/23
23K2227-02 [Treatment Influent]	B358587	0.1	5.00	11/20/23
23K2227-03 [Trip Blank]	B358587	5	5.00	11/20/23

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B358587 - SW-846 5030B										
Blank (B358587-BLK1)				Prepared & Analyzed: 11/20/23						
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							V-05
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							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 B358587 - SW-846 5030B										
Blank (B358587-BLK1)										
Prepared & Analyzed: 11/20/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.0		µg/L	25.0		92.1	70-130			
Surrogate: Toluene-d8	24.6		µg/L	25.0		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	21.7		µg/L	25.0		86.9	70-130			
LCS (B358587-BS1)										
Prepared & Analyzed: 11/20/23										
Acetone	91.9	50	µg/L	100		91.9	70-160			†
Benzene	11.7	1.0	µg/L	10.0		117	70-130			
Bromochloromethane	11.8	1.0	µg/L	10.0		118	70-130			
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130			
Bromoform	8.01	1.0	µg/L	10.0		80.1	70-130		V-05	
Bromomethane	14.3	2.0	µg/L	10.0		143	40-160		V-20	†
2-Butanone (MEK)	105	20	µg/L	100		105	40-160			†
Carbon Disulfide	112	5.0	µg/L	100		112	70-130			
Carbon Tetrachloride	10.1	5.0	µg/L	10.0		101	70-130			
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Chlorodibromomethane	9.76	0.50	µg/L	10.0		97.6	70-130			
Chloroethane	11.2	2.0	µg/L	10.0		112	70-130			
Chloroform	10.9	2.0	µg/L	10.0		109	70-130			
Chloromethane	9.65	2.0	µg/L	10.0		96.5	40-160			†
Cyclohexane	10.6	5.0	µg/L	10.0		106	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.87	5.0	µg/L	10.0		78.7	70-130		V-05	
1,2-Dibromoethane (EDB)	10.5	0.50	µg/L	10.0		105	70-130			
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,3-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,4-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130			
Dichlorodifluoromethane (Freon 12)	11.5	2.0	µg/L	10.0		115	40-160			†
1,1-Dichloroethane	11.0	1.0	µg/L	10.0		110	70-130			
1,2-Dichloroethane	9.76	1.0	µg/L	10.0		97.6	70-130			
1,1-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
cis-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
1,2-Dichloropropane	11.3	1.0	µg/L	10.0		113	70-130			
cis-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130			
trans-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130			
1,4-Dioxane	89.6	50	µg/L	100		89.6	40-130			†
Ethylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
2-Hexanone (MBK)	91.6	10	µg/L	100		91.6	70-160			†
Isopropylbenzene (Cumene)	9.44	1.0	µg/L	10.0		94.4	70-130			
Methyl Acetate	10.5	1.0	µg/L	10.0		105	70-130			
Methyl tert-Butyl Ether (MTBE)	10.6	1.0	µg/L	10.0		106	70-130			
Methyl Cyclohexane	10.8	1.0	µg/L	10.0		108	70-130			
Methylene Chloride	10.3	5.0	µg/L	10.0		103	70-130			
4-Methyl-2-pentanone (MIBK)	93.3	10	µg/L	100		93.3	70-160			†
Styrene	9.94	1.0	µg/L	10.0		99.4	70-130			
1,1,2,2-Tetrachloroethane	9.82	0.50	µg/L	10.0		98.2	70-130			
Tetrachloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
Toluene	11.1	1.0	µg/L	10.0		111	70-130			
1,2,3-Trichlorobenzene	8.94	5.0	µg/L	10.0		89.4	70-130			
1,2,4-Trichlorobenzene	8.38	1.0	µg/L	10.0		83.8	70-130			
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130			

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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 B358587 - SW-846 5030B										
LCS (B358587-BS1)										
Prepared & Analyzed: 11/20/23										
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130			
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Trichlorofluoromethane (Freon 11)	9.93	2.0	µg/L	10.0		99.3	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	12.1	2.0	µg/L	10.0		121	40-160			†
m+p Xylene	20.4	2.0	µg/L	20.0		102	70-130			
o-Xylene	9.65	1.0	µg/L	10.0		96.5	70-130			
Xylenes (total)	30.1	1.0	µg/L	30.0		100	0-200			
Surrogate: 1,2-Dichloroethane-d4	22.9		µg/L	25.0		91.8	70-130			
Surrogate: Toluene-d8	26.2		µg/L	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	24.1		µg/L	25.0		96.4	70-130			
LCS Dup (B358587-BSD1)										
Prepared & Analyzed: 11/20/23										
Acetone	81.7	50	µg/L	100		81.7	70-160	11.7	25	†
Benzene	12.1	1.0	µg/L	10.0		121	70-130	3.69	25	
Bromochloromethane	11.7	1.0	µg/L	10.0		117	70-130	0.598	25	
Bromodichloromethane	9.86	0.50	µg/L	10.0		98.6	70-130	4.17	25	
Bromoform	7.97	1.0	µg/L	10.0		79.7	70-130	0.501	25	V-05
Bromomethane	13.6	2.0	µg/L	10.0		136	40-160	5.01	25	V-20 †
2-Butanone (MEK)	96.2	20	µg/L	100		96.2	40-160	8.70	25	†
Carbon Disulfide	113	5.0	µg/L	100		113	70-130	0.249	25	
Carbon Tetrachloride	10.5	5.0	µg/L	10.0		105	70-130	4.37	25	
Chlorobenzene	11.3	1.0	µg/L	10.0		113	70-130	5.57	25	
Chlorodibromomethane	9.35	0.50	µg/L	10.0		93.5	70-130	4.29	25	
Chloroethane	10.7	2.0	µg/L	10.0		107	70-130	4.82	25	
Chloroform	10.9	2.0	µg/L	10.0		109	70-130	0.0919	25	
Chloromethane	9.85	2.0	µg/L	10.0		98.5	40-160	2.05	25	†
Cyclohexane	10.8	5.0	µg/L	10.0		108	70-130	1.95	25	
1,2-Dibromo-3-chloropropane (DBCP)	7.83	5.0	µg/L	10.0		78.3	70-130	0.510	25	V-05
1,2-Dibromoethane (EDB)	9.89	0.50	µg/L	10.0		98.9	70-130	5.70	25	
1,2-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	1.44	25	
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	3.05	25	
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	1.09	25	
Dichlorodifluoromethane (Freon 12)	11.3	2.0	µg/L	10.0		113	40-160	2.10	25	†
1,1-Dichloroethane	11.1	1.0	µg/L	10.0		111	70-130	0.453	25	
1,2-Dichloroethane	9.69	1.0	µg/L	10.0		96.9	70-130	0.720	25	
1,1-Dichloroethylene	9.86	1.0	µg/L	10.0		98.6	70-130	2.90	25	
cis-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130	0.184	25	
trans-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	1.06	25	
1,2-Dichloropropane	11.0	1.0	µg/L	10.0		110	70-130	3.23	25	
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130	2.09	25	
trans-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130	2.65	25	
1,4-Dioxane	76.2	50	µg/L	100		76.2	40-130	16.2	50	† ‡
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130	4.64	25	
2-Hexanone (MBK)	80.9	10	µg/L	100		80.9	70-160	12.5	25	†
Isopropylbenzene (Cumene)	9.98	1.0	µg/L	10.0		99.8	70-130	5.56	25	
Methyl Acetate	9.96	1.0	µg/L	10.0		99.6	70-130	5.37	25	
Methyl tert-Butyl Ether (MTBE)	10.2	1.0	µg/L	10.0		102	70-130	4.14	25	
Methyl Cyclohexane	10.7	1.0	µg/L	10.0		107	70-130	0.186	25	
Methylene Chloride	10.1	5.0	µg/L	10.0		101	70-130	1.37	25	
4-Methyl-2-pentanone (MIBK)	84.2	10	µg/L	100		84.2	70-160	10.3	25	†
Styrene	10.4	1.0	µg/L	10.0		104	70-130	4.43	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 B358587 - SW-846 5030B										
LCS Dup (B358587-BSD1)				Prepared & Analyzed: 11/20/23						
1,1,2,2-Tetrachloroethane	9.88	0.50	µg/L	10.0		98.8	70-130	0.609	25	
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130	3.34	25	
Toluene	10.8	1.0	µg/L	10.0		108	70-130	2.10	25	
1,2,3-Trichlorobenzene	8.99	5.0	µg/L	10.0		89.9	70-130	0.558	25	
1,2,4-Trichlorobenzene	8.72	1.0	µg/L	10.0		87.2	70-130	3.98	25	
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130	2.81	25	
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130	4.33	25	
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	0.471	25	
Trichlorofluoromethane (Freon 11)	10.1	2.0	µg/L	10.0		101	70-130	1.50	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130	2.36	25	
Vinyl Chloride	12.5	2.0	µg/L	10.0		125	40-160	2.85	25	†
m+p Xylene	21.3	2.0	µg/L	20.0		107	70-130	4.41	25	
o-Xylene	10.0	1.0	µg/L	10.0		100	70-130	3.96	25	
Xylenes (total)	31.4	1.0	µg/L	30.0		105	0-200	4.27		
Surrogate: 1,2-Dichloroethane-d4	22.5		µg/L	25.0		89.9	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	24.2		µg/L	25.0		96.6	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B358654 - EPA 200.7										
Blank (B358654-BLK1)				Prepared: 11/20/23 Analyzed: 11/21/23						
Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							
LCS (B358654-BS1)				Prepared: 11/20/23 Analyzed: 11/21/23						
Aluminum	0.505	0.050	mg/L	0.500		101	85-115			
Iron	4.06	0.050	mg/L	4.00		101	85-115			
Zinc	1.03	0.010	mg/L	1.00		103	85-115			
LCS Dup (B358654-BSD1)				Prepared: 11/20/23 Analyzed: 11/21/23						
Aluminum	0.503	0.050	mg/L	0.500		101	85-115	0.445	20	
Iron	4.00	0.050	mg/L	4.00		100	85-115	1.39	20	
Zinc	1.02	0.010	mg/L	1.00		102	85-115	1.19	20	
Duplicate (B358654-DUP1)				Source: 23K2227-01		Prepared: 11/20/23 Analyzed: 11/21/23				
Aluminum	ND	0.050	mg/L		ND			NC	20	
Iron	1.67	0.050	mg/L		1.69			1.48	20	
Zinc	0.00944	0.010	mg/L		0.0102			8.04	20	J
Matrix Spike (B358654-MS1)				Source: 23K2227-01		Prepared: 11/20/23 Analyzed: 11/21/23				
Aluminum	0.507	0.050	mg/L	0.500	ND	101	70-130			
Iron	5.47	0.050	mg/L	4.00	1.69	94.6	70-130			
Zinc	0.993	0.010	mg/L	1.00	0.0102	98.3	70-130			

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B360713 - EPA 1664B										
Blank (B360713-BLK1)				Prepared & Analyzed: 12/14/23						
Oil & Grease (HEM)	ND	1.4	mg/L							
Blank (B360713-BLK2)				Prepared & Analyzed: 12/14/23						
Oil & Grease (HEM)	ND	14	mg/L							
LCS (B360713-BS1)				Prepared & Analyzed: 12/14/23						
Oil & Grease (HEM)	17	1.4	mg/L	20.0		85.5	78-114			
LCS (B360713-BS2)				Prepared & Analyzed: 12/14/23						
Oil & Grease (HEM)	160	14	mg/L	200		80.5	78-114			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**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.
H-01	Recommended sample holding time was exceeded, but analysis was performed before 2X the allowable holding time.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
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
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

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	
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
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
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

**Client: New York State Dept. of
Environmental Conservation**

PAGE 1 OF 1

DEC Site #: 907016

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

 Standard 14 Days

1 day RUSH

Other

Laboratory Information

Lab: Pace Analytical Services

Address: 39 Spruce St, East Longmeadow, MA 01028

Phone: 518-608-1036

Lab PM: Michael Buttrick

Lab PM Email:

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + QC Summary

FULLT1 (Level 3 & 4)

NJ Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

NI Data of Known Quality Protocol Reporting

NYASP Category A

 NYASP Category B

State Forms

EDD Format

 Other NYSDEC EDD FOR NYSDEC EQUIS

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/Buffalo/NY/MainSt/2929-2939_LabReport#.30987.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Sample:	Date / Time:	Received By:	
<i>[Signature]</i>	1 11/14 1030	1 <i>[Signature]</i>	11/15/23 14:25
Relinquished By:	Date / Time:	Received By:	
2	2	<i>[Signature]</i>	11-16-23 0727
Relinquished By:	Date / Time:	Received By:	
3	3	3	
Custody Seal Number: ☐ Intact ☐ Preserved where applicable			

	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client GES

Project NH261/Buckner St 300

MCP/RCP Required N/A

Deliverable Package Requirement CA1 B

Location 300 Feldoner Street, Friesburg, TN

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time AM 1/11/23 727

Back-Sheet By / Date / Time LA 1/11/23 1128

Temperature Method gun # 5

Temp ✓ 6° C Actual Temperature 27

Rush Samples: Yes / No Notify _____

Short Hold: Yes / No Notify _____

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

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

Notes regarding Samples/COC outside of SOP:

Additional Container Notes

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

[illegible]

February 13, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23A2354

Enclosed are results of analyses for samples as received by the laboratory on January 24, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 2/13/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23A2354

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

PROJECT LOCATION: 300 Falconer Street, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Outfall 001	23A2354-01	Ground Water		EPA 1664B EPA 200.7 SM21-23 2540D SW-846 8260D	
Trip Blank	23A2354-02	Ground Water		SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

SW-846 8260D**Qualifications:**

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**B329849-BSD1

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:**Chloromethane**23A2354-01[Outfall 001], 23A2354-02[Trip Blank], B329849-BLK1, B329849-BS1, B329849-BSD1, S082546-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:**1,2-Dibromo-3-chloropropane (DBCP)**

B329849-BS1, B329849-BSD1, S082546-CCV1

2-Butanone (MEK)

B329849-BS1, B329849-BSD1, S082546-CCV1

2-Hexanone (MBK)

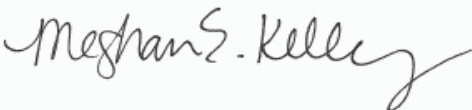
B329849-BS1, B329849-BSD1, S082546-CCV1

4-Methyl-2-pentanone (MIBK)

B329849-BS1, B329849-BSD1, S082546-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

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23A2354

Date Received: 1/24/2023

Field Sample #: Outfall 001

Sampled: 1/23/2023 09:15

Sample ID: 23A2354-01

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	1/27/23	1/27/23 19:03	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	V-05	SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
cis-1,2-Dichloroethylene	1.0	1.0	0.15	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23A2354

Date Received: 1/24/2023

Field Sample #: Outfall 001

Sampled: 1/23/2023 09:15

Sample ID: 23A2354-01

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	1/27/23	1/27/23 19:03	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Trichloroethylene	0.36	1.0	0.19	µg/L	1	J	SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	1/27/23	1/27/23 19:03	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	108	70-130	
Toluene-d8	100	70-130	
4-Bromofluorobenzene	92.6	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23A2354

Date Received: 1/24/2023

Field Sample #: Outfall 001

Sampled: 1/23/2023 09:15

Sample ID: 23A2354-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		EPA 200.7	1/26/23	1/27/23 18:34	MJH
Iron	ND	0.050	0.019	mg/L	1		EPA 200.7	1/26/23	1/27/23 18:34	MJH
Zinc	ND	0.010	0.0042	mg/L	1		EPA 200.7	1/26/23	1/27/23 18:34	MJH

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23A2354

Date Received: 1/24/2023

Field Sample #: Outfall 001

Sampled: 1/23/2023 09:15

Sample ID: 23A2354-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	0.50	0.21	mg/L	1		SM21-23 2540D	1/26/23	1/26/23 14:08	QH
Silica Gel Treated HEM (SGT-HEM)	1.2	1.6	0.47	mg/L	1	J	EPA 1664B	2/13/23	2/13/23 13:00	LL

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23A2354

Date Received: 1/24/2023

Field Sample #: Trip Blank

Sampled: 1/23/2023 00:00

Sample ID: 23A2354-02

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	1/27/23	1/27/23 14:53	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Chloroform	0.48	2.0	0.17	µg/L	1	J	SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	V-05	SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH

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Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23A2354

Date Received: 1/24/2023

Field Sample #: Trip Blank

Sampled: 1/23/2023 00:00

Sample ID: 23A2354-02

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	1/27/23	1/27/23 14:53	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	1/27/23	1/27/23 14:53	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	110	70-130	
Toluene-d8	102	70-130	
4-Bromofluorobenzene	92.5	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
23A2354-01 [Outfall 001]	B331299	900	02/13/23

Prep Method: EPA 200.7 Analytical Method: EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23A2354-01 [Outfall 001]	B329760	50.0	50.0	01/26/23

SM21-23 2540D

Lab Number [Field ID]	Batch	Initial [mL]	Date
23A2354-01 [Outfall 001]	B329731	1000	01/26/23

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23A2354-01 [Outfall 001]	B329849	5	5.00	01/27/23
23A2354-02 [Trip Blank]	B329849	5	5.00	01/27/23

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

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

Batch B329849 - SW-846 5030B
Blank (B329849-BLK1)

Prepared & Analyzed: 01/27/23

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05
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 B329849 - SW-846 5030B										
Blank (B329849-BLK1)										
Prepared & Analyzed: 01/27/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	27.0		µg/L	25.0		108	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.0		99.9	70-130			
Surrogate: 4-Bromofluorobenzene	23.2		µg/L	25.0		92.7	70-130			
LCS (B329849-BS1)										
Prepared & Analyzed: 01/27/23										
Acetone	92.2	50	µg/L	100		92.2	70-160			†
Benzene	10.6	1.0	µg/L	10.0		106	70-130			
Bromochloromethane	11.3	1.0	µg/L	10.0		113	70-130			
Bromodichloromethane	10.8	0.50	µg/L	10.0		108	70-130			
Bromoform	8.99	1.0	µg/L	10.0		89.9	70-130			
Bromomethane	8.57	2.0	µg/L	10.0		85.7	40-160			†
2-Butanone (MEK)	124	20	µg/L	100		124	40-160			V-20 †
Carbon Disulfide	112	5.0	µg/L	100		112	70-130			
Carbon Tetrachloride	9.14	5.0	µg/L	10.0		91.4	70-130			
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108	70-130			
Chloroethane	9.25	2.0	µg/L	10.0		92.5	70-130			
Chloroform	10.1	2.0	µg/L	10.0		101	70-130			
Chloromethane	8.40	2.0	µg/L	10.0		84.0	40-160			V-05 †
Cyclohexane	11.4	5.0	µg/L	10.0		114	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	12.4	5.0	µg/L	10.0		124	70-130			V-20
1,2-Dibromoethane (EDB)	11.3	0.50	µg/L	10.0		113	70-130			
1,2-Dichlorobenzene	11.1	1.0	µg/L	10.0		111	70-130			
1,3-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130			
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
Dichlorodifluoromethane (Freon 12)	9.95	2.0	µg/L	10.0		99.5	40-160			†
1,1-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,2-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130			
1,1-Dichloroethylene	9.21	1.0	µg/L	10.0		92.1	70-130			
cis-1,2-Dichloroethylene	11.4	1.0	µg/L	10.0		114	70-130			
trans-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130			
1,2-Dichloropropane	11.0	1.0	µg/L	10.0		110	70-130			
cis-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130			
trans-1,3-Dichloropropene	11.1	0.50	µg/L	10.0		111	70-130			
1,4-Dioxane	108	50	µg/L	100		108	40-130			†
Ethylbenzene	10.7	1.0	µg/L	10.0		107	70-130			
2-Hexanone (MBK)	131	10	µg/L	100		131	70-160			V-20 †
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130			
Methyl Acetate	9.44	1.0	µg/L	10.0		94.4	70-130			
Methyl tert-Butyl Ether (MTBE)	11.2	1.0	µg/L	10.0		112	70-130			
Methyl Cyclohexane	10.7	1.0	µg/L	10.0		107	70-130			
Methylene Chloride	11.2	5.0	µg/L	10.0		112	70-130			
4-Methyl-2-pentanone (MIBK)	126	10	µg/L	100		126	70-160			V-20 †
Styrene	10.6	1.0	µg/L	10.0		106	70-130			
1,1,2,2-Tetrachloroethane	11.2	0.50	µg/L	10.0		112	70-130			
Tetrachloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
Toluene	10.7	1.0	µg/L	10.0		107	70-130			
1,2,3-Trichlorobenzene	12.7	5.0	µg/L	10.0		127	70-130			
1,2,4-Trichlorobenzene	12.0	1.0	µg/L	10.0		120	70-130			
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110	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 B329849 - SW-846 5030B										
LCS (B329849-BS1)										
Prepared & Analyzed: 01/27/23										
1,1,2-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130			
Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
Trichlorofluoromethane (Freon 11)	8.98	2.0	µg/L	10.0		89.8	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3	1.0	µg/L	10.0		103	70-130			
Vinyl Chloride	8.98	2.0	µg/L	10.0		89.8	40-160			†
m+p Xylene	21.3	2.0	µg/L	20.0		107	70-130			
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130			
Xylenes (total)	32.0	1.0	µg/L	30.0		107	0-200			
Surrogate: 1,2-Dichloroethane-d4	27.2		µg/L	25.0		109	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	24.1		µg/L	25.0		96.4	70-130			
LCS Dup (B329849-BSD1)										
Prepared & Analyzed: 01/27/23										
Acetone	96.9	50	µg/L	100		96.9	70-160	4.91	25	†
Benzene	10.7	1.0	µg/L	10.0		107	70-130	0.938	25	
Bromochloromethane	10.8	1.0	µg/L	10.0		108	70-130	4.06	25	
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130	1.59	25	
Bromoform	9.20	1.0	µg/L	10.0		92.0	70-130	2.31	25	
Bromomethane	9.07	2.0	µg/L	10.0		90.7	40-160	5.67	25	†
2-Butanone (MEK)	132	20	µg/L	100		132	40-160	5.65	25	V-20 †
Carbon Disulfide	109	5.0	µg/L	100		109	70-130	2.53	25	
Carbon Tetrachloride	8.99	5.0	µg/L	10.0		89.9	70-130	1.65	25	
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	1.71	25	
Chlorodibromomethane	10.9	0.50	µg/L	10.0		109	70-130	0.826	25	
Chloroethane	9.33	2.0	µg/L	10.0		93.3	70-130	0.861	25	
Chloroform	9.98	2.0	µg/L	10.0		99.8	70-130	1.20	25	
Chloromethane	8.75	2.0	µg/L	10.0		87.5	40-160	4.08	25	V-05 †
Cyclohexane	11.2	5.0	µg/L	10.0		112	70-130	1.24	25	
1,2-Dibromo-3-chloropropane (DBCP)	12.5	5.0	µg/L	10.0		125	70-130	0.644	25	V-20
1,2-Dibromoethane (EDB)	11.3	0.50	µg/L	10.0		113	70-130	0.0883	25	
1,2-Dichlorobenzene	10.9	1.0	µg/L	10.0		109	70-130	1.81	25	
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	2.62	25	
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	0.476	25	
Dichlorodifluoromethane (Freon 12)	9.61	2.0	µg/L	10.0		96.1	40-160	3.48	25	†
1,1-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130	0.462	25	
1,2-Dichloroethane	9.89	1.0	µg/L	10.0		98.9	70-130	1.21	25	
1,1-Dichloroethylene	8.96	1.0	µg/L	10.0		89.6	70-130	2.75	25	
cis-1,2-Dichloroethylene	11.4	1.0	µg/L	10.0		114	70-130	0.438	25	
trans-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	2.73	25	
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130	2.03	25	
cis-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130	0.185	25	
trans-1,3-Dichloropropene	10.9	0.50	µg/L	10.0		109	70-130	2.27	25	
1,4-Dioxane	117	50	µg/L	100		117	40-130	7.93	50	† ‡
Ethylbenzene	10.8	1.0	µg/L	10.0		108	70-130	0.557	25	
2-Hexanone (MBK)	135	10	µg/L	100		135	70-160	3.40	25	V-20 †
Isopropylbenzene (Cumene)	10.5	1.0	µg/L	10.0		105	70-130	0.383	25	
Methyl Acetate	9.50	1.0	µg/L	10.0		95.0	70-130	0.634	25	
Methyl tert-Butyl Ether (MTBE)	10.8	1.0	µg/L	10.0		108	70-130	3.00	25	
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130	0.564	25	
Methylene Chloride	10.9	5.0	µg/L	10.0		109	70-130	2.81	25	
4-Methyl-2-pentanone (MIBK)	131	10	µg/L	100		131	70-160	3.84	25	V-20 †
Styrene	10.6	1.0	µg/L	10.0		106	70-130	0.283	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 B329849 - SW-846 5030B										
LCS Dup (B329849-BSD1)				Prepared & Analyzed: 01/27/23						
1,1,2,2-Tetrachloroethane	11.5	0.50	µg/L	10.0		115	70-130	3.09	25	
Tetrachloroethylene	10.8	1.0	µg/L	10.0		108	70-130	2.63	25	
Toluene	10.6	1.0	µg/L	10.0		106	70-130	0.563	25	
1,2,3-Trichlorobenzene	13.3	5.0	µg/L	10.0		133	* 70-130	4.93	25	L-07
1,2,4-Trichlorobenzene	12.0	1.0	µg/L	10.0		120	70-130	0.251	25	
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	4.16	25	
1,1,2-Trichloroethane	11.1	1.0	µg/L	10.0		111	70-130	0.998	25	
Trichloroethylene	10.7	1.0	µg/L	10.0		107	70-130	2.85	25	
Trichlorofluoromethane (Freon 11)	9.03	2.0	µg/L	10.0		90.3	70-130	0.555	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2	1.0	µg/L	10.0		102	70-130	1.07	25	
Vinyl Chloride	8.27	2.0	µg/L	10.0		82.7	40-160	8.23	25	†
m+p Xylene	21.2	2.0	µg/L	20.0		106	70-130	0.423	25	
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130	0.0940	25	
Xylenes (total)	31.9	1.0	µg/L	30.0		106	0-200	0.251		
Surrogate: 1,2-Dichloroethane-d4	26.6		µg/L	25.0		106	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	24.2		µg/L	25.0		96.8	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

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

Batch B329760 - EPA 200.7
Blank (B329760-BLK1)

Prepared: 01/26/23 Analyzed: 01/27/23

Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							

LCS (B329760-BS1)

Prepared: 01/26/23 Analyzed: 01/27/23

Aluminum	0.467	0.050	mg/L	0.500		93.3	85-115			
Iron	3.96	0.050	mg/L	4.00		99.0	85-115			
Zinc	0.992	0.010	mg/L	1.00		99.2	85-115			

LCS Dup (B329760-BSD1)

Prepared: 01/26/23 Analyzed: 01/27/23

Aluminum	0.455	0.050	mg/L	0.500		91.0	85-115	2.51	20	
Iron	3.89	0.050	mg/L	4.00		97.2	85-115	1.84	20	
Zinc	0.984	0.010	mg/L	1.00		98.4	85-115	0.764	20	

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

QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B329731 - SM21-23 2540D										
Blank (B329731-BLK1)				Prepared & Analyzed: 01/26/23						
Total Suspended Solids	ND	2.5	mg/L							
LCS (B329731-BS1)				Prepared & Analyzed: 01/26/23						
Total Suspended Solids	165	5.0	mg/L	200		82.5	64.1-125			
Batch B331299 - EPA 1664B										
Blank (B331299-BLK1)				Prepared & Analyzed: 02/13/23						
Silica Gel Treated HEM (SGT-HEM)	ND	1.4	mg/L							
LCS (B331299-BS1)				Prepared & Analyzed: 02/13/23						
Silica Gel Treated HEM (SGT-HEM)	9.4	1.4	mg/L	10.0		94.0	64-132			
Duplicate (B331299-DUP1)				Source: 23A2354-01			Prepared & Analyzed: 02/13/23			
Silica Gel Treated HEM (SGT-HEM)	ND	1.6	mg/L		1.2			NC	18	
Matrix Spike (B331299-MS1)				Source: 23A2354-01			Prepared & Analyzed: 02/13/23			
Silica Gel Treated HEM (SGT-HEM)	120	14	mg/L	100	ND	119	64-132			

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

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SM21-23 2540D in Water</i>	
Total Suspended Solids	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
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
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
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023

CHAIN OF CUSTODY

**Client: New York State Dept. of
Environmental Conservation**

i	23	23

DEC Site #: 907016

FED-EX Tracking #	PAGE	OF
	Bottle Order Control #	
Lab Quote #	Lab Job #	

PAGE 1 OF 1

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

 **Standard 14 Days**

1 day RUSH

☐ Other

Laboratory Information

Lab: Pace Analytical Services

Address: 39 Spruce St, East Longmeadow, MA 01028

Phone: 518-608-1036

Lab PM: Michael Buttrick

Lab PM Email:

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + QC Summary

FULLT1 (Level 3 & 4)

NI Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

NJ Data of Known Quality Protocol Reporting

NYASP Category A

 **NYASP Category B**

State Forms

EDD Format

☒ Other NYSDEC EDD FOR NYSDEC EQUIS

Sample Custody must be documented below each time samples change possession, including courier.		
1 Relinquished By Sampler: <i>[Signature]</i>	Date / Time: 11/23/23 1200	Received By: <i>[Signature]</i> 3-0 112
2 Relinquished By :	Date / Time:	Received By:
3 Relinquished By :	Date / Time:	Received By:
Custody Seal Number: ☐ Intact ☐ Preserved where applicable		

(https://www.fedex.com/en-us/home.html)

FedEx® Tracking



DELIVERED

Tuesday

1/24/2023 at 9:01 am

Signed for by: L.ARROYO

↓ Obtain Proof of delivery

DELIVERY STATUS

Delivered

TRACKING ID

626047584571

FROM

MELVILLE, NY US

Label Created

1/23/2023 3:50 PM

PACKAGE RECEIVED BY FEDEX

MELVILLE, NY

1/23/2023 5:56 PM

IN TRANSIT

WINDSOR LOCKS, CT

1/24/2023 7:12 AM

OUT FOR DELIVERY

WINDSOR LOCKS, CT

1/24/2023 7:22 AM

DELIVERED

EAST LONGMEADOW, MA US

DELIVERED

1/24/2023 at 9:01 AM

↓ View travel history

Want updates on this shipment? Enter your email and we will do the rest!

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Manage Delivery



Shipment facts



39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.pacelabs.com

ENV-FRM-ELON-0001 v02__ Sample Receiving Checklist 1-12-2023

Log In Back-Sheet

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



Client GES
Project NYSDEC / Falconi
MCP/RCP Required no
Deliverable Package Requirement NY Cat-B
Location Frewsburg, NY
PWSID# (When Applicable) no
Arrival Method Fed Ex (*626049584571)
Received By / Date / Time LA 1/24/23 0901
Back-Sheet By / Date / Time MM 1/24/23 1610
Temperature Method Gon # 3
Temp < 6° C ☒ Actual Temperature 30
Rush Samples: Yes / No No Notify
Short Hold: Yes / No 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	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☒	☐
Lab to Filters	☐	☒
COC Legible	☒	☐
COC Included: (Check all included)		
Client ☒	Analysis ☒	Sampler Name ☒
Project ☒	IDs ☒	Collection Date/Time ☒
All Samples Proper PH	☒	☐

Notes regarding Samples/COC outside of SOP:

Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	Na2S2O3	Other Preservative
1L <u>Amber</u> <u>Plastic</u>	<u>IP</u>			<u>2A</u>				
500 mL <u>Amber</u> <u>Plastic</u>								
250 mL <u>Amber</u> <u>Plastic</u>			<u>1</u>					
Other <u>Amber</u> <u>Clear</u> <u>Plastic</u>								
16oz <u>Amber</u> <u>Clear</u>								
8oz <u>Amber</u> <u>Clear</u>								
4oz <u>Amber</u> <u>Clear</u>								
2oz <u>Amber</u> <u>Clear</u>								
Col/Bacteria								
Flashpoint								
Plastic Bag								
SOC Kit								
Perchlorate								
Encore								
Frozen								
Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials <u>16</u>		<u>4</u>						

March 6, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23B2413

Enclosed are results of analyses for samples as received by the laboratory on February 22, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 3/6/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23B2413

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

PROJECT LOCATION: 300 Falconer Street, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Outfall 001	23B2413-01	Water		EPA 1664B EPA 200.7 SW-846 8260D	
Trip Blank	23B2413-02	Water		SW-846 8260D	

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

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

EPA 200.7**Qualifications:**

B-08

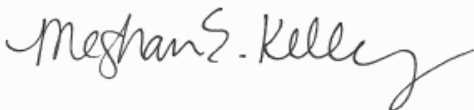
Continuing Calibration Blank (CCB) was greater than the method detection limit but less than the reporting limit.

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

23B2413-01[Outfall 001]

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

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23B2413

Date Received: 2/22/2023

Field Sample #: Outfall 001

Sampled: 2/21/2023 13:10

Sample ID: 23B2413-01

Sample Matrix: 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	2/24/23	2/25/23 4:15	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23B2413

Date Received: 2/22/2023

Field Sample #: Outfall 001

Sampled: 2/21/2023 13:10

Sample ID: 23B2413-01

Sample Matrix: 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	2/24/23	2/25/23 4:15	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	2/24/23	2/25/23 4:15	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	105	70-130	
Toluene-d8	103	70-130	
4-Bromofluorobenzene	100	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23B2413

Date Received: 2/22/2023

Field Sample #: Outfall 001

Sampled: 2/21/2023 13:10

Sample ID: 23B2413-01

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.048	0.050	0.045	mg/L	1	J	EPA 200.7	2/23/23	2/24/23 17:49	NC
Iron	0.38	0.050	0.047	mg/L	1		EPA 200.7	2/23/23	2/24/23 17:49	NC
Zinc	0.016	0.010	0.0042	mg/L	1	B-08	EPA 200.7	2/23/23	2/24/23 17:49	NC

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23B2413

Date Received: 2/22/2023

Field Sample #: Outfall 001

Sampled: 2/21/2023 13:10

Sample ID: 23B2413-01

Sample Matrix: Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Silica Gel Treated HEM (SGT-HEM)	ND	1.4	0.42	mg/L	1		EPA 1664B	3/6/23	3/6/23 11:00	LL

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23B2413

Date Received: 2/22/2023

Field Sample #: Trip Blank

Sampled: 2/21/2023 00:00

Sample ID: 23B2413-02

Sample Matrix: 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	2/24/23	2/25/23 2:52	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Chloroform	0.36	2.0	0.17	µg/L	1	J	SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23B2413

Date Received: 2/22/2023

Field Sample #: Trip Blank

Sampled: 2/21/2023 00:00

Sample ID: 23B2413-02

Sample Matrix: 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	2/24/23	2/25/23 2:52	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	2/24/23	2/25/23 2:52	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	102	70-130	
4-Bromofluorobenzene	98.8	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
23B2413-01 [Outfall 001]	B33253	1000	03/06/23

Prep Method: EPA 200.7 Analytical Method: EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23B2413-01 [Outfall 001]	B332458	50.0	50.0	02/23/23

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23B2413-01 [Outfall 001]	B332579	5	5.00	02/24/23
23B2413-02 [Trip Blank]	B332579	5	5.00	02/24/23

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

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

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

Batch B332579 - SW-846 5030B
Blank (B332579-BLK1)

Prepared: 02/24/23 Analyzed: 02/25/23

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
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 B332579 - SW-846 5030B										
Blank (B332579-BLK1)										
Prepared: 02/24/23 Analyzed: 02/25/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	26.2		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.0		99.8	70-130			
LCS (B332579-BS1)										
Prepared: 02/24/23 Analyzed: 02/25/23										
Acetone	95.6	50	µg/L	100		95.6	70-160			†
Benzene	9.27	1.0	µg/L	10.0		92.7	70-130			
Bromochloromethane	10.2	1.0	µg/L	10.0		102	70-130			
Bromodichloromethane	9.83	0.50	µg/L	10.0		98.3	70-130			
Bromoform	9.74	1.0	µg/L	10.0		97.4	70-130			
Bromomethane	11.3	2.0	µg/L	10.0		113	40-160			†
2-Butanone (MEK)	94.5	20	µg/L	100		94.5	40-160			†
Carbon Disulfide	110	5.0	µg/L	100		110	70-130			
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106	70-130			
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
Chlorodibromomethane	10.2	0.50	µg/L	10.0		102	70-130			
Chloroethane	11.3	2.0	µg/L	10.0		113	70-130			
Chloroform	9.65	2.0	µg/L	10.0		96.5	70-130			
Chloromethane	8.55	2.0	µg/L	10.0		85.5	40-160			†
Cyclohexane	9.62	5.0	µg/L	10.0		96.2	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.46	5.0	µg/L	10.0		84.6	70-130			
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130			
1,2-Dichlorobenzene	9.72	1.0	µg/L	10.0		97.2	70-130			
1,3-Dichlorobenzene	9.65	1.0	µg/L	10.0		96.5	70-130			
1,4-Dichlorobenzene	9.62	1.0	µg/L	10.0		96.2	70-130			
Dichlorodifluoromethane (Freon 12)	9.96	2.0	µg/L	10.0		99.6	40-160			†
1,1-Dichloroethane	9.67	1.0	µg/L	10.0		96.7	70-130			
1,2-Dichloroethane	9.99	1.0	µg/L	10.0		99.9	70-130			
1,1-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
cis-1,2-Dichloroethylene	9.86	1.0	µg/L	10.0		98.6	70-130			
trans-1,2-Dichloroethylene	9.48	1.0	µg/L	10.0		94.8	70-130			
1,2-Dichloropropane	9.17	1.0	µg/L	10.0		91.7	70-130			
cis-1,3-Dichloropropene	9.07	0.50	µg/L	10.0		90.7	70-130			
trans-1,3-Dichloropropene	8.99	0.50	µg/L	10.0		89.9	70-130			
1,4-Dioxane	93.3	50	µg/L	100		93.3	40-130			†
Ethylbenzene	9.93	1.0	µg/L	10.0		99.3	70-130			
2-Hexanone (MBK)	92.8	10	µg/L	100		92.8	70-160			†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130			
Methyl Acetate	10.1	1.0	µg/L	10.0		101	70-130			
Methyl tert-Butyl Ether (MTBE)	9.33	1.0	µg/L	10.0		93.3	70-130			
Methyl Cyclohexane	9.65	1.0	µg/L	10.0		96.5	70-130			
Methylene Chloride	9.75	5.0	µg/L	10.0		97.5	70-130			
4-Methyl-2-pentanone (MIBK)	95.2	10	µg/L	100		95.2	70-160			†
Styrene	9.89	1.0	µg/L	10.0		98.9	70-130			
1,1,2,2-Tetrachloroethane	7.72	0.50	µg/L	10.0		77.2	70-130			
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
Toluene	9.83	1.0	µg/L	10.0		98.3	70-130			
1,2,3-Trichlorobenzene	8.88	5.0	µg/L	10.0		88.8	70-130			
1,2,4-Trichlorobenzene	8.89	1.0	µg/L	10.0		88.9	70-130			
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130			

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B332579 - SW-846 5030B										
LCS (B332579-BS1)										
Prepared: 02/24/23 Analyzed: 02/25/23										
1,1,2-Trichloroethane	9.78	1.0	µg/L	10.0		97.8	70-130			
Trichloroethylene	11.9	1.0	µg/L	10.0		119	70-130			
Trichlorofluoromethane (Freon 11)	11.5	2.0	µg/L	10.0		115	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	1.0	µg/L	10.0		109	70-130			
Vinyl Chloride	8.32	2.0	µg/L	10.0		83.2	40-160			†
m+p Xylene	20.6	2.0	µg/L	20.0		103	70-130			
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130			
Xylenes (total)	30.8	1.0	µg/L	30.0		103	0-200			
Surrogate: 1,2-Dichloroethane-d4	26.1		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	26.0		µg/L	25.0		104	70-130			
LCS Dup (B332579-BSD1)										
Prepared: 02/24/23 Analyzed: 02/25/23										
Acetone	110	50	µg/L	100		110	70-160	13.8	25	†
Benzene	9.52	1.0	µg/L	10.0		95.2	70-130	2.66	25	
Bromochloromethane	10.6	1.0	µg/L	10.0		106	70-130	4.34	25	
Bromodichloromethane	10.0	0.50	µg/L	10.0		100	70-130	1.81	25	
Bromoform	10.7	1.0	µg/L	10.0		107	70-130	9.30	25	
Bromomethane	11.6	2.0	µg/L	10.0		116	40-160	2.88	25	†
2-Butanone (MEK)	107	20	µg/L	100		107	40-160	12.0	25	†
Carbon Disulfide	105	5.0	µg/L	100		105	70-130	4.51	25	
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106	70-130	0.189	25	
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	2.33	25	
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107	70-130	4.51	25	
Chloroethane	11.0	2.0	µg/L	10.0		110	70-130	2.87	25	
Chloroform	9.79	2.0	µg/L	10.0		97.9	70-130	1.44	25	
Chloromethane	8.92	2.0	µg/L	10.0		89.2	40-160	4.24	25	†
Cyclohexane	9.80	5.0	µg/L	10.0		98.0	70-130	1.85	25	
1,2-Dibromo-3-chloropropane (DBCP)	10.4	5.0	µg/L	10.0		104	70-130	20.8	25	
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0		110	70-130	7.87	25	
1,2-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	8.09	25	
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	5.05	25	
1,4-Dichlorobenzene	9.78	1.0	µg/L	10.0		97.8	70-130	1.65	25	
Dichlorodifluoromethane (Freon 12)	9.89	2.0	µg/L	10.0		98.9	40-160	0.705	25	†
1,1-Dichloroethane	9.51	1.0	µg/L	10.0		95.1	70-130	1.67	25	
1,2-Dichloroethane	10.3	1.0	µg/L	10.0		103	70-130	3.06	25	
1,1-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	1.80	25	
cis-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	1.91	25	
trans-1,2-Dichloroethylene	9.72	1.0	µg/L	10.0		97.2	70-130	2.50	25	
1,2-Dichloropropane	9.31	1.0	µg/L	10.0		93.1	70-130	1.52	25	
cis-1,3-Dichloropropene	9.30	0.50	µg/L	10.0		93.0	70-130	2.50	25	
trans-1,3-Dichloropropene	9.14	0.50	µg/L	10.0		91.4	70-130	1.65	25	
1,4-Dioxane	118	50	µg/L	100		118	40-130	23.3	50	† ‡
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	2.98	25	
2-Hexanone (MBK)	109	10	µg/L	100		109	70-160	16.2	25	†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130	1.55	25	
Methyl Acetate	11.2	1.0	µg/L	10.0		112	70-130	10.6	25	
Methyl tert-Butyl Ether (MTBE)	10.1	1.0	µg/L	10.0		101	70-130	8.22	25	
Methyl Cyclohexane	9.64	1.0	µg/L	10.0		96.4	70-130	0.104	25	
Methylene Chloride	9.90	5.0	µg/L	10.0		99.0	70-130	1.53	25	
4-Methyl-2-pentanone (MIBK)	109	10	µg/L	100		109	70-160	13.4	25	†
Styrene	10.4	1.0	µg/L	10.0		104	70-130	5.03	25	

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B332579 - SW-846 5030B										
LCS Dup (B332579-BSD1)										
Prepared: 02/24/23 Analyzed: 02/25/23										
1,1,2,2-Tetrachloroethane	9.54	0.50	µg/L	10.0		95.4	70-130	21.1	25	
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130	0.193	25	
Toluene	9.96	1.0	µg/L	10.0		99.6	70-130	1.31	25	
1,2,3-Trichlorobenzene	10.6	5.0	µg/L	10.0		106	70-130	17.8	25	
1,2,4-Trichlorobenzene	9.88	1.0	µg/L	10.0		98.8	70-130	10.5	25	
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130	0.581	25	
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130	7.39	25	
Trichloroethylene	11.3	1.0	µg/L	10.0		113	70-130	5.24	25	
Trichlorofluoromethane (Freon 11)	11.3	2.0	µg/L	10.0		113	70-130	1.75	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130	3.83	25	
Vinyl Chloride	7.83	2.0	µg/L	10.0		78.3	40-160	6.07	25	†
m+p Xylene	21.0	2.0	µg/L	20.0		105	70-130	2.07	25	
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130	3.16	25	
Xylenes (total)	31.6	1.0	µg/L	30.0		105	0-200	2.44		
Surrogate: 1,2-Dichloroethane-d4	26.5		µg/L	25.0		106	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	26.2		µg/L	25.0		105	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

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

Batch B332458 - EPA 200.7
Blank (B332458-BLK1)

Prepared: 02/23/23 Analyzed: 02/24/23

Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							

LCS (B332458-BS1)

Prepared: 02/23/23 Analyzed: 02/24/23

Aluminum	0.465	0.050	mg/L	0.500		92.9	85-115			
Iron	3.88	0.050	mg/L	4.00		97.0	85-115			
Zinc	0.997	0.010	mg/L	1.00		99.7	85-115			

LCS Dup (B332458-BSD1)

Prepared: 02/23/23 Analyzed: 02/24/23

Aluminum	0.450	0.050	mg/L	0.500		90.1	85-115	3.11	20	
Iron	3.82	0.050	mg/L	4.00		95.4	85-115	1.73	20	
Zinc	0.977	0.010	mg/L	1.00		97.7	85-115	2.03	20	

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

QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch B333253 - EPA 1664B								
Blank (B333253-BLK1)				Prepared & Analyzed: 03/06/23				
Silica Gel Treated HEM (SGT-HEM)	ND	1.4	mg/L					
LCS (B333253-BS1)				Prepared & Analyzed: 03/06/23				
Silica Gel Treated HEM (SGT-HEM)	9.6	1.4	mg/L	10.0	96.0	64-132		
Duplicate (B333253-DUP1)				Prepared & Analyzed: 03/06/23				
Silica Gel Treated HEM (SGT-HEM)	0.50	1.4	mg/L	ND			NC	18 J

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**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.
B-08	Continuing Calibration Blank (CCB) was greater than the method detection limit but less than the reporting limit.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-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
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023



25132413
MS Client: New York State Dept. of
Environmental Conservation
2/21/23

PAGE 1 OF 1

Bottle Order Control #

FED-EX Tracking #

Lab Quote #

Lab Job #	

Turnaround Time (Business Days) Approved By (Lab PM) / Date

 Standard 14 Days

1 day RUSH

☐ Other _____

Laboratory Information

Lab: Pace Analytical Services

Address: 39 Spruce St, East Longmeadow, MA 01028

Phone: 518-608-1036

Lab PM: Michael Buttrick

Lab PM Email:

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + QC Summary

FullT1 (Level 3 & 4)

NI Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

NJ Data of Known Quality Protocol Reporting

NYASP Category A

☒ NYASP Category 8

State Forms

 EDD Format

 Other NYSDEC EDD FOR NYSDEC EQUIS

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Wednesday

2/22/2023 at 9:35 am

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DELIVERY STATUS

Delivered

TRACKING ID

791331303487

FROM

AMHERST, NY US

Label Created

1/30/2023 1:01 PM

PACKAGE RECEIVED BY FEDEX

JAMESTOWN, NY

2/21/2023 3:06 PM

IN TRANSIT

WINDSOR LOCKS, CT

2/22/2023 7:08 AM

OUT FOR DELIVERY

WINDSOR LOCKS, CT

2/22/2023 7:16 AM

DELIVERED

East Longmeadow, MA US

Delivered

2/22/2023 at 9:35 AM

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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



Client GES
Project Frewsburg
MCP/RCP Required N/A
Deliverable Package Req. CAT B
Location 300 Falkner Street, Frewsburg, NY
PWSID# (When Applicable) N/A
Arrival Method:
Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐
Received By / Date / Time LA 2/22/23 935
Back-Sheet By / Date / Time LA 2/22/23 1358
Temperature Method gun # 5
Temp ☒ < 6° C Actual Temperature 2.9
Rush Samples: Yes ☒ No ☐ Notify _____
Short Hold: Yes ☒ No ☐ Notify _____

Notes regarding Samples/COC outside of SOP:

1 Liter Plastic bottle received
With the lid open in cooler
and all leaked out.

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

Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	Na2S2O3	Other Preservative
1L <u>Amber</u> <u>Plastic</u>	1			2				
500 mL <u>Amber</u> <u>Plastic</u>								
250 mL <u>Amber</u> <u>Plastic</u>			1					
Other <u>Amber</u> <u>Clear</u> <u>Plastic</u>								
16oz <u>Amber</u> <u>Clear</u>								
8oz <u>Amber</u> <u>Clear</u>								
4oz <u>Amber</u> <u>Clear</u>								
2oz <u>Amber</u> <u>Clear</u>								
Col/Bacteria								
Flashpoint								
Plastic Bag								
SOC Kit								
Perchlorate								
Encore								
Frozen								
Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials <u>MA</u>		4						

March 23, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23C1688

Enclosed are results of analyses for samples as received by the laboratory on March 15, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 3/23/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23C1688

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

PROJECT LOCATION: 300 Falconer Street, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Outfall 001	23C1688-01	Ground Water		EPA 1664B EPA 200.7 SM21-23 2540D SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

SW-846 8260D

Qualifications:

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:

Chloromethane

23C1688-01[Outfall 001], B334451-BLK1, B334451-BS1, B334451-BSD1, S084757-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

B334451-BS1, B334451-BSD1, S084757-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:

Chloroethane

B334451-BS1, B334451-BSD1, S084757-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.



Daren J. Damboragian
Director of Operations

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23C1688

Date Received: 3/15/2023

Field Sample #: Outfall 001

Sampled: 3/14/2023 12:10

Sample ID: 23C1688-01

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	3.3	50	2.0	µg/L	1	J	SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Chloromethane	ND	2.0	0.50	µg/L	1	V-05	SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23C1688

Date Received: 3/15/2023

Field Sample #: Outfall 001

Sampled: 3/14/2023 12:10

Sample ID: 23C1688-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	3/17/23	3/18/23 1:17	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	110	70-130	
Toluene-d8	102	70-130	
4-Bromofluorobenzene	98.0	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23C1688

Date Received: 3/15/2023

Field Sample #: Outfall 001

Sampled: 3/14/2023 12:10

Sample ID: 23C1688-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.048	0.050	0.045	mg/L	1	J	EPA 200.7	3/16/23	3/17/23 16:16	HNN
Iron	ND	0.050	0.047	mg/L	1		EPA 200.7	3/16/23	3/17/23 16:16	HNN
Zinc	0.0089	0.010	0.0042	mg/L	1	J	EPA 200.7	3/16/23	3/17/23 16:16	HNN

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23C1688

Date Received: 3/15/2023

Field Sample #: Outfall 001

Sampled: 3/14/2023 12:10

Sample ID: 23C1688-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	0.67	0.38	mg/L	1		SM21-23 2540D	3/18/23	3/18/23 11:45	DRA
Silica Gel Treated HEM (SGT-HEM)	0.50	1.4	0.42	mg/L	1	J	EPA 1664B	3/16/23	3/16/23 10:20	LL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
23C1688-01 [Outfall 001]	B334324	1000	03/16/23

Prep Method: EPA 200.7 Analytical Method: EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23C1688-01 [Outfall 001]	B334396	50.0	50.0	03/16/23

SM21-23 2540D

Lab Number [Field ID]	Batch	Initial [mL]	Date
23C1688-01 [Outfall 001]	B334562	750	03/18/23

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23C1688-01 [Outfall 001]	B334451	5	5.00	03/17/23

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

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

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

Batch B334451 - SW-846 5030B
Blank (B334451-BLK1)

Prepared & Analyzed: 03/17/23

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05
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							

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B334451 - SW-846 5030B										
Blank (B334451-BLK1)										
Prepared & Analyzed: 03/17/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	27.7		µg/L	25.0		111	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	24.4		µg/L	25.0		97.4	70-130			
LCS (B334451-BS1)										
Prepared & Analyzed: 03/17/23										
Acetone	104	50	µg/L	100		104	70-160			†
Benzene	10.1	1.0	µg/L	10.0		101	70-130			
Bromochloromethane	11.9	1.0	µg/L	10.0		119	70-130			
Bromodichloromethane	10.5	0.50	µg/L	10.0		105	70-130			
Bromoform	9.95	1.0	µg/L	10.0		99.5	70-130			
Bromomethane	11.2	2.0	µg/L	10.0		112	40-160			†
2-Butanone (MEK)	111	20	µg/L	100		111	40-160			†
Carbon Disulfide	120	5.0	µg/L	100		120	70-130			
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130			
Chlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
Chlorodibromomethane	10.2	0.50	µg/L	10.0		102	70-130			
Chloroethane	12.2	2.0	µg/L	10.0		122	70-130			V-20
Chloroform	10.5	2.0	µg/L	10.0		105	70-130			
Chloromethane	8.60	2.0	µg/L	10.0		86.0	40-160			V-05 †
Cyclohexane	10.6	5.0	µg/L	10.0		106	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.12	5.0	µg/L	10.0		91.2	70-130			
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.0		100	70-130			
1,2-Dichlorobenzene	9.89	1.0	µg/L	10.0		98.9	70-130			
1,3-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130			
1,4-Dichlorobenzene	9.92	1.0	µg/L	10.0		99.2	70-130			
Dichlorodifluoromethane (Freon 12)	10.2	2.0	µg/L	10.0		102	40-160			†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
1,2-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
1,1-Dichloroethylene	11.5	1.0	µg/L	10.0		115	70-130			
cis-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
1,2-Dichloropropane	9.89	1.0	µg/L	10.0		98.9	70-130			
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130			
trans-1,3-Dichloropropene	9.56	0.50	µg/L	10.0		95.6	70-130			
1,4-Dioxane	100	50	µg/L	100		100	40-130			†
Ethylbenzene	10.0	1.0	µg/L	10.0		100	70-130			
2-Hexanone (MBK)	107	10	µg/L	100		107	70-160			†
Isopropylbenzene (Cumene)	9.99	1.0	µg/L	10.0		99.9	70-130			
Methyl Acetate	11.5	1.0	µg/L	10.0		115	70-130			
Methyl tert-Butyl Ether (MTBE)	9.99	1.0	µg/L	10.0		99.9	70-130			
Methyl Cyclohexane	9.44	1.0	µg/L	10.0		94.4	70-130			
Methylene Chloride	12.0	5.0	µg/L	10.0		120	70-130			
4-Methyl-2-pentanone (MIBK)	106	10	µg/L	100		106	70-160			†
Styrene	10.2	1.0	µg/L	10.0		102	70-130			
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130			
Tetrachloroethylene	9.93	1.0	µg/L	10.0		99.3	70-130			
Toluene	9.71	1.0	µg/L	10.0		97.1	70-130			
1,2,3-Trichlorobenzene	9.79	5.0	µg/L	10.0		97.9	70-130			
1,2,4-Trichlorobenzene	9.58	1.0	µg/L	10.0		95.8	70-130			
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		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 B334451 - SW-846 5030B										
LCS (B334451-BS1)										
Prepared & Analyzed: 03/17/23										
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
Trichloroethylene	9.64	1.0	µg/L	10.0		96.4	70-130			
Trichlorofluoromethane (Freon 11)	11.6	2.0	µg/L	10.0		116	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.0		110	70-130			
Vinyl Chloride	14.5	2.0	µg/L	10.0		145	40-160			V-06 †
m+p Xylene	20.3	2.0	µg/L	20.0		101	70-130			
o-Xylene	10.1	1.0	µg/L	10.0		101	70-130			
Xylenes (total)	30.4	1.0	µg/L	30.0		101	0-200			
Surrogate: 1,2-Dichloroethane-d4	27.6		µg/L	25.0		110	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.6		µg/L	25.0		102	70-130			
LCS Dup (B334451-BSD1)										
Prepared & Analyzed: 03/17/23										
Acetone	109	50	µg/L	100		109	70-160	4.69	25	†
Benzene	10.3	1.0	µg/L	10.0		103	70-130	2.06	25	
Bromochloromethane	12.2	1.0	µg/L	10.0		122	70-130	2.41	25	
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130	0.853	25	
Bromoform	10.2	1.0	µg/L	10.0		102	70-130	2.29	25	
Bromomethane	12.0	2.0	µg/L	10.0		120	40-160	6.56	25	†
2-Butanone (MEK)	109	20	µg/L	100		109	40-160	1.21	25	†
Carbon Disulfide	121	5.0	µg/L	100		121	70-130	0.985	25	
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130	0.186	25	
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	2.34	25	
Chlorodibromomethane	10.5	0.50	µg/L	10.0		105	70-130	3.48	25	
Chloroethane	12.8	2.0	µg/L	10.0		128	70-130	4.16	25	V-20
Chloroform	10.6	2.0	µg/L	10.0		106	70-130	1.04	25	
Chloromethane	9.40	2.0	µg/L	10.0		94.0	40-160	8.89	25	V-05 †
Cyclohexane	10.7	5.0	µg/L	10.0		107	70-130	1.13	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.77	5.0	µg/L	10.0		97.7	70-130	6.88	25	
1,2-Dibromoethane (EDB)	10.3	0.50	µg/L	10.0		103	70-130	2.37	25	
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	3.28	25	
1,3-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	0.0997	25	
1,4-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	1.10	25	
Dichlorodifluoromethane (Freon 12)	10.1	2.0	µg/L	10.0		101	40-160	1.47	25	†
1,1-Dichloroethane	10.9	1.0	µg/L	10.0		109	70-130	2.89	25	
1,2-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130	0.498	25	
1,1-Dichloroethylene	11.7	1.0	µg/L	10.0		117	70-130	1.72	25	
cis-1,2-Dichloroethylene	11.2	1.0	µg/L	10.0		112	70-130	1.44	25	
trans-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	1.13	25	
1,2-Dichloropropane	10.1	1.0	µg/L	10.0		101	70-130	2.40	25	
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	0.591	25	
trans-1,3-Dichloropropene	9.85	0.50	µg/L	10.0		98.5	70-130	2.99	25	
1,4-Dioxane	91.0	50	µg/L	100		91.0	40-130	9.49	50	† ‡
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	1.09	25	
2-Hexanone (MBK)	106	10	µg/L	100		106	70-160	0.669	25	†
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.0		101	70-130	0.996	25	
Methyl Acetate	11.7	1.0	µg/L	10.0		117	70-130	1.73	25	
Methyl tert-Butyl Ether (MTBE)	10.2	1.0	µg/L	10.0		102	70-130	2.37	25	
Methyl Cyclohexane	9.83	1.0	µg/L	10.0		98.3	70-130	4.05	25	
Methylene Chloride	12.3	5.0	µg/L	10.0		123	70-130	2.06	25	
4-Methyl-2-pentanone (MIBK)	107	10	µg/L	100		107	70-160	0.657	25	†
Styrene	10.2	1.0	µg/L	10.0		102	70-130	0.195	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 B334451 - SW-846 5030B										
LCS Dup (B334451-BSD1)										
Prepared & Analyzed: 03/17/23										
1,1,2,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130	0.197	25	
Tetrachloroethylene	9.84	1.0	µg/L	10.0		98.4	70-130	0.910	25	
Toluene	10.0	1.0	µg/L	10.0		100	70-130	3.44	25	
1,2,3-Trichlorobenzene	10.1	5.0	µg/L	10.0		101	70-130	2.92	25	
1,2,4-Trichlorobenzene	9.76	1.0	µg/L	10.0		97.6	70-130	1.86	25	
1,1,1-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130	2.62	25	
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130	2.83	25	
Trichloroethylene	9.85	1.0	µg/L	10.0		98.5	70-130	2.15	25	
Trichlorofluoromethane (Freon 11)	11.5	2.0	µg/L	10.0		115	70-130	1.21	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	1.0	µg/L	10.0		109	70-130	1.01	25	
Vinyl Chloride	14.2	2.0	µg/L	10.0		142	40-160	2.44	25	V-06 †
m+p Xylene	20.6	2.0	µg/L	20.0		103	70-130	1.76	25	
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130	2.16	25	
Xylenes (total)	30.9	1.0	µg/L	30.0		103	0-200	1.89		
Surrogate: 1,2-Dichloroethane-d4	27.6		µg/L	25.0		110	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.6		µg/L	25.0		102	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

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

Batch B334396 - EPA 200.7
Blank (B334396-BLK1)

Prepared: 03/16/23 Analyzed: 03/17/23

Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							

LCS (B334396-BS1)

Prepared: 03/16/23 Analyzed: 03/17/23

Aluminum	0.460	0.050	mg/L	0.500		92.1	85-115			
Iron	4.13	0.050	mg/L	4.00		103	85-115			
Zinc	1.04	0.010	mg/L	1.00		104	85-115			

LCS Dup (B334396-BSD1)

Prepared: 03/16/23 Analyzed: 03/17/23

Aluminum	0.466	0.050	mg/L	0.500		93.2	85-115	1.18	20	
Iron	4.05	0.050	mg/L	4.00		101	85-115	1.91	20	
Zinc	1.05	0.010	mg/L	1.00		105	85-115	0.985	20	

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

QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B334324 - EPA 1664B										
Blank (B334324-BLK1)				Prepared & Analyzed: 03/16/23						
Silica Gel Treated HEM (SGT-HEM)	ND	1.4	mg/L							
LCS (B334324-BS1)				Prepared & Analyzed: 03/16/23						
Silica Gel Treated HEM (SGT-HEM)	8.0	1.4	mg/L	10.0		80.0	64-132			
Duplicate (B334324-DUP1)				Source: 23C1688-01		Prepared & Analyzed: 03/16/23				
Silica Gel Treated HEM (SGT-HEM)	ND	1.4	mg/L		0.50			NC	18	
Matrix Spike (B334324-MS1)				Source: 23C1688-01		Prepared & Analyzed: 03/16/23				
Silica Gel Treated HEM (SGT-HEM)	96	14	mg/L	100	ND	96.0	64-132			
Batch B334562 - SM21-23 2540D										
Blank (B334562-BLK1)				Prepared & Analyzed: 03/18/23						
Total Suspended Solids	ND	2.5	mg/L							
LCS (B334562-BS1)				Prepared & Analyzed: 03/18/23						
Total Suspended Solids	150	5.0	mg/L	200		75.0	64.1-125			

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

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).
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
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SM21-23 2540D in Water</i>	
Total Suspended Solids	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

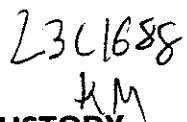
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
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
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
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023



**Client: New York State Dept. of
Environmental Conservation**

12

3	14	23

Turnaround Time (Business Days) Approved By (Lab PM) / Date

 **Standard 14 Days**

1 day RUSH

Other _____

Laboratory Information

Lab: Pace Analytical Services

Address: 39 Spruce St, East Longmeadow, MA 01028

Phone: 518-608-1036

Lab PM: Michael Buttrick

Lab PM Email:

Data Deliverable Information

¹ Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + QC Summary

FULLT1 (Level 3 & 4)

N1 Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

NJ Data of Known Quality Protocol Reporting

NYASP Category A

 NYASP Category B

State Forms

EDD Format

☒ Other NYSDEC EDD FOR NYSDEC EQUIS

Custody Seal Number:	Intact	Preserved where applicable

<https://www.fedex.com/en-us/home.html>

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3/15/2023 at 10:09 am

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DELIVERY STATUS

Delivered

TRACKING ID

791340709610

FROM

EDEN, NY US

Label Created

3/6/2023 1:33 PM

PACKAGE RECEIVED BY FEDEX

JAMESTOWN, NY

3/14/2023 1:31 PM

IN TRANSIT

WINDSOR LOCKS, CT

3/15/2023 7:17 AM

OUT FOR DELIVERY

WINDSOR LOCKS, CT

3/15/2023 7:24 AM

DELIVERED

East Longmeadow, MA US

Delivered

3/15/2023 at 10:09 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

Log In Back-Sheet

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



Client GES

Project Freshburg

MCP/RCP Required N/A

Deliverable Package Req. CAT B

Location 300 Falconer Street, Freshburg, NY

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐

Received By / Date / Time LA 3/15/23 1009

Back-Sheet By / Date / Time LA 3/15/23 1305

Temperature Method gun # 5

Temp ☒ < 6° C Actual Temperature 26

Rush Samples: Yes / ☒ No Notify

Short Hold: Yes / ☒ No Notify

Notes regarding Samples/COC outside of SOP:

Trip Blanks on COC but
not Resaved.

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

Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	Na2S2O3	Other Preservative
1L <u>Amber</u> <u>Plastic</u>	<u>1</u>			<u>2</u>				
500 mL <u>Amber</u> <u>Plastic</u>								
250 mL <u>Amber</u> <u>Plastic</u>			<u>1</u>					
Other <u>Amber</u> <u>Clear</u> <u>Plastic</u>								
16oz <u>Amber</u> <u>Clear</u>								
8oz <u>Amber</u> <u>Clear</u>								
4oz <u>Amber</u> <u>Clear</u>								
2oz <u>Amber</u> <u>Clear</u>								
Col/Bacteria								
Flashpoint								
Plastic Bag								
SOC Kit								
Perchlorate								
Encore								
Frozen								
Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials <u>N/A</u>		<u>2</u>						

May 8, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23D2263

Enclosed are results of analyses for samples as received by the laboratory on April 19, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 5/8/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23D2263

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

PROJECT LOCATION: 300 Falconer Street, Frewsburg, NY

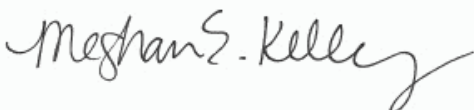
FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Outfall 001	23D2263-01	Ground Water		EPA 1664B EPA 200.7 SM21-23 2540D SW-846 8260D	
Trip Blank	23D2263-02	Trip Blank Water		SW-846 8260D	

CASE NARRATIVE SUMMARY

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

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

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D2263

Date Received: 4/19/2023

Field Sample #: Outfall 001

Sampled: 4/18/2023 10:40

Sample ID: 23D2263-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D2263

Date Received: 4/19/2023

Field Sample #: Outfall 001

Sampled: 4/18/2023 10:40

Sample ID: 23D2263-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/20/23	4/23/23 7:54	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	115	70-130	
Toluene-d8	103	70-130	
4-Bromofluorobenzene	88.7	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D2263

Date Received: 4/19/2023

Field Sample #: Outfall 001

Sampled: 4/18/2023 10:40

Sample ID: 23D2263-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.045	mg/L	1		EPA 200.7	4/20/23	5/6/23 15:32	NC
Iron	0.52	0.050	0.047	mg/L	1		EPA 200.7	4/20/23	5/6/23 15:32	NC
Zinc	0.017	0.010	0.0042	mg/L	1		EPA 200.7	4/20/23	5/6/23 15:32	NC

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D2263

Date Received: 4/19/2023

Field Sample #: Outfall 001

Sampled: 4/18/2023 10:40

Sample ID: 23D2263-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	5.3	1.4	0.80	mg/L	1		SM21-23 2540D	4/24/23	4/24/23 13:49	II
Oil & Grease (HEM)	ND	1.5	0.64	mg/L	1		EPA 1664B	5/8/23	5/8/23 13:16	II

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D2263

Date Received: 4/19/2023

Field Sample #: Trip Blank

Sampled: 4/18/2023 10:40

Sample ID: 23D2263-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23D2263

Date Received: 4/19/2023

Field Sample #: Trip Blank

Sampled: 4/18/2023 10:40

Sample ID: 23D2263-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/20/23	4/23/23 3:54	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	119	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	91.8	70-130	

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Sample Extraction Data**EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
23D2263-01 [Outfall 001]	B339543	940	05/08/23

Prep Method: EPA 200.7 Analytical Method: EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23D2263-01 [Outfall 001]	B337784	50.0	50.0	04/20/23

SM21-23 2540D

Lab Number [Field ID]	Batch	Initial [mL]	Date
23D2263-01 [Outfall 001]	B338029	360	04/24/23

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23D2263-01 [Outfall 001]	B337745	5	5.00	04/20/23
23D2263-02 [Trip Blank]	B337745	5	5.00	04/20/23

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

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

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

Batch B337745 - SW-846 5030B
Blank (B337745-BLK1)

Prepared: 04/20/23 Analyzed: 04/23/23

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
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 B337745 - SW-846 5030B										
Blank (B337745-BLK1)										
Prepared: 04/20/23 Analyzed: 04/23/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	27.8		µg/L	25.0		111	70-130			
Surrogate: Toluene-d8	26.2		µg/L	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	22.0		µg/L	25.0		87.8	70-130			
LCS (B337745-BS1)										
Prepared: 04/20/23 Analyzed: 04/23/23										
Acetone	100	50	µg/L	100		100	70-160			†
Benzene	10.7	1.0	µg/L	10.0		107	70-130			
Bromochloromethane	11.7	1.0	µg/L	10.0		117	70-130			
Bromodichloromethane	10.7	0.50	µg/L	10.0		107	70-130			
Bromoform	8.36	1.0	µg/L	10.0		83.6	70-130			
Bromomethane	9.98	2.0	µg/L	10.0		99.8	40-160			†
2-Butanone (MEK)	106	20	µg/L	100		106	40-160			†
Carbon Disulfide	89.1	5.0	µg/L	100		89.1	70-130			
Carbon Tetrachloride	9.89	5.0	µg/L	10.0		98.9	70-130			
Chlorobenzene	9.52	1.0	µg/L	10.0		95.2	70-130			
Chlorodibromomethane	9.78	0.50	µg/L	10.0		97.8	70-130			
Chloroethane	9.89	2.0	µg/L	10.0		98.9	70-130			
Chloroform	10.7	2.0	µg/L	10.0		107	70-130			
Chloromethane	9.42	2.0	µg/L	10.0		94.2	40-160			†
Cyclohexane	10.8	5.0	µg/L	10.0		108	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.27	5.0	µg/L	10.0		92.7	70-130			
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130			
1,2-Dichlorobenzene	9.79	1.0	µg/L	10.0		97.9	70-130			
1,3-Dichlorobenzene	9.76	1.0	µg/L	10.0		97.6	70-130			
1,4-Dichlorobenzene	9.39	1.0	µg/L	10.0		93.9	70-130			
Dichlorodifluoromethane (Freon 12)	12.3	2.0	µg/L	10.0		123	40-160			†
1,1-Dichloroethane	9.47	1.0	µg/L	10.0		94.7	70-130			
1,2-Dichloroethane	11.7	1.0	µg/L	10.0		117	70-130			
1,1-Dichloroethylene	9.75	1.0	µg/L	10.0		97.5	70-130			
cis-1,2-Dichloroethylene	9.64	1.0	µg/L	10.0		96.4	70-130			
trans-1,2-Dichloroethylene	9.50	1.0	µg/L	10.0		95.0	70-130			
1,2-Dichloropropane	11.2	1.0	µg/L	10.0		112	70-130			
cis-1,3-Dichloropropene	9.38	0.50	µg/L	10.0		93.8	70-130			
trans-1,3-Dichloropropene	9.50	0.50	µg/L	10.0		95.0	70-130			
1,4-Dioxane	106	50	µg/L	100		106	40-130			†
Ethylbenzene	9.92	1.0	µg/L	10.0		99.2	70-130			
2-Hexanone (MBK)	104	10	µg/L	100		104	70-160			†
Isopropylbenzene (Cumene)	9.35	1.0	µg/L	10.0		93.5	70-130			
Methyl Acetate	8.34	1.0	µg/L	10.0		83.4	70-130			
Methyl tert-Butyl Ether (MTBE)	10.2	1.0	µg/L	10.0		102	70-130			
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104	70-130			
Methylene Chloride	9.62	5.0	µg/L	10.0		96.2	70-130			
4-Methyl-2-pentanone (MIBK)	105	10	µg/L	100		105	70-160			†
Styrene	9.43	1.0	µg/L	10.0		94.3	70-130			
1,1,2,2-Tetrachloroethane	8.95	0.50	µg/L	10.0		89.5	70-130			
Tetrachloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
Toluene	10.4	1.0	µg/L	10.0		104	70-130			
1,2,3-Trichlorobenzene	8.10	5.0	µg/L	10.0		81.0	70-130			
1,2,4-Trichlorobenzene	8.58	1.0	µg/L	10.0		85.8	70-130			
1,1,1-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130			

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B337745 - SW-846 5030B										
LCS (B337745-BS1)										
Prepared: 04/20/23 Analyzed: 04/23/23										
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
Trichloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
Trichlorofluoromethane (Freon 11)	10.3	2.0	µg/L	10.0		103	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.58	1.0	µg/L	10.0		95.8	70-130			
Vinyl Chloride	11.3	2.0	µg/L	10.0		113	40-160			†
m+p Xylene	19.6	2.0	µg/L	20.0		98.2	70-130			
o-Xylene	9.63	1.0	µg/L	10.0		96.3	70-130			
Xylenes (total)	29.3	1.0	µg/L	30.0		97.5	0-200			
Surrogate: 1,2-Dichloroethane-d4	27.8		µg/L	25.0		111	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	24.1		µg/L	25.0		96.3	70-130			
LCS Dup (B337745-BS1)										
Prepared: 04/20/23 Analyzed: 04/23/23										
Acetone	105	50	µg/L	100		105	70-160	5.03	25	†
Benzene	11.0	1.0	µg/L	10.0		110	70-130	3.32	25	
Bromochloromethane	11.7	1.0	µg/L	10.0		117	70-130	0.341	25	
Bromodichloromethane	11.2	0.50	µg/L	10.0		112	70-130	4.48	25	
Bromoform	8.57	1.0	µg/L	10.0		85.7	70-130	2.48	25	
Bromomethane	10.5	2.0	µg/L	10.0		105	40-160	4.89	25	†
2-Butanone (MEK)	109	20	µg/L	100		109	40-160	3.12	25	†
Carbon Disulfide	90.7	5.0	µg/L	100		90.7	70-130	1.71	25	
Carbon Tetrachloride	10.4	5.0	µg/L	10.0		104	70-130	5.03	25	
Chlorobenzene	9.69	1.0	µg/L	10.0		96.9	70-130	1.77	25	
Chlorodibromomethane	9.72	0.50	µg/L	10.0		97.2	70-130	0.615	25	
Chloroethane	9.65	2.0	µg/L	10.0		96.5	70-130	2.46	25	
Chloroform	10.7	2.0	µg/L	10.0		107	70-130	0.00	25	
Chloromethane	10.4	2.0	µg/L	10.0		104	40-160	9.50	25	†
Cyclohexane	10.3	5.0	µg/L	10.0		103	70-130	4.85	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.00	5.0	µg/L	10.0		90.0	70-130	2.96	25	
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130	3.68	25	
1,2-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	2.22	25	
1,3-Dichlorobenzene	9.57	1.0	µg/L	10.0		95.7	70-130	1.97	25	
1,4-Dichlorobenzene	9.23	1.0	µg/L	10.0		92.3	70-130	1.72	25	
Dichlorodifluoromethane (Freon 12)	12.0	2.0	µg/L	10.0		120	40-160	2.80	25	†
1,1-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130	7.62	25	
1,2-Dichloroethane	11.7	1.0	µg/L	10.0		117	70-130	0.342	25	
1,1-Dichloroethylene	9.96	1.0	µg/L	10.0		99.6	70-130	2.13	25	
cis-1,2-Dichloroethylene	9.93	1.0	µg/L	10.0		99.3	70-130	2.96	25	
trans-1,2-Dichloroethylene	9.70	1.0	µg/L	10.0		97.0	70-130	2.08	25	
1,2-Dichloropropane	11.1	1.0	µg/L	10.0		111	70-130	0.627	25	
cis-1,3-Dichloropropene	9.80	0.50	µg/L	10.0		98.0	70-130	4.38	25	
trans-1,3-Dichloropropene	9.65	0.50	µg/L	10.0		96.5	70-130	1.57	25	
1,4-Dioxane	93.6	50	µg/L	100		93.6	40-130	12.4	50	† ‡
Ethylbenzene	9.66	1.0	µg/L	10.0		96.6	70-130	2.66	25	
2-Hexanone (MBK)	104	10	µg/L	100		104	70-160	0.538	25	†
Isopropylbenzene (Cumene)	9.39	1.0	µg/L	10.0		93.9	70-130	0.427	25	
Methyl Acetate	8.86	1.0	µg/L	10.0		88.6	70-130	6.05	25	
Methyl tert-Butyl Ether (MTBE)	10.6	1.0	µg/L	10.0		106	70-130	3.66	25	
Methyl Cyclohexane	10.2	1.0	µg/L	10.0		102	70-130	1.94	25	
Methylene Chloride	10.3	5.0	µg/L	10.0		103	70-130	6.54	25	
4-Methyl-2-pentanone (MIBK)	105	10	µg/L	100		105	70-160	0.190	25	†
Styrene	9.46	1.0	µg/L	10.0		94.6	70-130	0.318	25	

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B337745 - SW-846 5030B										
LCS Dup (B337745-BSD1)					Prepared: 04/20/23 Analyzed: 04/23/23					
1,1,2,2-Tetrachloroethane	9.36	0.50	µg/L	10.0		93.6	70-130	4.48	25	
Tetrachloroethylene	9.78	1.0	µg/L	10.0		97.8	70-130	3.12	25	
Toluene	10.3	1.0	µg/L	10.0		103	70-130	0.581	25	
1,2,3-Trichlorobenzene	8.52	5.0	µg/L	10.0		85.2	70-130	5.05	25	
1,2,4-Trichlorobenzene	8.39	1.0	µg/L	10.0		83.9	70-130	2.24	25	
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130	3.82	25	
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130	0.571	25	
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	6.52	25	
Trichlorofluoromethane (Freon 11)	10.7	2.0	µg/L	10.0		107	70-130	4.38	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.48	1.0	µg/L	10.0		94.8	70-130	1.05	25	
Vinyl Chloride	11.5	2.0	µg/L	10.0		115	40-160	1.84	25	†
m+p Xylene	19.3	2.0	µg/L	20.0		96.6	70-130	1.64	25	
o-Xylene	9.53	1.0	µg/L	10.0		95.3	70-130	1.04	25	
Xylenes (total)	28.8	1.0	µg/L	30.0		96.1	0-200	1.45		
Surrogate: 1,2-Dichloroethane-d4	28.2		µg/L	25.0		113	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	23.5		µg/L	25.0		94.0	70-130			

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

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

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

Batch B337784 - EPA 200.7
Blank (B337784-BLK1)

Prepared: 04/20/23 Analyzed: 05/06/23

Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							

LCS (B337784-BS1)

Prepared: 04/20/23 Analyzed: 05/06/23

Aluminum	0.546	0.050	mg/L	0.500		109	85-115			
Iron	4.31	0.050	mg/L	4.00		108	85-115			
Zinc	1.07	0.010	mg/L	1.00		107	85-115			

LCS Dup (B337784-BSD1)

Prepared: 04/20/23 Analyzed: 05/06/23

Aluminum	0.522	0.050	mg/L	0.500		104	85-115	4.60	20	
Iron	4.14	0.050	mg/L	4.00		104	85-115	3.96	20	
Zinc	1.05	0.010	mg/L	1.00		105	85-115	2.15	20	

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

QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B338029 - SM21-23 2540D										
Blank (B338029-BLK1)				Prepared & Analyzed: 04/24/23						
Total Suspended Solids	ND	5.0	mg/L							
LCS (B338029-BS1)				Prepared & Analyzed: 04/24/23						
Total Suspended Solids	176	5.0	mg/L	200		88.0	55.1-124			
Batch B339543 - EPA 1664B										
Blank (B339543-BLK1)				Prepared & Analyzed: 05/08/23						
Oil & Grease (HEM)	ND	1.4	mg/L							
Blank (B339543-BLK2)				Prepared & Analyzed: 05/08/23						
Oil & Grease (HEM)	ND	70	mg/L							
LCS (B339543-BS1)				Prepared & Analyzed: 05/08/23						
Oil & Grease (HEM)	17	1.4	mg/L	20.0		86.0	78-114			
LCS (B339543-BS2)				Prepared & Analyzed: 05/08/23						
Oil & Grease (HEM)	900	70	mg/L	1000		89.5	78-114			
Duplicate (B339543-DUP1)				Source: 23D2263-01		Prepared & Analyzed: 05/08/23				
Oil & Grease (HEM)	ND	1.5	mg/L		ND			NC	18	
Matrix Spike (B339543-MS1)				Source: 23D2263-01		Prepared & Analyzed: 05/08/23				
Oil & Grease (HEM)	180	14	mg/L	200	ND	88.5	78-114			

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

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SM21-23 2540D in Water</i>	
Total Suspended Solids	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

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	
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
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
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023

CHAIN OF CUSTODY

Client: New York State Dept. of Environmental Conservation

PAGE 1 OF

DEC Site #: 907016

4	18	23

FED-EX Tracking #

Bottle Order Control #

Lab Quote #

Lab job #

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date:

 **Standard 14 Days**

1 day RUSH

Other _____

Laboratory Information

Lab: Pace Analytical Services

Address: 39 Spruce St, East Longmeadow, MA 01028

Phone: 518-608-1036

Lab PM: Michael Buttrick

Lab PM Email:

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial "B" (Level 2) - Results + QC Summary

FULLT1 (Level 3 & 4)

NI Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

NJ Data of Known Quality Protocol Reporting

NYASP Category A

 **NYASP Category B**

State Forms

EDD Format

 Other NYSDEC EDD FOR NYSDEC EQUIS

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By: Sampler:	Date / Time:	Received By:	
1 <i>[Signature]</i>	1 4/15 1200	1 <i>[Signature]</i>	<i>[Signature]</i>
Relinquished By :	Date / Time:	Received By:	
2	2	2	
Relinquished By :	Date / Time:	Received By:	
3	3	3	
Custody Seal Number: ☐ Intact ☐ Preserved where applicable			

(https://www.fedex.com/en-us/home.html)

Sign Up or Log In

FedEx® Tracking



DELIVERED

Wednesday

4/19/2023 at 10:12 am

Signed for by: A.AROYO

↓ Obtain Proof of delivery

DELIVERY STATUS

Delivered 

TRACKING ID

791347249636  

FROM

EDEN, NY US

Label Created

3/30/2023 2:51 PM

PACKAGE RECEIVED BY FEDEX

JAMESTOWN, NY

4/18/2023 12:15 PM

IN TRANSIT

WINDSOR LOCKS, CT

4/19/2023 8:17 AM

OUT FOR DELIVERY

WINDSOR LOCKS, CT

4/19/2023 8:38 AM

DELIVERED

East Longmeadow, MA US

Delivered

4/19/2023 at 10:12 AM

↓ View travel history

Want updates on this shipment? Enter your email and we will do the rest!

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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



Client GES

Project Frewsburg - Site # 907016

MCP/RCP Required —

Deliverable Package Req. NYSDEC EDP for NYSDEC

Location 300 Falconer St, Frewsburg, NY

PWSID# (When Applicable) —

Arrival Method:

Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐

Received By / Date / Time LA SSB 4.19.23 10:12

Back-Sheet By / Date / Time SSB 4.19.23 21:57

Temperature Method Gun # 5

Temp ☒ < 6° C Actual Temperature 3.6

Rush Samples: Yes / ☒ No Notify —

Short Hold: Yes / ☒ No Notify —

Notes regarding Samples/COC outside of SOP:

CAT - B

NYSDEC EDP
EQUIS

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

Container (Circle when applicable)			UnP	HCl	HNO3	H2SO4	NaOH	Trizma	NaS2O3	Other Preservative
1L	Amber	Plastic								
500 mL	Amber	Plastic								
250 mL	Amber	Plastic								
Other	Amber	Clear Plastic								
16oz	Amber	Clear								
8oz	Amber	Clear								
4oz	Amber	Clear								
2oz	Amber	Clear								
Col/Bacteria										
Flashpoint										
Plastic Bag										
SOC Kit										
Perchlorate										
Encore										
Frozen										
	Proper Headspace		UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials										

June 7, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23E2329

Enclosed are results of analyses for samples as received by the laboratory on May 17, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 6/7/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23E2329

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

PROJECT LOCATION: 300 Falconer Street, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Outfall 001	23E2329-01	Ground Water		EPA 1664B EPA 200.7 SM21-23 2540D SW-846 8260D	
Trip Blank	23E2329-02	Trip Blank Water		SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

EPA 200.7**Qualifications:**

B

Analyte is found in the associated laboratory blank as well as in the sample.

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

B341491-BLK3

B-05

Data is not affected by elevated level in laboratory blank since sample(s) result is "Not Detected".

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

23E2329-01RE1[Outfall 001]

SW-846 8260D**Qualifications:**

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 (DBCP)**

23E2329-01[Outfall 001], 23E2329-02[Trip Blank], B341049-BLK1, B341049-BS1, B341049-BSD1, S088038-CCV1

Bromoform

23E2329-01[Outfall 001], 23E2329-02[Trip Blank], B341049-BLK1, B341049-BS1, B341049-BSD1, S088038-CCV1

tert-Butyl Alcohol (TBA)

B341049-BLK1, B341049-BS1, B341049-BSD1, S088038-CCV1

V-20

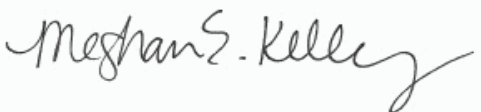
Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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

B341049-BS1, B341049-BSD1, S088038-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

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23E2329

Date Received: 5/17/2023

Field Sample #: Outfall 001

Sampled: 5/16/2023 11:00

Sample ID: 23E2329-01

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	3.8	50	2.0	µg/L	1	J	SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	5/23/23	5/25/23 3:50	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23E2329

Date Received: 5/17/2023

Field Sample #: Outfall 001

Sampled: 5/16/2023 11:00

Sample ID: 23E2329-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/23/23	5/25/23 3:50	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	103	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	93.3	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23E2329

Date Received: 5/17/2023

Field Sample #: Outfall 001

Sampled: 5/16/2023 11:00

Sample ID: 23E2329-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.045	mg/L	1	B-05	EPA 200.7	5/26/23	5/27/23 13:59	NC
Iron	0.30	0.050	0.047	mg/L	1		EPA 200.7	5/26/23	5/27/23 13:59	NC
Zinc	0.012	0.010	0.0042	mg/L	1		EPA 200.7	5/19/23	5/20/23 19:48	MJH

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23E2329

Date Received: 5/17/2023

Field Sample #: Outfall 001

Sampled: 5/16/2023 11:00

Sample ID: 23E2329-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	1.6	1.0	0.58	mg/L	1		SM21-23 2540D	5/18/23	5/18/23 13:19	LL
Oil & Grease (HEM)	ND	1.4	0.60	mg/L	1		EPA 1664B	5/23/23	5/23/23 12:12	LL

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23E2329

Date Received: 5/17/2023

Field Sample #: Trip Blank

Sampled: 5/16/2023 11:00

Sample ID: 23E2329-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	5/23/23	5/25/23 0:16	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23E2329

Date Received: 5/17/2023

Field Sample #: Trip Blank

Sampled: 5/16/2023 11:00

Sample ID: 23E2329-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/23/23	5/25/23 0:16	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	102	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	93.3	70-130	

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

Sample Extraction Data**EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
23E2329-01 [Outfall 001]	B341050	1000	05/23/23

Prep Method:EPA 200.7 **Analytical Method:**EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23E2329-01 [Outfall 001]	B340829	50.0	50.0	05/19/23

Prep Method:EPA 200.7 **Analytical Method:**EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23E2329-01RE1 [Outfall 001]	B341491	50.0	50.0	05/26/23

SM21-23 2540D

Lab Number [Field ID]	Batch	Initial [mL]	Date
23E2329-01 [Outfall 001]	B340597	500	05/18/23

Prep Method:SW-846 5030B **Analytical Method:**SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23E2329-01 [Outfall 001]	B341049	5	5.00	05/23/23
23E2329-02 [Trip Blank]	B341049	5	5.00	05/23/23

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

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

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

Batch B341049 - SW-846 5030B
Blank (B341049-BLK1)

Prepared: 05/23/23 Analyzed: 05/24/23

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							V-05
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-05
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							
1,2,3-Trimethylbenzene	ND	0.50	µg/L							

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B341049 - SW-846 5030B										
Blank (B341049-BLK1)										
Prepared: 05/23/23 Analyzed: 05/24/23										
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	25.1		µg/L	25.0		100	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	23.2		µg/L	25.0		92.7	70-130			
LCS (B341049-BS1)										
Prepared: 05/23/23 Analyzed: 05/24/23										
Acetone	98.6	50	µg/L	100		98.6	70-160			†
Benzene	10.9	1.0	µg/L	10.0		109	70-130			
Bromochloromethane	11.3	1.0	µg/L	10.0		113	70-130			
Bromodichloromethane	9.71	0.50	µg/L	10.0		97.1	70-130			
Bromoform	7.12	1.0	µg/L	10.0		71.2	70-130			V-05
Bromomethane	12.2	2.0	µg/L	10.0		122	40-160			V-20 †
2-Butanone (MEK)	109	20	µg/L	100		109	40-160			†
tert-Butyl Alcohol (TBA)	77.8	20	µg/L	100		77.8	40-160			V-05 †
Carbon Disulfide	97.4	5.0	µg/L	100		97.4	70-130			
Carbon Tetrachloride	9.77	5.0	µg/L	10.0		97.7	70-130			
Chlorobenzene	9.64	1.0	µg/L	10.0		96.4	70-130			
Chlorodibromomethane	8.81	0.50	µg/L	10.0		88.1	70-130			
Chloroethane	10.3	2.0	µg/L	10.0		103	70-130			
Chloroform	10.3	2.0	µg/L	10.0		103	70-130			
Chloromethane	10.1	2.0	µg/L	10.0		101	40-160			†
Cyclohexane	10.3	5.0	µg/L	10.0		103	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.78	5.0	µg/L	10.0		77.8	70-130			V-05
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.0		100	70-130			
1,2-Dichlorobenzene	9.50	1.0	µg/L	10.0		95.0	70-130			
1,3-Dichlorobenzene	9.38	1.0	µg/L	10.0		93.8	70-130			
1,4-Dichlorobenzene	9.26	1.0	µg/L	10.0		92.6	70-130			
Dichlorodifluoromethane (Freon 12)	10.9	2.0	µg/L	10.0		109	40-160			†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
1,2-Dichloroethane	9.56	1.0	µg/L	10.0		95.6	70-130			
1,1-Dichloroethylene	9.79	1.0	µg/L	10.0		97.9	70-130			
cis-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
trans-1,2-Dichloroethylene	9.74	1.0	µg/L	10.0		97.4	70-130			
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130			
cis-1,3-Dichloropropene	9.61	0.50	µg/L	10.0		96.1	70-130			
trans-1,3-Dichloropropene	9.14	0.50	µg/L	10.0		91.4	70-130			
1,4-Dioxane	81.8	50	µg/L	100		81.8	40-130			†
Ethylbenzene	9.63	1.0	µg/L	10.0		96.3	70-130			
2-Hexanone (MBK)	94.0	10	µg/L	100		94.0	70-160			†
Isopropylbenzene (Cumene)	9.29	1.0	µg/L	10.0		92.9	70-130			
Methyl Acetate	8.11	1.0	µg/L	10.0		81.1	70-130			
Methyl tert-Butyl Ether (MTBE)	9.49	1.0	µg/L	10.0		94.9	70-130			
Methyl Cyclohexane	10.2	1.0	µg/L	10.0		102	70-130			
Methylene Chloride	9.86	5.0	µg/L	10.0		98.6	70-130			
4-Methyl-2-pentanone (MIBK)	91.3	10	µg/L	100		91.3	70-160			†
Styrene	9.71	1.0	µg/L	10.0		97.1	70-130			
1,1,2,2-Tetrachloroethane	8.95	0.50	µg/L	10.0		89.5	70-130			

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

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

Batch B341049 - SW-846 5030B
LCS (B341049-BS1)

Prepared: 05/23/23 Analyzed: 05/24/23

Tetrachloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
Toluene	10.3	1.0	µg/L	10.0		103	70-130			
1,2,3-Trichlorobenzene	9.13	5.0	µg/L	10.0		91.3	70-130			
1,2,4-Trichlorobenzene	9.18	1.0	µg/L	10.0		91.8	70-130			
1,1,1-Trichloroethane	9.70	1.0	µg/L	10.0		97.0	70-130			
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
Trichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
Trichlorofluoromethane (Freon 11)	9.76	2.0	µg/L	10.0		97.6	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.77	1.0	µg/L	10.0		97.7	70-130			
1,2,3-Trimethylbenzene	9.13	0.50	µg/L	10.0		91.3	70-130			
1,2,4-Trimethylbenzene	9.07	1.0	µg/L	10.0		90.7	70-130			
1,3,5-Trimethylbenzene	9.44	1.0	µg/L	10.0		94.4	70-130			
Vinyl Chloride	11.5	2.0	µg/L	10.0		115	40-160			†
m+p Xylene	19.4	2.0	µg/L	20.0		96.8	70-130			
o-Xylene	9.41	1.0	µg/L	10.0		94.1	70-130			
Xylenes (total)	28.8	1.0	µg/L	30.0		95.9	0-200			

Surrogate: 1,2-Dichloroethane-d4	25.6		µg/L	25.0		103	70-130			
Surrogate: Toluene-d8	26.0		µg/L	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.0		99.5	70-130			

LCS Dup (B341049-BS1)

Prepared: 05/23/23 Analyzed: 05/24/23

Acetone	102	50	µg/L	100		102	70-160	2.97	25	†
Benzene	11.5	1.0	µg/L	10.0		115	70-130	5.46	25	
Bromochloromethane	11.6	1.0	µg/L	10.0		116	70-130	2.70	25	
Bromodichloromethane	9.88	0.50	µg/L	10.0		98.8	70-130	1.74	25	
Bromoform	7.63	1.0	µg/L	10.0		76.3	70-130	6.92	25	V-05
Bromomethane	12.7	2.0	µg/L	10.0		127	40-160	4.02	25	V-20 †
2-Butanone (MEK)	111	20	µg/L	100		111	40-160	2.21	25	†
tert-Butyl Alcohol (TBA)	78.1	20	µg/L	100		78.1	40-160	0.334	25	V-05 †
Carbon Disulfide	102	5.0	µg/L	100		102	70-130	5.12	25	
Carbon Tetrachloride	9.98	5.0	µg/L	10.0		99.8	70-130	2.13	25	
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	8.16	25	
Chlorodibromomethane	9.21	0.50	µg/L	10.0		92.1	70-130	4.44	25	
Chloroethane	10.8	2.0	µg/L	10.0		108	70-130	4.28	25	
Chloroform	10.7	2.0	µg/L	10.0		107	70-130	3.43	25	
Chloromethane	10.7	2.0	µg/L	10.0		107	40-160	5.09	25	†
Cyclohexane	10.9	5.0	µg/L	10.0		109	70-130	5.76	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.12	5.0	µg/L	10.0		81.2	70-130	4.28	25	V-05
1,2-Dibromoethane (EDB)	10.3	0.50	µg/L	10.0		103	70-130	2.76	25	
1,2-Dichlorobenzene	9.89	1.0	µg/L	10.0		98.9	70-130	4.02	25	
1,3-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	6.60	25	
1,4-Dichlorobenzene	9.62	1.0	µg/L	10.0		96.2	70-130	3.81	25	
Dichlorodifluoromethane (Freon 12)	11.6	2.0	µg/L	10.0		116	40-160	6.41	25	†
1,1-Dichloroethane	11.0	1.0	µg/L	10.0		110	70-130	4.47	25	
1,2-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130	5.59	25	
1,1-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	4.20	25	
cis-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	3.90	25	
trans-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	6.94	25	
1,2-Dichloropropane	11.0	1.0	µg/L	10.0		110	70-130	5.32	25	
cis-1,3-Dichloropropene	9.99	0.50	µg/L	10.0		99.9	70-130	3.88	25	
trans-1,3-Dichloropropene	9.47	0.50	µg/L	10.0		94.7	70-130	3.55	25	
1,4-Dioxane	89.3	50	µg/L	100		89.3	40-130	8.66	50	† ‡

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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 B341049 - SW-846 5030B										
LCS Dup (B341049-BSD1)										
Prepared: 05/23/23 Analyzed: 05/24/23										
Ethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	6.92	25	
2-Hexanone (MBK)	94.9	10	µg/L	100		94.9	70-160	0.858	25	†
Isopropylbenzene (Cumene)	10.0	1.0	µg/L	10.0		100	70-130	7.36	25	
Methyl Acetate	8.16	1.0	µg/L	10.0		81.6	70-130	0.615	25	
Methyl tert-Butyl Ether (MTBE)	9.64	1.0	µg/L	10.0		96.4	70-130	1.57	25	
Methyl Cyclohexane	10.8	1.0	µg/L	10.0		108	70-130	6.00	25	
Methylene Chloride	10.4	5.0	µg/L	10.0		104	70-130	5.43	25	
4-Methyl-2-pentanone (MIBK)	94.2	10	µg/L	100		94.2	70-160	3.19	25	†
Styrene	10.3	1.0	µg/L	10.0		103	70-130	6.19	25	
1,1,2,2-Tetrachloroethane	8.98	0.50	µg/L	10.0		89.8	70-130	0.335	25	
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130	3.95	25	
Toluene	11.0	1.0	µg/L	10.0		110	70-130	6.19	25	
1,2,3-Trichlorobenzene	9.78	5.0	µg/L	10.0		97.8	70-130	6.87	25	
1,2,4-Trichlorobenzene	9.59	1.0	µg/L	10.0		95.9	70-130	4.37	25	
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130	5.12	25	
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	6.44	25	
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	4.72	25	
Trichlorofluoromethane (Freon 11)	10.2	2.0	µg/L	10.0		102	70-130	3.92	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7	1.0	µg/L	10.0		107	70-130	8.90	25	
1,2,3-Trimethylbenzene	9.67	0.50	µg/L	10.0		96.7	70-130	5.74	25	
1,2,4-Trimethylbenzene	9.50	1.0	µg/L	10.0		95.0	70-130	4.63	25	
1,3,5-Trimethylbenzene	9.93	1.0	µg/L	10.0		99.3	70-130	5.06	25	
Vinyl Chloride	12.1	2.0	µg/L	10.0		121	40-160	5.10	25	†
m+p Xylene	20.4	2.0	µg/L	20.0		102	70-130	5.38	25	
o-Xylene	9.91	1.0	µg/L	10.0		99.1	70-130	5.18	25	
Xylenes (total)	30.3	1.0	µg/L	30.0		101	0-200	5.31		
Surrogate: 1,2-Dichloroethane-d4	24.2		µg/L	25.0		96.7	70-130			
Surrogate: Toluene-d8	26.0		µg/L	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		µg/L	25.0		100	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B340829 - EPA 200.7										
Blank (B340829-BLK1)				Prepared: 05/19/23 Analyzed: 05/20/23						
Zinc	ND	0.010	mg/L							
LCS (B340829-BS1)				Prepared: 05/19/23 Analyzed: 05/20/23						
Zinc	0.942	0.010	mg/L	1.00		94.2	85-115			
LCS Dup (B340829-BSD1)				Prepared: 05/19/23 Analyzed: 05/20/23						
Zinc	0.928	0.010	mg/L	1.00		92.8	85-115	1.42	20	
Batch B341491 - EPA 200.7										
Blank (B341491-BLK1)				Prepared: 05/26/23 Analyzed: 05/27/23						
Iron	ND	0.050	mg/L							
Blank (B341491-BLK3)				Prepared: 05/26/23 Analyzed: 05/31/23						
Aluminum	0.049	0.050	mg/L							J, B
LCS (B341491-BS1)				Prepared: 05/26/23 Analyzed: 05/27/23						
Aluminum	0.540	0.050	mg/L	0.500		108	85-115			
Iron	4.12	0.050	mg/L	4.00		103	85-115			
LCS Dup (B341491-BSD1)				Prepared: 05/26/23 Analyzed: 05/27/23						
Aluminum	0.521	0.050	mg/L	0.500		104	85-115	3.65	20	
Iron	4.13	0.050	mg/L	4.00		103	85-115	0.311	20	

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

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

Batch B340597 - SM21-23 2540D
Blank (B340597-BLK1)

Prepared & Analyzed: 05/18/23

Total Suspended Solids ND 5.0 mg/L

LCS (B340597-BS1)

Prepared & Analyzed: 05/18/23

Total Suspended Solids 181 5.0 mg/L 200 90.5 55.1-124

Batch B341050 - EPA 1664B
Blank (B341050-BLK1)

Prepared & Analyzed: 05/23/23

Oil & Grease (HEM) ND 1.4 mg/L

Blank (B341050-BLK2)

Prepared & Analyzed: 05/23/23

Oil & Grease (HEM) ND 56 mg/L

LCS (B341050-BS1)

Prepared & Analyzed: 05/23/23

Oil & Grease (HEM) 21 1.4 mg/L 20.0 107 78-114

LCS (B341050-BS2)

Prepared & Analyzed: 05/23/23

Oil & Grease (HEM) 780 56 mg/L 800 97.0 78-114

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**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.
B	Analyte is found in the associated laboratory blank as well as in the sample.
B-05	Data is not affected by elevated level in laboratory blank since sample(s) result is "Not Detected".
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SM21-23 2540D in Water</i>	
Total Suspended Solids	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

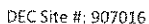
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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
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
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
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023



**Client: New York State Dept. of
Environmental Conservation**

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FED-EX Tracking #

Bottle Order Control #

Lab Quote #

Lab job #	

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

 Standard 14 Days

1 day RUSH

☐ Other _____

Laboratory Information

Lab: Pace Analytical Services

Address: 39 Spruce St, East Longmeadow, MA 01028

Phone: 518-608-1036

Lab PM: Michael Buttrick

Lab PM Email:

Data Deliverable information

Commercial 'A' (Level 1) = Results Only

Commercial "B" (Level 2) = Results + QC Summary

FULLT1 (Level 3 & 4)

NI Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

NJ Data of Known Quality Protocol Reporting

NYASP Category A

NYASP Category B

State Forms

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Relinquished By Sampler:	Date / Time:	Received By:	
1 <i>[Signature]</i>	1 5/17/23 1200	1 <i>[Signature]</i>	QAUD 5-17-23 4.52
Relinquished By:	Date / Time:	Received By:	
2	2	2	
Relinquished By:	Date / Time:	Received By:	
3	3	3	
Custody Seal Number: ☒ Intact ☐ Preserved where applicable			

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39 Spruce St.
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F: 413-525-6405
www.pacelabs.com

ENV-FRM-ELON-0001 V05__ Sample Receiving Checklist

Log In Back-Sheet

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

Client GC-5Project Brewsbury / NY FalconerMCP/RCP Required N/ADeliverable Package Requirement CATBLocation 300 Fuller Street, Brewsbury, NYPWSID# (When Applicable) N/A

Arrival Method:

Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐Received By / Date / Time A. Irsu 5/17/23 9:40Back-Sheet By / Date / Time LA 5/17/23 12:02Temperature Method gun # 5Temp ☒ < 6° C Actual Temperature 4.5Rush Samples: Yes / ☒ No NotifyShort 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 ☒ ☐Splitting Samples Required ☐ ☒MS/MSD ☐ ☒Trip Blanks ☒ ☒Lab to Filters ☐ ☒COC Legible ☒ ☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒Project ☒ IDs ☒ Collection Date/Time ☒All Samples Proper pH: N/A ☐ ☐

Notes regarding Samples/COC outside of SOP:

Additional Container Notes

Sample	Soils Jars				Ambers				Plastics							VOA Vials					Other / Fill in										
	(Circle Amb/Clear)				1 Liter	250ml	100ml	1 Liter	500ml	250ml				VOA Vials																	
1	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	BiSulfate	Col/Bact				
2							X	60				-											X								
3																															
4																															
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July 5, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23F1823

Enclosed are results of analyses for samples as received by the laboratory on June 14, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 7/5/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23F1823

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

PROJECT LOCATION: 300 Falconer Street, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Outfall 001	23F1823-01	Ground Water		EPA 1664B EPA 200.7 SM21-23 2540D SW-846 8260D	
Trip Blank	23F1823-02	Trip Blank Water		SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

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:**Trichlorofluoromethane (Freon 11)**B343454-BSD1

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:**Chloromethane**23F1823-01[Outfall 001], 23F1823-02[Trip Blank], B343454-BLK1, B343454-BS1, B343454-BSD1, S089353-CCV1

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**

23F1823-01[Outfall 001], 23F1823-02[Trip Blank], B343454-BLK1, B343454-BS1, B343454-BSD1, S089353-CCV1

tert-Butyl Alcohol (TBA)

B343454-BLK1, B343454-BS1, B343454-BSD1, S089353-CCV1

Trichlorofluoromethane (Freon 11)23F1823-01[Outfall 001], 23F1823-02[Trip Blank], B343454-BLK1, B343454-BS1, B343454-BSD1, S089353-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:**Bromochloromethane**B343454-BS1, B343454-BSD1, S089353-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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

23F1823-01[Outfall 001], 23F1823-02[Trip Blank], B343454-BLK1, B343454-BS1, B343454-BSD1, S089353-CCV1

Dichlorodifluoromethane (Freon 12)

23F1823-01[Outfall 001], 23F1823-02[Trip Blank], B343454-BLK1, B343454-BS1, B343454-BSD1, S089353-CCV1

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

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



Lisa A. Worthington
Technical Representative

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23F1823

Date Received: 6/14/2023

Field Sample #: Outfall 001

Sampled: 6/13/2023 10:40

Sample ID: 23F1823-01

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	V-05	SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Chloromethane	ND	2.0	0.50	µg/L	1	R-05, V-34	SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1	V-34	SW-846 8260D	6/16/23	6/19/23 16:36	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23F1823

Date Received: 6/14/2023

Field Sample #: Outfall 001

Sampled: 6/13/2023 10:40

Sample ID: 23F1823-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1	V-05	SW-846 8260D	6/16/23	6/19/23 16:36	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/16/23	6/19/23 16:36	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	103	70-130	
Toluene-d8	98.8	70-130	
4-Bromofluorobenzene	96.0	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23F1823

Date Received: 6/14/2023

Field Sample #: Outfall 001

Sampled: 6/13/2023 10:40

Sample ID: 23F1823-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.083	0.050	0.045	mg/L	1		EPA 200.7	6/20/23	6/21/23 17:33	ATP
Iron	0.55	0.050	0.047	mg/L	1		EPA 200.7	6/20/23	6/21/23 17:33	ATP
Zinc	0.011	0.010	0.0047	mg/L	1		EPA 200.7	6/20/23	6/21/23 19:37	ATP

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23F1823

Date Received: 6/14/2023

Field Sample #: Outfall 001

Sampled: 6/13/2023 10:40

Sample ID: 23F1823-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	5.0	2.9	mg/L	1		SM21-23 2540D	6/16/23	6/16/23 11:23	QH
Silica Gel Treated HEM (SGT-HEM)	0.80	1.4	0.42	mg/L	1	J	EPA 1664B	7/3/23	7/3/23 11:45	LL

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23F1823

Date Received: 6/14/2023

Field Sample #: Trip Blank

Sampled: 6/13/2023 00:00

Sample ID: 23F1823-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1	V-05	SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Chloromethane	ND	2.0	0.50	µg/L	1	R-05, V-34	SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1	V-34	SW-846 8260D	6/16/23	6/19/23 12:03	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH

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Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23F1823

Date Received: 6/14/2023

Field Sample #: Trip Blank

Sampled: 6/13/2023 00:00

Sample ID: 23F1823-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1	V-05	SW-846 8260D	6/16/23	6/19/23 12:03	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/16/23	6/19/23 12:03	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	99.8	70-130	
4-Bromofluorobenzene	93.3	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
23F1823-01 [Outfall 001]	B344887	1000	07/03/23

Prep Method:EPA 200.7 **Analytical Method:**EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23F1823-01 [Outfall 001]	B343787	50.0	50.0	06/20/23

SM21-23 2540D

Lab Number [Field ID]	Batch	Initial [mL]	Date
23F1823-01 [Outfall 001]	B343473	100	06/16/23

Prep Method:SW-846 5030B **Analytical Method:**SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23F1823-01 [Outfall 001]	B343454	5	5.00	06/16/23
23F1823-02 [Trip Blank]	B343454	5	5.00	06/16/23

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B343454 - SW-846 5030B										
Blank (B343454-BLK1)										
Prepared: 06/16/23 Analyzed: 06/19/23										
Acetone	ND	50	µg/L							V-05
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-05
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							R-05, V-34
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							V-34
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							V-05
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,3-Trimethylbenzene	ND	0.50	µg/L							

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B343454 - SW-846 5030B										
Blank (B343454-BLK1)										
Prepared: 06/16/23 Analyzed: 06/19/23										
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	26.2		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	24.0		µg/L	25.0		95.8	70-130			
LCS (B343454-BS1)										
Prepared: 06/16/23 Analyzed: 06/19/23										
Acetone	73.9	50	µg/L	100		73.9	70-160			V-05 †
Benzene	10.8	1.0	µg/L	10.0		108	70-130			
Bromochloromethane	12.7	1.0	µg/L	10.0		127	70-130			V-20
Bromodichloromethane	10.8	0.50	µg/L	10.0		108	70-130			
Bromoform	9.10	1.0	µg/L	10.0		91.0	70-130			
Bromomethane	8.64	2.0	µg/L	10.0		86.4	40-160			†
2-Butanone (MEK)	104	20	µg/L	100		104	40-160			†
tert-Butyl Alcohol (TBA)	65.7	20	µg/L	100		65.7	40-160			V-05 †
Carbon Disulfide	92.1	5.0	µg/L	100		92.1	70-130			
Carbon Tetrachloride	10.4	5.0	µg/L	10.0		104	70-130			
Chlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108	70-130			
Chloroethane	9.39	2.0	µg/L	10.0		93.9	70-130			
Chloroform	11.0	2.0	µg/L	10.0		110	70-130			
Chloromethane	10.6	2.0	µg/L	10.0		106	40-160			R-05, V-34 †
Cyclohexane	11.7	5.0	µg/L	10.0		117	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.33	5.0	µg/L	10.0		93.3	70-130			
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130			
1,2-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130			
1,3-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130			
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
Dichlorodifluoromethane (Freon 12)	8.46	2.0	µg/L	10.0		84.6	40-160			V-34 †
1,1-Dichloroethane	12.1	1.0	µg/L	10.0		121	70-130			
1,2-Dichloroethane	9.96	1.0	µg/L	10.0		99.6	70-130			
1,1-Dichloroethylene	7.77	1.0	µg/L	10.0		77.7	70-130			
cis-1,2-Dichloroethylene	11.8	1.0	µg/L	10.0		118	70-130			
trans-1,2-Dichloroethylene	11.7	1.0	µg/L	10.0		117	70-130			
1,2-Dichloropropane	11.6	1.0	µg/L	10.0		116	70-130			
cis-1,3-Dichloropropene	11.7	0.50	µg/L	10.0		117	70-130			
trans-1,3-Dichloropropene	11.6	0.50	µg/L	10.0		116	70-130			
1,4-Dioxane	82.4	50	µg/L	100		82.4	40-130			†
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
2-Hexanone (MBK)	118	10	µg/L	100		118	70-160			†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130			
Methyl Acetate	8.93	1.0	µg/L	10.0		89.3	70-130			
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	9.48	5.0	µg/L	10.0		94.8	70-130			
4-Methyl-2-pentanone (MIBK)	118	10	µg/L	100		118	70-160			†
Styrene	10.6	1.0	µg/L	10.0		106	70-130			
1,1,2,2-Tetrachloroethane	9.89	0.50	µg/L	10.0		98.9	70-130			

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

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

Batch B343454 - SW-846 5030B
LCS (B343454-BS1)

Prepared: 06/16/23 Analyzed: 06/19/23

Tetrachloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
Toluene	10.6	1.0	µg/L	10.0		106	70-130			
1,2,3-Trichlorobenzene	10.0	5.0	µg/L	10.0		100	70-130			
1,2,4-Trichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,1,1-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130			
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
Trichlorofluoromethane (Freon 11)	7.10	2.0	µg/L	10.0		71.0	70-130			V-05
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.33	1.0	µg/L	10.0		83.3	70-130			
1,2,3-Trimethylbenzene	10.4	0.50	µg/L	10.0		104	70-130			
1,2,4-Trimethylbenzene	11.1	1.0	µg/L	10.0		111	70-130			
1,3,5-Trimethylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
Vinyl Chloride	11.6	2.0	µg/L	10.0		116	40-160			†
m+p Xylene	20.6	2.0	µg/L	20.0		103	70-130			
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130			
Xylenes (total)	31.1	1.0	µg/L	30.0		104	0-200			

Surrogate: 1,2-Dichloroethane-d4	26.2		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	24.6		µg/L	25.0		98.4	70-130			

LCS Dup (B343454-BS1)

Prepared: 06/16/23 Analyzed: 06/19/23

Acetone	79.0	50	µg/L	100		79.0	70-160	6.63	25	V-05	†
Benzene	10.9	1.0	µg/L	10.0		109	70-130	0.368	25		
Bromochloromethane	12.6	1.0	µg/L	10.0		126	70-130	0.552	25	V-20	
Bromodichloromethane	10.2	0.50	µg/L	10.0		102	70-130	5.63	25		
Bromoform	9.16	1.0	µg/L	10.0		91.6	70-130	0.657	25		
Bromomethane	8.41	2.0	µg/L	10.0		84.1	40-160	2.70	25		†
2-Butanone (MEK)	110	20	µg/L	100		110	40-160	5.83	25		†
tert-Butyl Alcohol (TBA)	73.3	20	µg/L	100		73.3	40-160	11.0	25	V-05	†
Carbon Disulfide	80.6	5.0	µg/L	100		80.6	70-130	13.3	25		
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106	70-130	1.33	25		
Chlorobenzene	9.56	1.0	µg/L	10.0		95.6	70-130	5.59	25		
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104	70-130	3.86	25		
Chloroethane	8.45	2.0	µg/L	10.0		84.5	70-130	10.5	25		
Chloroform	11.0	2.0	µg/L	10.0		110	70-130	0.546	25		
Chloromethane	8.19	2.0	µg/L	10.0		81.9	40-160	25.2 *	25	R-05, V-34	†
Cyclohexane	11.2	5.0	µg/L	10.0		112	70-130	4.62	25		
1,2-Dibromo-3-chloropropane (DBCP)	9.98	5.0	µg/L	10.0		99.8	70-130	6.73	25		
1,2-Dibromoethane (EDB)	9.71	0.50	µg/L	10.0		97.1	70-130	7.15	25		
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	5.44	25		
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	6.10	25		
1,4-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	1.97	25		
Dichlorodifluoromethane (Freon 12)	8.03	2.0	µg/L	10.0		80.3	40-160	5.22	25	V-34	†
1,1-Dichloroethane	11.9	1.0	µg/L	10.0		119	70-130	1.67	25		
1,2-Dichloroethane	9.55	1.0	µg/L	10.0		95.5	70-130	4.20	25		
1,1-Dichloroethylene	7.88	1.0	µg/L	10.0		78.8	70-130	1.41	25		
cis-1,2-Dichloroethylene	11.4	1.0	µg/L	10.0		114	70-130	3.63	25		
trans-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130	7.10	25		
1,2-Dichloropropane	11.1	1.0	µg/L	10.0		111	70-130	4.68	25		
cis-1,3-Dichloropropene	11.3	0.50	µg/L	10.0		113	70-130	3.66	25		
trans-1,3-Dichloropropene	11.2	0.50	µg/L	10.0		112	70-130	3.16	25		
1,4-Dioxane	82.0	50	µg/L	100		82.0	40-130	0.450	50		† ‡

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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 B343454 - SW-846 5030B										
LCS Dup (B343454-BSD1)					Prepared: 06/16/23 Analyzed: 06/19/23					
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130	2.47	25	
2-Hexanone (MBK)	119	10	µg/L	100		119	70-160	0.337	25	†
Isopropylbenzene (Cumene)	9.51	1.0	µg/L	10.0		95.1	70-130	6.81	25	
Methyl Acetate	8.85	1.0	µg/L	10.0		88.5	70-130	0.900	25	
Methyl tert-Butyl Ether (MTBE)	10.8	1.0	µg/L	10.0		108	70-130	2.06	25	
Methyl Cyclohexane	9.42	1.0	µg/L	10.0		94.2	70-130	9.41	25	
Methylene Chloride	8.98	5.0	µg/L	10.0		89.8	70-130	5.42	25	
4-Methyl-2-pentanone (MIBK)	118	10	µg/L	100		118	70-160	0.347	25	†
Styrene	10.2	1.0	µg/L	10.0		102	70-130	3.94	25	
1,1,2,2-Tetrachloroethane	9.48	0.50	µg/L	10.0		94.8	70-130	4.23	25	
Tetrachloroethylene	9.93	1.0	µg/L	10.0		99.3	70-130	5.87	25	
Toluene	10.3	1.0	µg/L	10.0		103	70-130	2.68	25	
1,2,3-Trichlorobenzene	10.0	5.0	µg/L	10.0		100	70-130	0.100	25	
1,2,4-Trichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	3.05	25	
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	2.34	25	
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130	5.47	25	
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	0.0982	25	
Trichlorofluoromethane (Freon 11)	6.91	2.0	µg/L	10.0		69.1	* 70-130	2.71	25	L-07, V-05
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.18	1.0	µg/L	10.0		81.8	70-130	1.82	25	
1,2,3-Trimethylbenzene	9.76	0.50	µg/L	10.0		97.6	70-130	5.87	25	
1,2,4-Trimethylbenzene	10.7	1.0	µg/L	10.0		107	70-130	3.40	25	
1,3,5-Trimethylbenzene	9.70	1.0	µg/L	10.0		97.0	70-130	7.92	25	
Vinyl Chloride	10.4	2.0	µg/L	10.0		104	40-160	10.9	25	†
m+p Xylene	20.2	2.0	µg/L	20.0		101	70-130	1.87	25	
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130	3.09	25	
Xylenes (total)	30.4	1.0	µg/L	30.0		101	0-200	2.28		
Surrogate: 1,2-Dichloroethane-d4	26.6		µg/L	25.0		106	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	23.9		µg/L	25.0		95.5	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch B343787 - EPA 200.7								
Blank (B343787-BLK1)				Prepared: 06/20/23 Analyzed: 06/21/23				
Aluminum	ND	0.050	mg/L					
Iron	ND	0.050	mg/L					
Blank (B343787-BLK2)				Prepared: 06/20/23 Analyzed: 06/21/23				
Zinc	ND	0.010	mg/L					
LCS (B343787-BS1)				Prepared: 06/20/23 Analyzed: 06/21/23				
Aluminum	0.493	0.050	mg/L	0.500		98.6	85-115	
Iron	3.86	0.050	mg/L	4.00		96.6	85-115	
LCS (B343787-BS2)				Prepared: 06/20/23 Analyzed: 06/21/23				
Zinc	1.03	0.010	mg/L	1.00		103	85-115	
LCS Dup (B343787-BSD1)				Prepared: 06/20/23 Analyzed: 06/21/23				
Aluminum	0.492	0.050	mg/L	0.500		98.4	85-115	0.134 20
Iron	3.87	0.050	mg/L	4.00		96.8	85-115	0.242 20
LCS Dup (B343787-BSD2)				Prepared: 06/20/23 Analyzed: 06/21/23				
Zinc	1.01	0.010	mg/L	1.00		101	85-115	2.07 20

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

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

Batch B343473 - SM21-23 2540D
Blank (B343473-BLK1)

Prepared & Analyzed: 06/16/23

Total Suspended Solids ND 2.5 mg/L

LCS (B343473-BS1)

Prepared & Analyzed: 06/16/23

Total Suspended Solids 170 5.0 mg/L 200 85.0 55.1-124

Duplicate (B343473-DUP1)
Source: 23F1823-01

Prepared & Analyzed: 06/16/23

Total Suspended Solids ND 5.0 mg/L ND NC 10

Batch B344887 - EPA 1664B
Blank (B344887-BLK1)

Prepared & Analyzed: 07/03/23

Silica Gel Treated HEM (SGT-HEM) ND 1.4 mg/L

LCS (B344887-BS1)

Prepared & Analyzed: 07/03/23

Silica Gel Treated HEM (SGT-HEM) 8.9 1.4 mg/L 10.0 89.0 64-132

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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.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
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-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SM21-23 2540D in Water</i>	
Total Suspended Solids	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

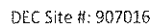
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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
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
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
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023



**Client: New York State Dept. of
Environmental Conservation**

PAGE 1 OF 1

FED-EX Tracking #	Bottle Order Control #
Lab Quote #	Lab Job #

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

 Standard 14 Days

1 day RUSH:

☐ Other _____

Laboratory Information

Lab: Pace Analytical Services
Address: 39 Spruce St, East Longmeadow, MA 01028
Phone: 518-608-1036
Lab PM: Michael Buttrick

Lab PM Email:

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
- ☐ Commercial 'B' (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C'
- ☐ *NJ Data of Known Quality Protocol Reporting*
- ☐ NYASP Category A
- ☒ NYASP Category B
- ☐ State Forms
- ☐ EDD Format _____
- ☒ Other NYSDEC EDD FOR NYSDEC EQUIS

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/Bufalo/NY/MainSt/2929-2939 LabReport#.30987.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.		
Relinquished By: <i>LR</i>	Date / Time: <i>6/13 1230</i>	Received By: <i>MA/MH 2200</i> <i>0951</i>
1	1	1
Relinquished By:	Date / Time:	Received By:
2	2	2
Relinquished By:	Date / Time:	Received By:
3	3	3
Custody Seal Number:	Intact	Preserved where applicable

<https://www.fedex.com/en-us/home>
US: Home

Sign in or Log out

FedEx® Tracking



DELIVERED

Wednesday

6/14/2023 at 9:51 am

Signature release on file

Package delivered to recipient address

↓ Obtain proof of delivery

DELIVERY STATUS

Delivered 

↓ Shipment is 1 of 2 pieces

TRACKING ID

399572604866  

FROM

EAST LONGMEADOW, MA US

Label Created

6/13/2023 11:18 AM

PACKAGE RECEIVED BY FEDEX

JAMESTOWN, NY

6/13/2023 12:09 PM

IN TRANSIT

WINDSOR LOCKS, CT

6/14/2023 7:03 AM

OUT FOR DELIVERY

WINDSOR LOCKS, CT

6/14/2023 7:13 AM

DELIVERED

East Longmeadow, MA US

Delivered

6/14/2023 at 9:51 AM

↓ View travel history

Want updates on this shipment? Enter your email and we will do the rest!

YOUR EMAIL

SUBMIT

MORE OPTIONS

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6005
www.pacelabs.com

ENV-FRM-ELON-0001 V05 Sample Receiving Checklist

Log In Back-Sheet

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

Client GESProject FreensburgMCP/RCP Required N/ADeliverable Package Requirement N/ALocation 300 Faxoner St. Freensburg, NYPWSID# (When Applicable) N/A

Arrival Method:

 Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐
Received By / Date / Time AAM/6-14-23/0951~~Back-Sheet By / Date / Time AAM/6-14-23/1211~~Temperature Method Temp. Gun # 5Temp ☐ 6°C Actual Temperature 22°CRush Samples: Yes // No NotifyShort Hold: Yes // No Notify

Notes regarding Samples/COC outside of SOP:

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

Additional Container Notes

Sample	Soils Jars				Ambers										Plastics										VOA Vials					Other / Fill in				
	(Circle Amb/Clear)				1 Liter		250mL		100mL		1 Liter		500mL		250mL				VOA Vials					Other / Fill in										
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	BiSulfate	Col/Bact							
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August 8, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23G2395

Enclosed are results of analyses for samples as received by the laboratory on July 19, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 8/8/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G2395

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

PROJECT LOCATION: 300 Falconer Street, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Outfall 001	23G2395-01	Ground Water		EPA 1664B EPA 200.7 SM21-23 2540D SW-846 8260D	
Trip Blank	23G2395-02	Trip Blank 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:****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:**1,1-Dichloroethylene**

23G2395-01[Outfall 001], 23G2395-02[Trip Blank], B346794-BLK1, B346794-BS1, B346794-BSD1, S090931-CCV1

Acetone

23G2395-01[Outfall 001], 23G2395-02[Trip Blank], B346794-BLK1, B346794-BS1, B346794-BSD1, S090931-CCV1

Trichlorofluoromethane (Freon 11)

23G2395-01[Outfall 001], 23G2395-02[Trip Blank], B346794-BLK1, B346794-BS1, B346794-BSD1, S090931-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-Dichloroethane**

B346794-BS1, B346794-BSD1, S090931-CCV1

Bromochloromethane

B346794-BS1, B346794-BSD1, S090931-CCV1

cis-1,2-Dichloroethylene

B346794-BS1, B346794-BSD1, S090931-CCV1

Cyclohexane

B346794-BS1, B346794-BSD1, S090931-CCV1

trans-1,2-Dichloroethylene

B346794-BS1, B346794-BSD1, S090931-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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

23G2395-01[Outfall 001], 23G2395-02[Trip Blank], B346794-BLK1, B346794-BS1, B346794-BSD1, S090931-CCV1

Dichlorodifluoromethane (Freon 12)

23G2395-01[Outfall 001], 23G2395-02[Trip Blank], B346794-BLK1, B346794-BS1, B346794-BSD1, S090931-CCV1

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

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



Lisa A. Worthington
Technical Representative

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23G2395

Date Received: 7/19/2023

Field Sample #: Outfall 001

Sampled: 7/18/2023 10:45

Sample ID: 23G2395-01

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	3.6	50	2.0	µg/L	1	V-05, J	SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Chloromethane	ND	2.0	0.50	µg/L	1	V-34	SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1	V-34	SW-846 8260D	7/24/23	7/24/23 13:35	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1	V-05	SW-846 8260D	7/24/23	7/24/23 13:35	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Methylene Chloride	0.38	5.0	0.18	µg/L	1	J	SW-846 8260D	7/24/23	7/24/23 13:35	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23G2395

Date Received: 7/19/2023

Field Sample #: Outfall 001

Sampled: 7/18/2023 10:45

Sample ID: 23G2395-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1	V-05	SW-846 8260D	7/24/23	7/24/23 13:35	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:35	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	93.9	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	97.0	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23G2395

Date Received: 7/19/2023

Field Sample #: Outfall 001

Sampled: 7/18/2023 10:45

Sample ID: 23G2395-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.045	mg/L	1		EPA 200.7	7/20/23	7/26/23 20:45	MJH
Iron	0.58	0.050	0.047	mg/L	1		EPA 200.7	7/20/23	7/28/23 15:11	HNN
Zinc	0.0076	0.010	0.0047	mg/L	1	J	EPA 200.7	7/20/23	7/26/23 20:45	MJH

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23G2395

Date Received: 7/19/2023

Field Sample #: Outfall 001

Sampled: 7/18/2023 10:45

Sample ID: 23G2395-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	2.0	1.2	mg/L	1		SM21-23 2540D	7/20/23	7/20/23 13:50	LL
Oil & Grease (HEM)	0.90	1.4	0.60	mg/L	1	J	EPA 1664B	8/7/23	8/7/23 11:27	LL

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23G2395

Date Received: 7/19/2023

Field Sample #: Trip Blank

Sampled: 7/18/2023 00:00

Sample ID: 23G2395-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1	V-05	SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Chloromethane	ND	2.0	0.50	µg/L	1	V-34	SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1	V-34	SW-846 8260D	7/24/23	7/24/23 13:07	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1	V-05	SW-846 8260D	7/24/23	7/24/23 13:07	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Methylene Chloride	0.35	5.0	0.18	µg/L	1	J	SW-846 8260D	7/24/23	7/24/23 13:07	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23G2395

Date Received: 7/19/2023

Field Sample #: Trip Blank

Sampled: 7/18/2023 00:00

Sample ID: 23G2395-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1	V-05	SW-846 8260D	7/24/23	7/24/23 13:07	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/24/23	7/24/23 13:07	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	93.8	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	95.5	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
23G2395-01 [Outfall 001]	B348199	1000	08/07/23

Prep Method:EPA 200.7 **Analytical Method:**EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2395-01 [Outfall 001]	B346520	50.0	50.0	07/20/23

SM21-23 2540D

Lab Number [Field ID]	Batch	Initial [mL]	Date
23G2395-01 [Outfall 001]	B346499	250	07/20/23

Prep Method:SW-846 5030B **Analytical Method:**SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2395-01 [Outfall 001]	B346794	5	5.00	07/24/23
23G2395-02 [Trip Blank]	B346794	5	5.00	07/24/23

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346794 - SW-846 5030B										
Blank (B346794-BLK1)				Prepared & Analyzed: 07/24/23						
Acetone	ND	50	µg/L							V-05
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							V-34
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							V-34
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							V-05
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							V-05
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							

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346794 - SW-846 5030B										
Blank (B346794-BLK1)										
Prepared & Analyzed: 07/24/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.5		µg/L	25.0		93.8	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	23.9		µg/L	25.0		95.7	70-130			
LCS (B346794-BS1)										
Prepared & Analyzed: 07/24/23										
Acetone	78.5	50	µg/L	100		78.5	70-160			V-05 †
Benzene	11.8	1.0	µg/L	10.0		118	70-130			
Bromochloromethane	12.8	1.0	µg/L	10.0		128	70-130			V-20
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130			
Bromoform	9.43	1.0	µg/L	10.0		94.3	70-130			
Bromomethane	10.6	2.0	µg/L	10.0		106	40-160			†
2-Butanone (MEK)	117	20	µg/L	100		117	40-160			†
Carbon Disulfide	90.8	5.0	µg/L	100		90.8	70-130			
Carbon Tetrachloride	10.7	5.0	µg/L	10.0		107	70-130			
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Chlorodibromomethane	10.3	0.50	µg/L	10.0		103	70-130			
Chloroethane	8.94	2.0	µg/L	10.0		89.4	70-130			
Chloroform	11.5	2.0	µg/L	10.0		115	70-130			
Chloromethane	8.84	2.0	µg/L	10.0		88.4	40-160			V-34 †
Cyclohexane	12.3	5.0	µg/L	10.0		123	70-130			V-20
1,2-Dibromo-3-chloropropane (DBCP)	10.3	5.0	µg/L	10.0		103	70-130			
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0		109	70-130			
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
Dichlorodifluoromethane (Freon 12)	8.58	2.0	µg/L	10.0		85.8	40-160			V-34 †
1,1-Dichloroethane	12.6	1.0	µg/L	10.0		126	70-130			V-20
1,2-Dichloroethane	9.95	1.0	µg/L	10.0		99.5	70-130			
1,1-Dichloroethylene	7.93	1.0	µg/L	10.0		79.3	70-130			V-05
cis-1,2-Dichloroethylene	12.2	1.0	µg/L	10.0		122	70-130			V-20
trans-1,2-Dichloroethylene	12.3	1.0	µg/L	10.0		123	70-130			V-20
1,2-Dichloropropane	12.0	1.0	µg/L	10.0		120	70-130			
cis-1,3-Dichloropropene	12.0	0.50	µg/L	10.0		120	70-130			
trans-1,3-Dichloropropene	11.8	0.50	µg/L	10.0		118	70-130			
1,4-Dioxane	110	50	µg/L	100		110	40-130			†
Ethylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
2-Hexanone (MBK)	119	10	µg/L	100		119	70-160			†
Isopropylbenzene (Cumene)	10.7	1.0	µg/L	10.0		107	70-130			
Methyl Acetate	8.35	1.0	µg/L	10.0		83.5	70-130			
Methyl tert-Butyl Ether (MTBE)	10.9	1.0	µg/L	10.0		109	70-130			
Methyl Cyclohexane	10.5	1.0	µg/L	10.0		105	70-130			
Methylene Chloride	9.26	5.0	µg/L	10.0		92.6	70-130			
4-Methyl-2-pentanone (MIBK)	116	10	µg/L	100		116	70-160			†
Styrene	10.8	1.0	µg/L	10.0		108	70-130			
1,1,2,2-Tetrachloroethane	11.1	0.50	µg/L	10.0		111	70-130			
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Toluene	11.2	1.0	µg/L	10.0		112	70-130			
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130			
1,2,4-Trichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,1,1-Trichloroethane	11.2	1.0	µg/L	10.0		112	70-130			

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346794 - SW-846 5030B										
LCS (B346794-BS1)										
Prepared & Analyzed: 07/24/23										
1,1,2-Trichloroethane	11.3	1.0	µg/L	10.0		113	70-130			
Trichloroethylene	11.2	1.0	µg/L	10.0		112	70-130			
Trichlorofluoromethane (Freon 11)	7.30	2.0	µg/L	10.0		73.0	70-130			V-05
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.24	1.0	µg/L	10.0		92.4	70-130			
Vinyl Chloride	10.0	2.0	µg/L	10.0		100	40-160			†
m+p Xylene	21.5	2.0	µg/L	20.0		108	70-130			
o-Xylene	10.9	1.0	µg/L	10.0		109	70-130			
Xylenes (total)	32.4	1.0	µg/L	30.0		108	0-200			
Surrogate: 1,2-Dichloroethane-d4	23.9		µg/L	25.0		95.8	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	25.6		µg/L	25.0		103	70-130			
LCS Dup (B346794-BSD1)										
Prepared & Analyzed: 07/24/23										
Acetone	76.1	50	µg/L	100		76.1	70-160	3.07	25	V-05 †
Benzene	11.7	1.0	µg/L	10.0		117	70-130	0.598	25	
Bromochloromethane	12.6	1.0	µg/L	10.0		126	70-130	0.866	25	V-20
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130	0.566	25	
Bromoform	9.13	1.0	µg/L	10.0		91.3	70-130	3.23	25	
Bromomethane	10.2	2.0	µg/L	10.0		102	40-160	4.24	25	†
2-Butanone (MEK)	145	20	µg/L	100		145	40-160	21.2	25	†
Carbon Disulfide	89.5	5.0	µg/L	100		89.5	70-130	1.42	25	
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106	70-130	1.41	25	
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	0.0940	25	
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104	70-130	0.386	25	
Chloroethane	9.05	2.0	µg/L	10.0		90.5	70-130	1.22	25	
Chloroform	11.6	2.0	µg/L	10.0		116	70-130	0.778	25	
Chloromethane	8.91	2.0	µg/L	10.0		89.1	40-160	0.789	25	V-34 †
Cyclohexane	12.0	5.0	µg/L	10.0		120	70-130	2.64	25	V-20
1,2-Dibromo-3-chloropropane (DBCP)	9.86	5.0	µg/L	10.0		98.6	70-130	4.56	25	
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130	0.644	25	
1,2-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	1.80	25	
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	3.10	25	
1,4-Dichlorobenzene	9.92	1.0	µg/L	10.0		99.2	70-130	3.47	25	
Dichlorodifluoromethane (Freon 12)	8.57	2.0	µg/L	10.0		85.7	40-160	0.117	25	V-34 †
1,1-Dichloroethane	12.5	1.0	µg/L	10.0		125	70-130	0.797	25	V-20
1,2-Dichloroethane	9.85	1.0	µg/L	10.0		98.5	70-130	1.01	25	
1,1-Dichloroethylene	7.65	1.0	µg/L	10.0		76.5	70-130	3.59	25	V-05
cis-1,2-Dichloroethylene	12.2	1.0	µg/L	10.0		122	70-130	0.00	25	V-20
trans-1,2-Dichloroethylene	12.0	1.0	µg/L	10.0		120	70-130	2.22	25	V-20
1,2-Dichloropropane	11.9	1.0	µg/L	10.0		119	70-130	1.26	25	
cis-1,3-Dichloropropene	12.2	0.50	µg/L	10.0		122	70-130	1.24	25	
trans-1,3-Dichloropropene	11.9	0.50	µg/L	10.0		119	70-130	0.422	25	
1,4-Dioxane	101	50	µg/L	100		101	40-130	9.39	50	† ‡
Ethylbenzene	10.7	1.0	µg/L	10.0		107	70-130	0.466	25	
2-Hexanone (MBK)	118	10	µg/L	100		118	70-160	1.14	25	†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130	4.31	25	
Methyl Acetate	8.16	1.0	µg/L	10.0		81.6	70-130	2.30	25	
Methyl tert-Butyl Ether (MTBE)	10.9	1.0	µg/L	10.0		109	70-130	0.551	25	
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104	70-130	0.287	25	
Methylene Chloride	9.14	5.0	µg/L	10.0		91.4	70-130	1.30	25	
4-Methyl-2-pentanone (MIBK)	115	10	µg/L	100		115	70-160	0.712	25	†
Styrene	10.7	1.0	µg/L	10.0		107	70-130	0.839	25	

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346794 - SW-846 5030B										
LCS Dup (B346794-BSD1)				Prepared & Analyzed: 07/24/23						
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108	70-130	2.38	25	
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130	0.567	25	
Toluene	11.2	1.0	µg/L	10.0		112	70-130	0.445	25	
1,2,3-Trichlorobenzene	10.4	5.0	µg/L	10.0		104	70-130	1.65	25	
1,2,4-Trichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	0.294	25	
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130	1.62	25	
1,1,2-Trichloroethane	11.3	1.0	µg/L	10.0		113	70-130	0.177	25	
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	1.08	25	
Trichlorofluoromethane (Freon 11)	7.32	2.0	µg/L	10.0		73.2	70-130	0.274	25	V-05
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.09	1.0	µg/L	10.0		90.9	70-130	1.64	25	
Vinyl Chloride	9.85	2.0	µg/L	10.0		98.5	40-160	1.61	25	†
m+p Xylene	21.0	2.0	µg/L	20.0		105	70-130	2.50	25	
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130	3.36	25	
Xylenes (total)	31.5	1.0	µg/L	30.0		105	0-200	2.79		
Surrogate: 1,2-Dichloroethane-d4	23.2		µg/L	25.0		92.9	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		µg/L	25.0		99.9	70-130			

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

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346520 - EPA 200.7										
Blank (B346520-BLK1)				Prepared: 07/20/23 Analyzed: 07/26/23						
Aluminum	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							
Blank (B346520-BLK2)				Prepared: 07/20/23 Analyzed: 07/28/23						
Iron	ND	0.050	mg/L							
LCS (B346520-BS1)				Prepared: 07/20/23 Analyzed: 07/28/23						
Iron	4.14	0.050	mg/L	4.00		104	85-115			
Zinc	1.03	0.010	mg/L	1.00		103	85-115			
LCS (B346520-BS3)				Prepared: 07/20/23 Analyzed: 07/29/23						
Aluminum	0.500	0.050	mg/L	0.500		100	85-115			
LCS Dup (B346520-BSD1)				Prepared: 07/20/23 Analyzed: 07/28/23						
Iron	3.96	0.050	mg/L	4.00		99.0	85-115	4.50	20	
Zinc	1.01	0.010	mg/L	1.00		101	85-115	2.10	20	
LCS Dup (B346520-BSD3)				Prepared: 07/20/23 Analyzed: 07/29/23						
Aluminum	0.475	0.050	mg/L	0.500		95.1	85-115	5.12	20	
Duplicate (B346520-DUP1)				Source: 23G2395-01		Prepared: 07/20/23 Analyzed: 07/26/23				
Aluminum	ND	0.050	mg/L		ND			NC	20	
Zinc	0.00923	0.010	mg/L		0.00762			19.0	20	J
Duplicate (B346520-DUP2)				Source: 23G2395-01		Prepared: 07/20/23 Analyzed: 07/28/23				
Iron	0.571	0.050	mg/L		0.582			2.01	20	
Matrix Spike (B346520-MS1)				Source: 23G2395-01		Prepared: 07/20/23 Analyzed: 07/26/23				
Aluminum	0.524	0.050	mg/L	0.500	ND	105	70-130			
Zinc	1.04	0.010	mg/L	1.00	0.00762	103	70-130			
Matrix Spike (B346520-MS2)				Source: 23G2395-01		Prepared: 07/20/23 Analyzed: 07/28/23				
Iron	4.59	0.050	mg/L	4.00	0.582	100	70-130			

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346499 - SM21-23 2540D										
Blank (B346499-BLK1)				Prepared & Analyzed: 07/20/23						
Total Suspended Solids	ND	5.0	mg/L							
LCS (B346499-BS1)				Prepared & Analyzed: 07/20/23						
Total Suspended Solids	242	5.0	mg/L	200		121	55.1-124			
Batch B348199 - EPA 1664B										
Blank (B348199-BLK1)				Prepared & Analyzed: 08/07/23						
Oil & Grease (HEM)	ND	1.4	mg/L							
Blank (B348199-BLK2)				Prepared & Analyzed: 08/07/23						
Oil & Grease (HEM)	ND	70	mg/L							
LCS (B348199-BS1)				Prepared & Analyzed: 08/07/23						
Oil & Grease (HEM)	17	1.4	mg/L	20.0		85.0	78-114			
LCS (B348199-BS2)				Prepared & Analyzed: 08/07/23						
Oil & Grease (HEM)	820	70	mg/L	1000		82.0	78-114			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**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).
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-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SM21-23 2540D in Water</i>	
Total Suspended Solids	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

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	
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
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
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

CHAIN OF CUSTODY

DEC Site #: 907016

Client: New York State Dept. of Environmental Conservation

PAGE 1 OF 1

FED-EX Tracking #	Bottle Order Control #
Lab Quote #	Lab Job #

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

☒ **Standard 14 Days**

1 day RUSH

Other

Laboratory Information

Lab: Pace Analytical Services

Address: 39 Spruce St, East Longmeadow, MA 01028

Phone: 518-608-1036

Lab PM: Michael Buttrick

Lab PM Email:

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + QC Summary

FULLT1 (Level 3 & 4)

NJ Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

NJ Data of Known Quality Protocol Reporting

NYASP Category A

 **NYASP Category B**

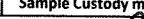
State Forms

EDD Format

 Other NYSDEC EDD FOR NYSDEC EQUIS

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/Bufalo/NY/MainSt/2929-2939 LabReport#.30987.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By: Sampler	Date / Time:	Received By:	
1 	1 7/18/2000	1  5.40C	7-16-23 C492
Relinquished By:	Date / Time:	Received By:	
2	2	2	
Relinquished By:	Date / Time:	Received By:	
3	3	3	
Custody Seal Number: ☐ Intact ☐ Preserved where applicable			

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Wednesday

7/19/2023 at 9:52 am

Signed for by: L.ARROYO

↓ Obtain proof of delivery

How was your delivery?



DELIVERY STATUS

Delivered

↓ Shipment is 1 of 3 pieces

TRACKING ID

781305311914

FROM

EAST LONGMEADOW, MA US

Label Created

7/18/2023 11:46 AM

WE HAVE YOUR PACKAGE

JAMESTOWN, NY

7/18/2023 12:44 PM

IN TRANSIT

WINDSOR LOCKS, CT

7/19/2023 6:59 AM

OUT FOR DELIVERY

DELIVERED

East Longmeadow, MA US

Delivered

7/19/2023 at 9:52 AM

↓ View travel history

Want updates on this shipment? Enter your email and we will do the rest!

YOUR EMAIL

SUBMIT

MORE OPTIONS

ASK FEDEX

Effective Date: 07/13/2023

Client GES

Project Frewsburg / NY / Falconer St

MCP/RCP Required NI A

Deliverable Package Requirement CAT B

Location 300 Falconer St, Frewsburg, NY

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐

Received By / Date / Time AAM / 7-14-23 / 0957

Back-Sheet By / Date / Time AAM/7-9-23/1018

Temperature Method Temp. Gun # 5

Temp $\checkmark < 6^{\circ}\text{C}$ Actual Temperature 5.4°C

Rush Samples: Yes / No Notify

Short Hold: Yes / No Notify

Notes regarding Samples/COC outside of SOP:

True False

Received on Ice

Received in Cooler

Custody Seal: DATE TIME

COC Relinquished

COC/Samples Labels Agree

All Samples in Good Condition

Samples Received within Holding Time

Is there enough Volume

Proper Media/Container Used

Splitting Samples Required

MS/MSD

Trip Blanks

Lab to Filters

COC Legible

COC Included: (Check all included)

Client

Analysis

Sampler Name

Project

IDs

Collection Date/Time

All Samples Proper pH:

Additional Container Notes

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

Effective Date: 07/13/2023

[illegible]

August 29, 2023

Thomas Palmer
NYDEC_GES - Pawling, NY
63 East Main Street, Unit 3
Pawling, NY 12564

Project Location: 300 Falconer St., Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23H1735

Enclosed are results of analyses for samples as received by the laboratory on August 10, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Pawling, NY
63 East Main Street, Unit 3
Pawling, NY 12564
ATTN: Thomas Palmer

REPORT DATE: 8/29/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23H1735

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

PROJECT LOCATION: 300 Falconer St., Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Outfall 001	23H1735-01	Ground Water		EPA 1664B EPA 200.7 SM21-23 2540D SW-846 8260D	
Trip Blank	23H1735-02	Trip Blank Water		SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

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:**Bromochloromethane**B348897-BSD1

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:**Bromoform**23H1735-01[Outfall 001], 23H1735-02[Trip Blank], B348897-BLK1, B348897-BS1, B348897-BSD1, S092160-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:**Bromochloromethane**

B348897-BS1, B348897-BSD1, S092160-CCV1

Bromomethane

B348897-BS1, B348897-BSD1, S092160-CCV1

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

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



Lisa A. Worthington

Technical Representative

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

Project Location: 300 Falconer St., Frewsburg, NY

Sample Description:

Work Order: 23H1735

Date Received: 8/10/2023

Field Sample #: Outfall 001

Sampled: 8/8/2023 12:00

Sample ID: 23H1735-01

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	8/14/23	8/16/23 14:37	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH

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

Project Location: 300 Falconer St., Frewsburg, NY

Sample Description:

Work Order: 23H1735

Date Received: 8/10/2023

Field Sample #: Outfall 001

Sampled: 8/8/2023 12:00

Sample ID: 23H1735-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/14/23	8/16/23 14:37	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	114	70-130	
Toluene-d8	100	70-130	
4-Bromofluorobenzene	83.0	70-130	

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Project Location: 300 Falconer St., Frewsburg, NY

Sample Description:

Work Order: 23H1735

Date Received: 8/10/2023

Field Sample #: Outfall 001

Sampled: 8/8/2023 12:00

Sample ID: 23H1735-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.047	0.050	0.031	mg/L	1	J	EPA 200.7	8/18/23	8/21/23 20:12	ATP
Iron	0.56	0.050	0.047	mg/L	1		EPA 200.7	8/18/23	8/21/23 20:12	ATP
Zinc	0.0071	0.010	0.0047	mg/L	1	J	EPA 200.7	8/18/23	8/22/23 23:52	HNN

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Project Location: 300 Falconer St., Frewsburg, NY

Sample Description:

Work Order: 23H1735

Date Received: 8/10/2023

Field Sample #: Outfall 001

Sampled: 8/8/2023 12:00

Sample ID: 23H1735-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	10	1.0	0.58	mg/L	1		SM21-23 2540D	8/14/23	8/14/23 14:20	LL
Oil & Grease (HEM)	ND	1.4	0.60	mg/L	1		EPA 1664B	8/28/23	8/28/23 12:40	LL

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Project Location: 300 Falconer St., Frewsburg, NY

Sample Description:

Work Order: 23H1735

Date Received: 8/10/2023

Field Sample #: Trip Blank

Sampled: 8/8/2023 00:00

Sample ID: 23H1735-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH

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

Project Location: 300 Falconer St., Frewsburg, NY

Sample Description:

Work Order: 23H1735

Date Received: 8/10/2023

Field Sample #: Trip Blank

Sampled: 8/8/2023 00:00

Sample ID: 23H1735-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/14/23	8/16/23 12:50	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	111	70-130	
Toluene-d8	99.8	70-130	
4-Bromofluorobenzene	81.0	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
23H1735-01 [Outfall 001]	B350282	1000	08/28/23

Prep Method:EPA 200.7 **Analytical Method:**EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23H1735-01 [Outfall 001]	B349553	50.0	50.0	08/18/23

SM21-23 2540D

Lab Number [Field ID]	Batch	Initial [mL]	Date
23H1735-01 [Outfall 001]	B348879	500	08/14/23

Prep Method:SW-846 5030B **Analytical Method:**SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23H1735-01 [Outfall 001]	B348897	5	5.00	08/14/23
23H1735-02 [Trip Blank]	B348897	5	5.00	08/14/23

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

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

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

Batch B348897 - SW-846 5030B
Blank (B348897-BLK1)

Prepared: 08/14/23 Analyzed: 08/16/23

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							V-05
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 B348897 - SW-846 5030B										
Blank (B348897-BLK1)										
Prepared: 08/14/23 Analyzed: 08/16/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	26.2		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	20.2		µg/L	25.0		81.0	70-130			
LCS (B348897-BS1)										
Prepared: 08/14/23 Analyzed: 08/16/23										
Acetone	110	50	µg/L	100		110	70-160			†
Benzene	11.4	1.0	µg/L	10.0		114	70-130			
Bromochloromethane	12.7	1.0	µg/L	10.0		127	70-130			V-20
Bromodichloromethane	10.5	0.50	µg/L	10.0		105	70-130			
Bromoform	7.57	1.0	µg/L	10.0		75.7	70-130			V-05
Bromomethane	13.4	2.0	µg/L	10.0		134	40-160			V-20 †
2-Butanone (MEK)	118	20	µg/L	100		118	40-160			†
Carbon Disulfide	104	5.0	µg/L	100		104	70-130			
Carbon Tetrachloride	8.81	5.0	µg/L	10.0		88.1	70-130			
Chlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
Chlorodibromomethane	9.54	0.50	µg/L	10.0		95.4	70-130			
Chloroethane	10.1	2.0	µg/L	10.0		101	70-130			
Chloroform	10.7	2.0	µg/L	10.0		107	70-130			
Chloromethane	10.9	2.0	µg/L	10.0		109	40-160			†
Cyclohexane	10.6	5.0	µg/L	10.0		106	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.85	5.0	µg/L	10.0		88.5	70-130			
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130			
1,2-Dichlorobenzene	9.98	1.0	µg/L	10.0		99.8	70-130			
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
1,4-Dichlorobenzene	9.13	1.0	µg/L	10.0		91.3	70-130			
Dichlorodifluoromethane (Freon 12)	10.9	2.0	µg/L	10.0		109	40-160			†
1,1-Dichloroethane	11.2	1.0	µg/L	10.0		112	70-130			
1,2-Dichloroethane	9.99	1.0	µg/L	10.0		99.9	70-130			
1,1-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
cis-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130			
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130			
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130			
1,4-Dioxane	84.7	50	µg/L	100		84.7	40-130			†
Ethylbenzene	9.34	1.0	µg/L	10.0		93.4	70-130			
2-Hexanone (MBK)	103	10	µg/L	100		103	70-160			†
Isopropylbenzene (Cumene)	8.56	1.0	µg/L	10.0		85.6	70-130			
Methyl Acetate	10.2	1.0	µg/L	10.0		102	70-130			
Methyl tert-Butyl Ether (MTBE)	9.81	1.0	µg/L	10.0		98.1	70-130			
Methyl Cyclohexane	10.2	1.0	µg/L	10.0		102	70-130			
Methylene Chloride	10.9	5.0	µg/L	10.0		109	70-130			
4-Methyl-2-pentanone (MIBK)	99.8	10	µg/L	100		99.8	70-160			†
Styrene	8.89	1.0	µg/L	10.0		88.9	70-130			
1,1,2,2-Tetrachloroethane	9.68	0.50	µg/L	10.0		96.8	70-130			
Tetrachloroethylene	9.86	1.0	µg/L	10.0		98.6	70-130			
Toluene	10.2	1.0	µg/L	10.0		102	70-130			
1,2,3-Trichlorobenzene	7.88	5.0	µg/L	10.0		78.8	70-130			
1,2,4-Trichlorobenzene	7.47	1.0	µg/L	10.0		74.7	70-130			
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103	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 B348897 - SW-846 5030B										
LCS (B348897-BS1)										
Prepared: 08/14/23 Analyzed: 08/16/23										
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
Trichloroethylene	9.99	1.0	µg/L	10.0		99.9	70-130			
Trichlorofluoromethane (Freon 11)	9.89	2.0	µg/L	10.0		98.9	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130			
Vinyl Chloride	11.6	2.0	µg/L	10.0		116	40-160			†
m+p Xylene	18.4	2.0	µg/L	20.0		92.1	70-130			
o-Xylene	8.76	1.0	µg/L	10.0		87.6	70-130			
Xylenes (total)	27.2	1.0	µg/L	30.0		90.6	0-200			
Surrogate: 1,2-Dichloroethane-d4	27.8		µg/L	25.0		111	70-130			
Surrogate: Toluene-d8	26.1		µg/L	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	23.0		µg/L	25.0		92.2	70-130			
LCS Dup (B348897-BSD1)										
Prepared: 08/14/23 Analyzed: 08/16/23										
Acetone	113	50	µg/L	100		113	70-160	2.18	25	†
Benzene	11.3	1.0	µg/L	10.0		113	70-130	0.707	25	
Bromochloromethane	13.2	1.0	µg/L	10.0		132	* 70-130	3.32	25	L-07, V-20
Bromodichloromethane	10.4	0.50	µg/L	10.0		104	70-130	0.479	25	
Bromoform	7.70	1.0	µg/L	10.0		77.0	70-130	1.70	25	V-05
Bromomethane	13.2	2.0	µg/L	10.0		132	40-160	0.977	25	V-20 †
2-Butanone (MEK)	125	20	µg/L	100		125	40-160	5.27	25	†
Carbon Disulfide	103	5.0	µg/L	100		103	70-130	0.376	25	
Carbon Tetrachloride	8.81	5.0	µg/L	10.0		88.1	70-130	0.00	25	
Chlorobenzene	9.94	1.0	µg/L	10.0		99.4	70-130	1.60	25	
Chlorodibromomethane	9.52	0.50	µg/L	10.0		95.2	70-130	0.210	25	
Chloroethane	10.0	2.0	µg/L	10.0		100	70-130	0.398	25	
Chloroform	10.7	2.0	µg/L	10.0		107	70-130	0.00	25	
Chloromethane	10.7	2.0	µg/L	10.0		107	40-160	1.67	25	†
Cyclohexane	10.9	5.0	µg/L	10.0		109	70-130	3.16	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.71	5.0	µg/L	10.0		87.1	70-130	1.59	25	
1,2-Dibromoethane (EDB)	10.5	0.50	µg/L	10.0		105	70-130	3.59	25	
1,2-Dichlorobenzene	9.99	1.0	µg/L	10.0		99.9	70-130	0.100	25	
1,3-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	2.06	25	
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	14.0	25	
Dichlorodifluoromethane (Freon 12)	10.9	2.0	µg/L	10.0		109	40-160	0.275	25	†
1,1-Dichloroethane	11.2	1.0	µg/L	10.0		112	70-130	0.00	25	
1,2-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130	2.18	25	
1,1-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	2.27	25	
cis-1,2-Dichloroethylene	11.2	1.0	µg/L	10.0		112	70-130	4.20	25	
trans-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	2.65	25	
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130	0.741	25	
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130	2.71	25	
trans-1,3-Dichloropropene	9.90	0.50	µg/L	10.0		99.0	70-130	3.18	25	
1,4-Dioxane	94.5	50	µg/L	100		94.5	40-130	10.9	50	† ‡
Ethylbenzene	9.62	1.0	µg/L	10.0		96.2	70-130	2.95	25	
2-Hexanone (MBK)	95.2	10	µg/L	100		95.2	70-160	7.70	25	†
Isopropylbenzene (Cumene)	8.82	1.0	µg/L	10.0		88.2	70-130	2.99	25	
Methyl Acetate	10.9	1.0	µg/L	10.0		109	70-130	6.06	25	
Methyl tert-Butyl Ether (MTBE)	10.0	1.0	µg/L	10.0		100	70-130	2.12	25	
Methyl Cyclohexane	10.3	1.0	µg/L	10.0		103	70-130	1.37	25	
Methylene Chloride	11.1	5.0	µg/L	10.0		111	70-130	1.54	25	
4-Methyl-2-pentanone (MIBK)	100	10	µg/L	100		100	70-160	0.210	25	†
Styrene	8.79	1.0	µg/L	10.0		87.9	70-130	1.13	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 B348897 - SW-846 5030B										
LCS Dup (B348897-BSD1)					Prepared: 08/14/23 Analyzed: 08/16/23					
1,1,2,2-Tetrachloroethane	9.41	0.50	µg/L	10.0		94.1	70-130	2.83	25	
Tetrachloroethylene	9.79	1.0	µg/L	10.0		97.9	70-130	0.712	25	
Toluene	10.2	1.0	µg/L	10.0		102	70-130	0.391	25	
1,2,3-Trichlorobenzene	8.53	5.0	µg/L	10.0		85.3	70-130	7.92	25	
1,2,4-Trichlorobenzene	7.89	1.0	µg/L	10.0		78.9	70-130	5.47	25	
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130	1.06	25	
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	3.52	25	
Trichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	3.06	25	
Trichlorofluoromethane (Freon 11)	10.0	2.0	µg/L	10.0		100	70-130	1.21	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.98	1.0	µg/L	10.0		99.8	70-130	4.70	25	
Vinyl Chloride	11.2	2.0	µg/L	10.0		112	40-160	3.42	25	†
m+p Xylene	18.6	2.0	µg/L	20.0		93.2	70-130	1.19	25	
o-Xylene	9.05	1.0	µg/L	10.0		90.5	70-130	3.26	25	
Xylenes (total)	27.7	1.0	µg/L	30.0		92.3	0-200	1.86		
Surrogate: 1,2-Dichloroethane-d4	27.1		µg/L	25.0		109	70-130			
Surrogate: Toluene-d8	25.7		µg/L	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	22.2		µg/L	25.0		89.0	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B349553 - EPA 200.7										
Blank (B349553-BLK1)				Prepared: 08/18/23 Analyzed: 08/21/23						
Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Blank (B349553-BLK2)				Prepared: 08/18/23 Analyzed: 08/22/23						
Zinc	ND	0.010	mg/L							
LCS (B349553-BS1)				Prepared: 08/18/23 Analyzed: 08/21/23						
Aluminum	0.528	0.050	mg/L	0.500		106	85-115			
Iron	4.13	0.050	mg/L	4.00		103	85-115			
LCS (B349553-BS2)				Prepared: 08/18/23 Analyzed: 08/22/23						
Zinc	1.09	0.010	mg/L	1.00		109	85-115			
LCS Dup (B349553-BSD1)				Prepared: 08/18/23 Analyzed: 08/21/23						
Aluminum	0.522	0.050	mg/L	0.500		104	85-115	1.00	20	
Iron	4.10	0.050	mg/L	4.00		103	85-115	0.663	20	
LCS Dup (B349553-BSD2)				Prepared: 08/18/23 Analyzed: 08/22/23						
Zinc	1.06	0.010	mg/L	1.00		106	85-115	2.96	20	
Duplicate (B349553-DUP1)				Source: 23H1735-01		Prepared: 08/18/23 Analyzed: 08/21/23				
Aluminum	0.0514	0.050	mg/L		0.0474			8.14	20	
Iron	0.578	0.050	mg/L		0.564			2.54	20	
Duplicate (B349553-DUP2)				Source: 23H1735-01		Prepared: 08/18/23 Analyzed: 08/22/23				
Zinc	0.00726	0.010	mg/L		0.00706			2.72	20	J
Matrix Spike (B349553-MS1)				Source: 23H1735-01		Prepared: 08/18/23 Analyzed: 08/21/23				
Aluminum	0.568	0.050	mg/L	0.500	0.0474	104	70-130			
Iron	4.65	0.050	mg/L	4.00	0.564	102	70-130			
Matrix Spike (B349553-MS2)				Source: 23H1735-01		Prepared: 08/18/23 Analyzed: 08/22/23				
Zinc	1.02	0.010	mg/L	1.00	0.00706	101	70-130			

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

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

Batch B348879 - SM21-23 2540D
Blank (B348879-BLK1)

Prepared & Analyzed: 08/14/23

Total Suspended Solids ND 5.0 mg/L

LCS (B348879-BS1)

Prepared & Analyzed: 08/14/23

Total Suspended Solids 189 5.0 mg/L 200 94.5 55.1-124

Batch B350282 - EPA 1664B
Blank (B350282-BLK1)

Prepared & Analyzed: 08/28/23

Oil & Grease (HEM) ND 1.4 mg/L

Blank (B350282-BLK2)

Prepared & Analyzed: 08/28/23

Oil & Grease (HEM) ND 56 mg/L

LCS (B350282-BS1)

Prepared & Analyzed: 08/28/23

Oil & Grease (HEM) 17 1.4 mg/L 20.0 85.5 78-114

LCS (B350282-BS2)

Prepared & Analyzed: 08/28/23

Oil & Grease (HEM) 700 56 mg/L 800 87.0 78-114

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**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.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SM21-23 2540D in Water</i>	
Total Suspended Solids	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
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
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
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

CHAIN OF CUSTODY

Client: New York State Dept. of
Environmental Conservation

DEC Site #: 907016

FED-EX Tracking #

PAGE 7 OF

Bottle Order Control #

Lab Quote #

Lab Job #	

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

 **Standard 14 Days**

1 day RUSH

Other _____

Laboratory Information

Lab: Pace Analytical Services

Address: 39 Spruce St, East Longmeadow, MA 01028

Phone: 518-608-1036

Lab PM: Michael Buttrick

Lab PM Email:

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + QC Summary

FULLT1 (Level 3 & 4)

NJ Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

7 NJ Data of Known Quality Protocol Reporting

☐ NYASP Category A

 NYASP Category B

State Forms

EDD Format

☒ Other NYSDEC EDD FOR NYSDEC EQUIS

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Samples	Date / Time:	Received By:	
1 <i>[Signature]</i>	1 8/8 1630	1 <i>[Signature]</i>	
Relinquished By:	Date / Time:	Received By:	
2 <i>[Signature]</i>	2 8/8 16:30	2 <i>[Signature]</i>	
Relinquished By:	Date / Time:	Received By:	
3	3	3 <i>[Signature]</i>	8/10/23
Custody Seal Number:	☐ Intact	☐ Preserved where applicable	



DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

Sample	Soils Jars				Ambers				Plastics				VOA Vials				Other / Fill in			
	(Circle Amb/Clear)				1 Liter				250ml				250ml							
1	16oz Amb/Clear				Unpreserved				Unpreserved				Unpreserved							
2	8oz Amb/Clear				HCL				Sulfuric				Trizma							
3	4oz Amb/Clear				Sulfuric				Sulfuric				Sulfuric							
4	2oz Amb/Clear				Phosphoric				Unpreserved				Nitric							
5					HCL				Sulfuric				NaOH							
6					Unpreserved				Unpreserved				Ammonium Acetate							
7					Sulfuric				Trizma				NaOH/Zinc							
8					Phosphoric				Sulfuric				Unpreserved							
9					HCL				Nitric				HCL							
10					Sulfuric				NaOH				MeOH							
11					Unpreserved				Ammonium Acetate				D.I. Water							
12					Sulfuric				NaOH/Zinc				BiSulfate							
13					Phosphoric				Unpreserved				Col/Bact							
14					HCL															
15					Unpreserved															
16					Sulfuric															
17					Phosphoric															
18					HCL															
19					Unpreserved															
20					Sulfuric															

	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client GES (DEC)
 Project Falconer Street
 MCP/RCP Required no
 Deliverable Package Requirement NY GL-B
 Location 300 Falconer St, Frewsburg, NY
 PWSID# (When Applicable) n/a
 Arrival Method:
 Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐
 Received By / Date / Time Men 8/10/23 1355
 Back-Sheet By / Date / Time Men 8/10/23 1455
 Temperature Method Gun # 5
 Temp < 6° C Actual Temperature 26
 Rush Samples: Yes / No Notify No
 Short Hold: Yes / No Notify No

Notes regarding Samples/COC outside of SOP:

* COC not relinquished by Alpha courier

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

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

Additional Container Notes

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

October 5, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23I1605

Enclosed are results of analyses for samples as received by the laboratory on September 14, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 10/5/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 2311605

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

PROJECT LOCATION: 300 Falconer Street, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Outfall 001	2311605-01	Ground Water		EPA 1664B EPA 200.7 SM21-23 2540D SW-846 8260D	
Trip Blank	2311605-02	Trip Blank Water		SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

SW-846 8260D**Qualifications:**

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**

B351969-BS1, B351969-BSD1, S093557-CCV1

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:**Bromomethane**

23I1605-01[Outfall 001], 23I1605-02[Trip Blank], B351969-BLK1, B351969-BS1, B351969-BSD1, S093557-CCV1

Chloromethane

23I1605-01[Outfall 001], 23I1605-02[Trip Blank], B351969-BLK1, B351969-BS1, B351969-BSD1, S093557-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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

23I1605-01[Outfall 001], 23I1605-02[Trip Blank], B351969-BLK1, B351969-BS1, B351969-BSD1, S093557-CCV1

Chloromethane

23I1605-01[Outfall 001], 23I1605-02[Trip Blank], B351969-BLK1, B351969-BS1, B351969-BSD1, S093557-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

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

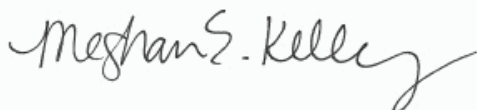
23I1605-01[Outfall 001], B351969-BS1, B351969-BSD1, S093557-CCV1

Carbon Disulfide

B351969-BS1, B351969-BSD1, S093557-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

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 2311605

Date Received: 9/14/2023

Field Sample #: Outfall 001

Sampled: 9/12/2023 10:00

Sample ID: 2311605-01

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	3.3	50	2.0	µg/L	1	V-35, J	SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Bromomethane	ND	2.0	1.3	µg/L	1	V-05, V-34	SW-846 8260D	9/14/23	9/18/23 15:35	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Chloromethane	ND	2.0	0.50	µg/L	1	V-05, V-34	SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23I1605

Date Received: 9/14/2023

Field Sample #: Outfall 001

Sampled: 9/12/2023 10:00

Sample ID: 23I1605-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/14/23	9/18/23 15:35	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	116	70-130	
Toluene-d8	106	70-130	
4-Bromofluorobenzene	103	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23I1605

Date Received: 9/14/2023

Field Sample #: Outfall 001

Sampled: 9/12/2023 10:00

Sample ID: 23I1605-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.031	mg/L	1		EPA 200.7	10/3/23	10/5/23 8:10	ATP
Iron	0.41	0.050	0.034	mg/L	1		EPA 200.7	10/3/23	10/5/23 8:10	ATP
Zinc	0.0067	0.010	0.0047	mg/L	1	J	EPA 200.7	10/3/23	10/5/23 8:10	ATP

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23I1605

Date Received: 9/14/2023

Field Sample #: Outfall 001

Sampled: 9/12/2023 10:00

Sample ID: 23I1605-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	0.80	1.0	0.58	mg/L	1	J	SM21-23 2540D	9/15/23	9/15/23 13:53	LL
Oil & Grease (HEM)	ND	1.4	0.60	mg/L	1		EPA 1664B	9/29/23	9/29/23 12:15	LL

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 2311605

Date Received: 9/14/2023

Field Sample #: Trip Blank

Sampled: 9/12/2023 00:00

Sample ID: 2311605-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Bromomethane	ND	2.0	1.3	µg/L	1	V-05, V-34	SW-846 8260D	9/14/23	9/18/23 12:50	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Chloromethane	ND	2.0	0.50	µg/L	1	V-05, V-34	SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH

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Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23I1605

Date Received: 9/14/2023

Field Sample #: Trip Blank

Sampled: 9/12/2023 00:00

Sample ID: 23I1605-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/14/23	9/18/23 12:50	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	115	70-130	
Toluene-d8	105	70-130	
4-Bromofluorobenzene	101	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
23I1605-01 [Outfall 001]	B353429	1000	09/29/23

Prep Method:EPA 200.7 **Analytical Method:**EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23I1605-01 [Outfall 001]	B353774	50.0	50.0	10/03/23

SM21-23 2540D

Lab Number [Field ID]	Batch	Initial [mL]	Date
23I1605-01 [Outfall 001]	B352031	500	09/15/23

Prep Method:SW-846 5030B **Analytical Method:**SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23I1605-01 [Outfall 001]	B351969	5	5.00	09/14/23
23I1605-02 [Trip Blank]	B351969	5	5.00	09/14/23

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B351969 - SW-846 5030B										
Blank (B351969-BLK1)				Prepared: 09/14/23 Analyzed: 09/18/23						
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							V-05, V-34
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							V-05, V-34
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 B351969 - SW-846 5030B										
Blank (B351969-BLK1)										
Prepared: 09/14/23 Analyzed: 09/18/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	28.6		µg/L	25.0		114	70-130			
Surrogate: Toluene-d8	26.3		µg/L	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	25.3		µg/L	25.0		101	70-130			
LCS (B351969-BS1)										
Prepared: 09/14/23 Analyzed: 09/18/23										
Acetone	103	50	µg/L	100		103	70-160			V-35 †
Benzene	10.3	1.0	µg/L	10.0		103	70-130			
Bromochloromethane	11.4	1.0	µg/L	10.0		114	70-130			
Bromodichloromethane	10.2	0.50	µg/L	10.0		102	70-130			
Bromoform	9.91	1.0	µg/L	10.0		99.1	70-130			
Bromomethane	8.31	2.0	µg/L	10.0		83.1	40-160			V-05, V-34 †
2-Butanone (MEK)	119	20	µg/L	100		119	40-160			†
Carbon Disulfide	99.3	5.0	µg/L	100		99.3	70-130			V-35
Carbon Tetrachloride	11.8	5.0	µg/L	10.0		118	70-130			
Chlorobenzene	9.96	1.0	µg/L	10.0		99.6	70-130			
Chlorodibromomethane	10.6	0.50	µg/L	10.0		106	70-130			
Chloroethane	10.1	2.0	µg/L	10.0		101	70-130			
Chloroform	10.0	2.0	µg/L	10.0		100	70-130			
Chloromethane	6.89	2.0	µg/L	10.0		68.9	40-160			V-05, V-34 †
Cyclohexane	10.6	5.0	µg/L	10.0		106	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	11.1	5.0	µg/L	10.0		111	70-130			
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130			
1,2-Dichlorobenzene	9.70	1.0	µg/L	10.0		97.0	70-130			
1,3-Dichlorobenzene	9.88	1.0	µg/L	10.0		98.8	70-130			
1,4-Dichlorobenzene	9.47	1.0	µg/L	10.0		94.7	70-130			
Dichlorodifluoromethane (Freon 12)	9.49	2.0	µg/L	10.0		94.9	40-160			†
1,1-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130			
1,2-Dichloroethane	9.28	1.0	µg/L	10.0		92.8	70-130			
1,1-Dichloroethylene	8.86	1.0	µg/L	10.0		88.6	70-130			
cis-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
trans-1,2-Dichloroethylene	9.33	1.0	µg/L	10.0		93.3	70-130			
1,2-Dichloropropane	10.0	1.0	µg/L	10.0		100	70-130			
cis-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130			
trans-1,3-Dichloropropene	11.0	0.50	µg/L	10.0		110	70-130			
1,4-Dioxane	118	50	µg/L	100		118	40-130			†
Ethylbenzene	9.63	1.0	µg/L	10.0		96.3	70-130			
2-Hexanone (MBK)	115	10	µg/L	100		115	70-160			†
Isopropylbenzene (Cumene)	9.92	1.0	µg/L	10.0		99.2	70-130			
Methyl Acetate	13.1	1.0	µg/L	10.0		131	* 70-130			L-02
Methyl tert-Butyl Ether (MTBE)	11.8	1.0	µg/L	10.0		118	70-130			
Methyl Cyclohexane	10.2	1.0	µg/L	10.0		102	70-130			
Methylene Chloride	8.90	5.0	µg/L	10.0		89.0	70-130			
4-Methyl-2-pentanone (MIBK)	113	10	µg/L	100		113	70-160			†
Styrene	10.1	1.0	µg/L	10.0		101	70-130			
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103	70-130			
Tetrachloroethylene	9.34	1.0	µg/L	10.0		93.4	70-130			
Toluene	9.55	1.0	µg/L	10.0		95.5	70-130			
1,2,3-Trichlorobenzene	9.58	5.0	µg/L	10.0		95.8	70-130			
1,2,4-Trichlorobenzene	9.34	1.0	µg/L	10.0		93.4	70-130			
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	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 B351969 - SW-846 5030B										
LCS (B351969-BS1)										
Prepared: 09/14/23 Analyzed: 09/18/23										
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
Trichloroethylene	9.13	1.0	µg/L	10.0		91.3	70-130			
Trichlorofluoromethane (Freon 11)	9.53	2.0	µg/L	10.0		95.3	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.98	1.0	µg/L	10.0		99.8	70-130			
Vinyl Chloride	8.77	2.0	µg/L	10.0		87.7	40-160			†
m+p Xylene	19.6	2.0	µg/L	20.0		98.1	70-130			
o-Xylene	10.1	1.0	µg/L	10.0		101	70-130			
Xylenes (total)	29.7	1.0	µg/L	30.0		99.1	0-200			
Surrogate: 1,2-Dichloroethane-d4	27.8		µg/L	25.0		111	70-130			
Surrogate: Toluene-d8	26.0		µg/L	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	25.7		µg/L	25.0		103	70-130			
LCS Dup (B351969-BSD1)										
Prepared: 09/14/23 Analyzed: 09/18/23										
Acetone	103	50	µg/L	100		103	70-160	0.524	25	V-35 †
Benzene	10.2	1.0	µg/L	10.0		102	70-130	0.293	25	
Bromochloromethane	11.4	1.0	µg/L	10.0		114	70-130	0.526	25	
Bromodichloromethane	10.5	0.50	µg/L	10.0		105	70-130	2.90	25	
Bromoform	10.0	1.0	µg/L	10.0		100	70-130	1.20	25	
Bromomethane	9.39	2.0	µg/L	10.0		93.9	40-160	12.2	25	V-05, V-34 †
2-Butanone (MEK)	115	20	µg/L	100		115	40-160	3.95	25	†
Carbon Disulfide	99.6	5.0	µg/L	100		99.6	70-130	0.312	25	V-35
Carbon Tetrachloride	11.7	5.0	µg/L	10.0		117	70-130	0.341	25	
Chlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	0.700	25	
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107	70-130	0.842	25	
Chloroethane	10.2	2.0	µg/L	10.0		102	70-130	1.28	25	
Chloroform	9.90	2.0	µg/L	10.0		99.0	70-130	1.40	25	
Chloromethane	7.46	2.0	µg/L	10.0		74.6	40-160	7.94	25	V-05, V-34 †
Cyclohexane	10.6	5.0	µg/L	10.0		106	70-130	0.00	25	
1,2-Dibromo-3-chloropropane (DBCP)	11.0	5.0	µg/L	10.0		110	70-130	0.998	25	
1,2-Dibromoethane (EDB)	10.5	0.50	µg/L	10.0		105	70-130	1.53	25	
1,2-Dichlorobenzene	9.66	1.0	µg/L	10.0		96.6	70-130	0.413	25	
1,3-Dichlorobenzene	9.91	1.0	µg/L	10.0		99.1	70-130	0.303	25	
1,4-Dichlorobenzene	9.75	1.0	µg/L	10.0		97.5	70-130	2.91	25	
Dichlorodifluoromethane (Freon 12)	9.78	2.0	µg/L	10.0		97.8	40-160	3.01	25	†
1,1-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130	1.08	25	
1,2-Dichloroethane	9.43	1.0	µg/L	10.0		94.3	70-130	1.60	25	
1,1-Dichloroethylene	8.93	1.0	µg/L	10.0		89.3	70-130	0.787	25	
cis-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	0.395	25	
trans-1,2-Dichloroethylene	9.35	1.0	µg/L	10.0		93.5	70-130	0.214	25	
1,2-Dichloropropane	10.1	1.0	µg/L	10.0		101	70-130	0.797	25	
cis-1,3-Dichloropropene	11.1	0.50	µg/L	10.0		111	70-130	2.47	25	
trans-1,3-Dichloropropene	11.2	0.50	µg/L	10.0		112	70-130	2.61	25	
1,4-Dioxane	120	50	µg/L	100		120	40-130	1.73	50	† ‡
Ethylbenzene	10.0	1.0	µg/L	10.0		100	70-130	3.87	25	
2-Hexanone (MBK)	115	10	µg/L	100		115	70-160	0.0693	25	†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103	70-130	3.37	25	
Methyl Acetate	13.8	1.0	µg/L	10.0		138	* 70-130	5.21	25	L-02
Methyl tert-Butyl Ether (MTBE)	11.9	1.0	µg/L	10.0		119	70-130	0.675	25	
Methyl Cyclohexane	9.99	1.0	µg/L	10.0		99.9	70-130	1.69	25	
Methylene Chloride	9.07	5.0	µg/L	10.0		90.7	70-130	1.89	25	
4-Methyl-2-pentanone (MIBK)	114	10	µg/L	100		114	70-160	1.58	25	†
Styrene	10.5	1.0	µg/L	10.0		105	70-130	3.89	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 B351969 - SW-846 5030B										
LCS Dup (B351969-BSD1)										
Prepared: 09/14/23 Analyzed: 09/18/23										
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108	70-130	4.55	25	
Tetrachloroethylene	9.51	1.0	µg/L	10.0		95.1	70-130	1.80	25	
Toluene	9.81	1.0	µg/L	10.0		98.1	70-130	2.69	25	
1,2,3-Trichlorobenzene	9.54	5.0	µg/L	10.0		95.4	70-130	0.418	25	
1,2,4-Trichlorobenzene	9.61	1.0	µg/L	10.0		96.1	70-130	2.85	25	
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130	0.00	25	
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	2.11	25	
Trichloroethylene	9.49	1.0	µg/L	10.0		94.9	70-130	3.87	25	
Trichlorofluoromethane (Freon 11)	9.52	2.0	µg/L	10.0		95.2	70-130	0.105	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.97	1.0	µg/L	10.0		99.7	70-130	0.100	25	
Vinyl Chloride	8.79	2.0	µg/L	10.0		87.9	40-160	0.228	25	†
m+p Xylene	20.1	2.0	µg/L	20.0		100	70-130	2.27	25	
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130	1.57	25	
Xylenes (total)	30.4	1.0	µg/L	30.0		101	0-200	2.03		
Surrogate: 1,2-Dichloroethane-d4	28.1		µg/L	25.0		112	70-130			
Surrogate: Toluene-d8	26.2		µg/L	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	26.2		µg/L	25.0		105	70-130			

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

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B353774 - EPA 200.7										
Blank (B353774-BLK1)				Prepared: 10/03/23 Analyzed: 10/04/23						
Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							
LCS (B353774-BS1)				Prepared: 10/03/23 Analyzed: 10/04/23						
Aluminum	0.535	0.050	mg/L	0.500		107	85-115			
Iron	4.13	0.050	mg/L	4.00		103	85-115			
Zinc	1.03	0.010	mg/L	1.00		103	85-115			
LCS Dup (B353774-BSD1)				Prepared: 10/03/23 Analyzed: 10/04/23						
Aluminum	0.516	0.050	mg/L	0.500		103	85-115	3.61	20	
Iron	4.06	0.050	mg/L	4.00		101	85-115	1.80	20	
Zinc	1.03	0.010	mg/L	1.00		103	85-115	0.898	20	
Duplicate (B353774-DUP1)				Source: 2311605-01		Prepared: 10/03/23 Analyzed: 10/05/23				
Aluminum	ND	0.050	mg/L	ND				NC	20	
Iron	0.404	0.050	mg/L	0.405				0.416	20	
Zinc	0.00702	0.010	mg/L	0.00666				5.18	20	J
Matrix Spike (B353774-MS1)				Source: 2311605-01		Prepared: 10/03/23 Analyzed: 10/05/23				
Aluminum	0.525	0.050	mg/L	0.500	ND	105	70-130			
Iron	4.33	0.050	mg/L	4.00	0.405	98.1	70-130			
Zinc	1.02	0.010	mg/L	1.00	0.00666	102	70-130			

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

QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

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

Batch B352031 - SM21-23 2540D
Blank (B352031-BLK1)

Prepared & Analyzed: 09/15/23

Total Suspended Solids ND 5.0 mg/L

LCS (B352031-BS1)

Prepared & Analyzed: 09/15/23

Total Suspended Solids 159 5.0 mg/L 200 79.5 55.1-124

Batch B353429 - EPA 1664B
Blank (B353429-BLK1)

Prepared & Analyzed: 09/29/23

Oil & Grease (HEM) ND 1.4 mg/L

Blank (B353429-BLK2)

Prepared & Analyzed: 09/29/23

Oil & Grease (HEM) ND 70 mg/L

LCS (B353429-BS1)

Prepared & Analyzed: 09/29/23

Oil & Grease (HEM) 19 1.4 mg/L 20.0 93.0 78-114

LCS (B353429-BS2)

Prepared & Analyzed: 09/29/23

Oil & Grease (HEM) 800 70 mg/L 1000 80.5 78-114

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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-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.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SM21-23 2540D in Water</i>	
Total Suspended Solids	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
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
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
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

CHAIN OF CUSTODY *HM*

**Client: New York State Dept. of
Environmental Conservation**

PAGE | OF

DEC Site #: 907016

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

 Standard 14 Days

1 day RUSH

☐ Other

Laboratory Information

Lab: Pace Analytical Services

Address: 39 Spruce St, East Longmeadow, MA 01028

Phone: 518-608-1036

Lab PM: Michael Buttrick

Lab PM Email:

Data Deliverable Information

☐ Commercial 'A' (Level 1) = Results Only

Commercial "B" (Level 2) = Results + QC Summary

☐ FULLT1 (Level 3 & 4)

☐ NJ Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

☐ *NJ Data of Known Quality Protocol Reporting*☐ NYASP Category A☒ NYASP Category B

State Forms

☐ EDD Format

 Other NYSDEC EDD FOR NYSDEC EQUIS

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By: Sampler 1 <i>[Signature]</i>	Date / Time: 1 8/12 1030	Received By: 1 <i>[Signature]</i> (AAL)	9
Relinquished By: 2 <i>[Signature]</i> (AAL)	Date / Time: 2 9/13/23 14:45	Received By: 2 <i>[Signature]</i> 3.1 91	
Relinquished By:	Date / Time:	Received By:	3
Study Seal Number:	Intact	Preserved where applicable	

	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client 6ES

Project MSDEC/Fairbury

MCP/RCP Required N/A

Deliverable Package Requirement CAT B

Location 300 Falconer Street, Fairbury, NY

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time LA 9/14/23 7:11

Back-Sheet By / Date / Time LA 9/14/23 8:00

Temperature Method gsm # 5

Temp 5° C Actual Temperature 3.1

Rush Samples: Yes / No Notify

Short Hold: Yes / No Notify

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

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

Notes regarding Samples/COC outside of SOP:

Additional Container Notes

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

Effective Date: 07/13/2023

[illegible]

Data Package



ANALYTICAL. LIFE. SERVICE.

October 25, 2023

Thomas Palmer
NYDEC_GES - Pawling, NY
63 East Main Street, Unit 3
Pawling, NY 12564

Project Location: 300 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 23J1931

Enclosed are results of analyses for samples as received by the laboratory on October 13, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Pawling, NY
63 East Main Street, Unit 3
Pawling, NY 12564
ATTN: Thomas Palmer

REPORT DATE: 10/25/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23J1931

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

PROJECT LOCATION: 300 Falconer Street, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Outfall 001	23J1931-01	Ground Water		EPA 1664B EPA 200.7 SM21-23 2540D SW-846 8260D	
Trip Blank	23J1931-02	Trip Blank Water		SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

EPA 200.7**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:**Aluminum**

B355974-BS1, B355974-BSD1

R-04

Duplicate relative percent difference (RPD) is outside of control limits. RPD is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).

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

23J1931-01[Outfall 001], B355974-DUP1

SM21-23 2540D**Qualifications:**

Z-01

Test results of sample did not achieve the method required minimum yield of 2.5 mg of dried residue and for which less than 1 L of sample was filtered.

Analyte & Samples(s) Qualified:**Total Suspended Solids**

23J1931-01[Outfall 001]

SW-846 8260D**Qualifications:**

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:**Bromoform**

23J1931-01[Outfall 001], 23J1931-02[Trip Blank], B355104-BLK1, B355104-BS1, B355104-BSD1, S094923-CCV1

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

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



Lisa A. Worthington

Technical Representative

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23J1931

Date Received: 10/13/2023

Field Sample #: Outfall 001

Sampled: 10/12/2023 10:00

Sample ID: 23J1931-01

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	10/16/23	10/17/23 3:46	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23J1931

Date Received: 10/13/2023

Field Sample #: Outfall 001

Sampled: 10/12/2023 10:00

Sample ID: 23J1931-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/16/23	10/17/23 3:46	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	100	70-130	
Toluene-d8	97.2	70-130	
4-Bromofluorobenzene	86.7	70-130	

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23J1931

Date Received: 10/13/2023

Field Sample #: Outfall 001

Sampled: 10/12/2023 10:00

Sample ID: 23J1931-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.031	mg/L	1		EPA 200.7	10/23/23	10/25/23 14:51	ATP
Iron	0.32	0.050	0.034	mg/L	1		EPA 200.7	10/23/23	10/25/23 14:51	ATP
Zinc	0.0098	0.010	0.0047	mg/L	1	R-04, J	EPA 200.7	10/23/23	10/25/23 14:51	ATP

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23J1931

Date Received: 10/13/2023

Field Sample #: Outfall 001

Sampled: 10/12/2023 10:00

Sample ID: 23J1931-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	16	9.0	mg/L	1	Z-01	SM21-23 2540D	10/16/23	10/16/23 14:39	LL
Oil & Grease (HEM)	ND	1.5	0.63	mg/L	1		EPA 1664B	10/18/23	10/18/23 11:57	LL

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23J1931

Date Received: 10/13/2023

Field Sample #: Trip Blank

Sampled: 10/12/2023 00:00

Sample ID: 23J1931-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Toluene	0.43	1.0	0.22	µg/L	1	J	SW-846 8260D	10/16/23	10/17/23 0:13	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF

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

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 23J1931

Date Received: 10/13/2023

Field Sample #: Trip Blank

Sampled: 10/12/2023 00:00

Sample ID: 23J1931-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/16/23	10/17/23 0:13	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.8	70-130	
Toluene-d8	100	70-130	
4-Bromofluorobenzene	91.0	70-130	

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Sample Extraction Data**EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
23J1931-01 [Outfall 001]	B355417	950	10/18/23

Prep Method:EPA 200.7 **Analytical Method:**EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23J1931-01 [Outfall 001]	B355974	25.0	25.0	10/23/23

SM21-23 2540D

Lab Number [Field ID]	Batch	Initial [mL]	Date
23J1931-01 [Outfall 001]	B355130	320	10/16/23

Prep Method:SW-846 5030B **Analytical Method:**SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23J1931-01 [Outfall 001]	B355104	5	5.00	10/16/23
23J1931-02 [Trip Blank]	B355104	5	5.00	10/16/23

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

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

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

Batch B355104 - SW-846 5030B

Blank (B355104-BLK1)

Prepared: 10/14/23 Analyzed: 10/16/23

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							V-05
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 B355104 - SW-846 5030B										
Blank (B355104-BLK1)										
Prepared: 10/14/23 Analyzed: 10/16/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	25.0		µg/L	25.0		99.8	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.0		99.9	70-130			
Surrogate: 4-Bromofluorobenzene	23.0		µg/L	25.0		92.1	70-130			
LCS (B355104-BS1)										
Prepared: 10/14/23 Analyzed: 10/16/23										
Acetone	82.8	50	µg/L	100		82.8	70-160			†
Benzene	11.5	1.0	µg/L	10.0		115	70-130			
Bromochloromethane	11.3	1.0	µg/L	10.0		113	70-130			
Bromodichloromethane	9.87	0.50	µg/L	10.0		98.7	70-130			
Bromoform	7.60	1.0	µg/L	10.0		76.0	70-130			V-05
Bromomethane	12.7	2.0	µg/L	10.0		127	40-160			†
2-Butanone (MEK)	95.9	20	µg/L	100		95.9	40-160			†
Carbon Disulfide	105	5.0	µg/L	100		105	70-130			
Carbon Tetrachloride	9.87	5.0	µg/L	10.0		98.7	70-130			
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Chlorodibromomethane	8.99	0.50	µg/L	10.0		89.9	70-130			
Chloroethane	10.3	2.0	µg/L	10.0		103	70-130			
Chloroform	10.7	2.0	µg/L	10.0		107	70-130			
Chloromethane	9.86	2.0	µg/L	10.0		98.6	40-160			†
Cyclohexane	10.6	5.0	µg/L	10.0		106	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.49	5.0	µg/L	10.0		84.9	70-130			
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.0		100	70-130			
1,2-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
1,4-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130			
Dichlorodifluoromethane (Freon 12)	10.1	2.0	µg/L	10.0		101	40-160			†
1,1-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,2-Dichloroethane	9.61	1.0	µg/L	10.0		96.1	70-130			
1,1-Dichloroethylene	9.77	1.0	µg/L	10.0		97.7	70-130			
cis-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
trans-1,2-Dichloroethylene	9.91	1.0	µg/L	10.0		99.1	70-130			
1,2-Dichloropropane	11.1	1.0	µg/L	10.0		111	70-130			
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130			
trans-1,3-Dichloropropene	9.76	0.50	µg/L	10.0		97.6	70-130			
1,4-Dioxane	82.9	50	µg/L	100		82.9	40-130			†
Ethylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
2-Hexanone (MBK)	81.3	10	µg/L	100		81.3	70-160			†
Isopropylbenzene (Cumene)	9.79	1.0	µg/L	10.0		97.9	70-130			
Methyl Acetate	11.6	1.0	µg/L	10.0		116	70-130			
Methyl tert-Butyl Ether (MTBE)	9.70	1.0	µg/L	10.0		97.0	70-130			
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130			
Methylene Chloride	9.86	5.0	µg/L	10.0		98.6	70-130			
4-Methyl-2-pentanone (MIBK)	84.5	10	µg/L	100		84.5	70-160			†
Styrene	10.1	1.0	µg/L	10.0		101	70-130			
1,1,2,2-Tetrachloroethane	9.35	0.50	µg/L	10.0		93.5	70-130			
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Toluene	10.6	1.0	µg/L	10.0		106	70-130			
1,2,3-Trichlorobenzene	9.40	5.0	µg/L	10.0		94.0	70-130			
1,2,4-Trichlorobenzene	8.73	1.0	µg/L	10.0		87.3	70-130			
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130			

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

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

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

Batch B355104 - SW-846 5030B

LCS (B355104-BS1)

Prepared: 10/14/23 Analyzed: 10/16/23

1,1,2-Trichloroethane	9.86	1.0	µg/L	10.0		98.6	70-130			
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
Trichlorofluoromethane (Freon 11)	9.95	2.0	µg/L	10.0		99.5	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	1.0	µg/L	10.0		100	70-130			
Vinyl Chloride	11.8	2.0	µg/L	10.0		118	40-160			†
m+p Xylene	20.7	2.0	µg/L	20.0		104	70-130			
o-Xylene	9.88	1.0	µg/L	10.0		98.8	70-130			
Xylenes (total)	30.6	1.0	µg/L	30.0		102	0-200			
Surrogate: 1,2-Dichloroethane-d4	24.8		µg/L	25.0		99.1	70-130			
Surrogate: Toluene-d8	25.6		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	24.4		µg/L	25.0		97.7	70-130			

LCS Dup (B355104-BSD1)

Prepared: 10/14/23 Analyzed: 10/16/23

Acetone	83.2	50	µg/L	100		83.2	70-160	0.542	25	†
Benzene	11.3	1.0	µg/L	10.0		113	70-130	1.66	25	
Bromochloromethane	11.2	1.0	µg/L	10.0		112	70-130	0.889	25	
Bromodichloromethane	9.67	0.50	µg/L	10.0		96.7	70-130	2.05	25	
Bromoform	7.48	1.0	µg/L	10.0		74.8	70-130	1.59	25	V-05
Bromomethane	12.7	2.0	µg/L	10.0		127	40-160	0.315	25	†
2-Butanone (MEK)	96.2	20	µg/L	100		96.2	40-160	0.281	25	†
Carbon Disulfide	103	5.0	µg/L	100		103	70-130	1.76	25	
Carbon Tetrachloride	9.57	5.0	µg/L	10.0		95.7	70-130	3.09	25	
Chlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	2.40	25	
Chlorodibromomethane	8.97	0.50	µg/L	10.0		89.7	70-130	0.223	25	
Chloroethane	10.2	2.0	µg/L	10.0		102	70-130	1.76	25	
Chloroform	10.3	2.0	µg/L	10.0		103	70-130	4.00	25	
Chloromethane	9.94	2.0	µg/L	10.0		99.4	40-160	0.808	25	†
Cyclohexane	10.3	5.0	µg/L	10.0		103	70-130	2.96	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.21	5.0	µg/L	10.0		82.1	70-130	3.35	25	
1,2-Dibromoethane (EDB)	9.80	0.50	µg/L	10.0		98.0	70-130	2.12	25	
1,2-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	4.09	25	
1,3-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	5.42	25	
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	6.41	25	
Dichlorodifluoromethane (Freon 12)	9.96	2.0	µg/L	10.0		99.6	40-160	1.49	25	†
1,1-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130	3.30	25	
1,2-Dichloroethane	9.38	1.0	µg/L	10.0		93.8	70-130	2.42	25	
1,1-Dichloroethylene	9.65	1.0	µg/L	10.0		96.5	70-130	1.24	25	
cis-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	2.54	25	
trans-1,2-Dichloroethylene	9.76	1.0	µg/L	10.0		97.6	70-130	1.53	25	
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130	4.80	25	
cis-1,3-Dichloropropene	10.0	0.50	µg/L	10.0		100	70-130	1.19	25	
trans-1,3-Dichloropropene	9.56	0.50	µg/L	10.0		95.6	70-130	2.07	25	
1,4-Dioxane	81.4	50	µg/L	100		81.4	40-130	1.80	50	† ‡
Ethylbenzene	10.0	1.0	µg/L	10.0		100	70-130	2.96	25	
2-Hexanone (MBK)	81.8	10	µg/L	100		81.8	70-160	0.613	25	†
Isopropylbenzene (Cumene)	9.42	1.0	µg/L	10.0		94.2	70-130	3.85	25	
Methyl Acetate	11.9	1.0	µg/L	10.0		119	70-130	1.87	25	
Methyl tert-Butyl Ether (MTBE)	9.70	1.0	µg/L	10.0		97.0	70-130	0.00	25	
Methyl Cyclohexane	10.1	1.0	µg/L	10.0		101	70-130	5.32	25	
Methylene Chloride	9.80	5.0	µg/L	10.0		98.0	70-130	0.610	25	
4-Methyl-2-pentanone (MIBK)	84.2	10	µg/L	100		84.2	70-160	0.356	25	†
Styrene	9.64	1.0	µg/L	10.0		96.4	70-130	4.46	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 B355104 - SW-846 5030B										
LCS Dup (B355104-BSD1)					Prepared: 10/14/23 Analyzed: 10/16/23					
1,1,2,2-Tetrachloroethane	9.16	0.50	µg/L	10.0		91.6	70-130	2.05	25	
Tetrachloroethylene	9.83	1.0	µg/L	10.0		98.3	70-130	4.57	25	
Toluene	10.3	1.0	µg/L	10.0		103	70-130	3.45	25	
1,2,3-Trichlorobenzene	8.85	5.0	µg/L	10.0		88.5	70-130	6.03	25	
1,2,4-Trichlorobenzene	8.48	1.0	µg/L	10.0		84.8	70-130	2.91	25	
1,1,1-Trichloroethane	9.86	1.0	µg/L	10.0		98.6	70-130	2.90	25	
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130	2.50	25	
Trichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	3.60	25	
Trichlorofluoromethane (Freon 11)	9.79	2.0	µg/L	10.0		97.9	70-130	1.62	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.57	1.0	µg/L	10.0		95.7	70-130	4.89	25	
Vinyl Chloride	11.3	2.0	µg/L	10.0		113	40-160	3.55	25	†
m+p Xylene	20.0	2.0	µg/L	20.0		100	70-130	3.29	25	
o-Xylene	9.63	1.0	µg/L	10.0		96.3	70-130	2.56	25	
Xylenes (total)	29.7	1.0	µg/L	30.0		98.9	0-200	3.05		
Surrogate: 1,2-Dichloroethane-d4	24.8		µg/L	25.0		99.4	70-130			
Surrogate: Toluene-d8	25.7		µg/L	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	24.6		µg/L	25.0		98.6	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B355974 - EPA 200.7										
Blank (B355974-BLK1)										
					Prepared: 10/23/23 Analyzed: 10/25/23					
Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							
LCS (B355974-BS1)										
					Prepared: 10/23/23 Analyzed: 10/25/23					
Aluminum	0.554	0.050	mg/L	0.500		111	85-115			L-07
Iron	4.09	0.050	mg/L	4.00		102	85-115			
Zinc	0.993	0.010	mg/L	1.00		99.3	85-115			
LCS Dup (B355974-BSD1)										
					Prepared: 10/23/23 Analyzed: 10/25/23					
Aluminum	0.586	0.050	mg/L	0.500		117	* 85-115	5.59	20	L-07
Iron	4.11	0.050	mg/L	4.00		103	85-115	0.373	20	
Zinc	1.01	0.010	mg/L	1.00		101	85-115	1.74	20	
Duplicate (B355974-DUP1)										
					Prepared: 10/23/23 Analyzed: 10/25/23					
					Source: 23J1931-01					
Aluminum	0.0320	0.050	mg/L		ND			NC	20	J
Iron	0.323	0.050	mg/L		0.317			1.74	20	
Zinc	0.00602	0.010	mg/L		0.00977			47.4	* 20	R-04, J
Matrix Spike (B355974-MS1)										
					Prepared: 10/23/23 Analyzed: 10/25/23					
					Source: 23J1931-01					
Aluminum	0.572	0.050	mg/L	0.500	ND	114	70-130			
Iron	4.52	0.050	mg/L	4.00	0.317	105	70-130			
Zinc	1.04	0.010	mg/L	1.00	0.00977	103	70-130			

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B355130 - SM21-23 2540D										
Blank (B355130-BLK1)				Prepared & Analyzed: 10/16/23						
Total Suspended Solids	ND	5.0	mg/L							
LCS (B355130-BS1)				Prepared & Analyzed: 10/16/23						
Total Suspended Solids	203	50	mg/L	200		102	55.1-124			
Batch B355417 - EPA 1664B										
Blank (B355417-BLK1)				Prepared & Analyzed: 10/18/23						
Oil & Grease (HEM)	ND	1.4	mg/L							
Blank (B355417-BLK2)				Prepared & Analyzed: 10/18/23						
Oil & Grease (HEM)	ND	14	mg/L							
LCS (B355417-BS1)				Prepared & Analyzed: 10/18/23						
Oil & Grease (HEM)	19	1.4	mg/L	20.0		95.5	78-114			
LCS (B355417-BS2)				Prepared & Analyzed: 10/18/23						
Oil & Grease (HEM)	160	14	mg/L	200		82.5	78-114			
Duplicate (B355417-DUP1)				Source: 23J1931-01			Prepared & Analyzed: 10/18/23			
Oil & Grease (HEM)	ND	1.5	mg/L		ND			NC	18	
Matrix Spike (B355417-MS1)				Source: 23J1931-01			Prepared & Analyzed: 10/18/23			
Oil & Grease (HEM)	200	14	mg/L	200	ND	98.0	78-114			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**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.
R-04	Duplicate relative percent difference (RPD) is outside of control limits. RPD is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
Z-01	Test results of sample did not achieve the method required minimum yield of 2.5 mg of dried residue and for which less than 1L of sample was filtered.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SM21-23 2540D in Water</i>	
Total Suspended Solids	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
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

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
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
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
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

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	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client GES
 Project Frewsburg
 MCP/RCP Required NO
 Deliverable Package Requirement CAT B
 Location NY
 PWSID# (When Applicable) NA
 Arrival Method:
 Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐
 Received By / Date / Time AAM 10/13/23 943
 Back-Sheet By / Date / Time el 10/13/23 1737
 Temperature Method gun # 5
 Temp < 6° C Actual Temperature 4.5
 Rush Samples: Yes / No 8 Notify _____
 Short Hold: Yes / No 8 Notify _____

Notes regarding Samples/COC outside of SOP:

1 L unpreserved plastic recieved
open, sample leaked out and
possibly contaminated

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

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

Additional Container Notes

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

	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

	Sample	Soils Jars				Ambers				Plastics								VOA Vials				Other / Fill in			
		(Circle Amb/Clear)																							
1		16oz Amb/Clear																							
2		8oz Amb/Clear																							
3		4oz Amb/Clear																							
4		2oz Amb/Clear																							
5		Unpreserved																							
6		HCL																							
7		Sulfuric																							
8		Sulfuric																							
9		Phosphoric																							
10		HCl																							
11		Unpreserved																							
12		Unpreserved																							
13		Sulfuric																							
14		Unpreserved																							
15		Unpreserved																							
16		Unpreserved																							
17		Unpreserved																							
18		Unpreserved																							
19		Unpreserved																							
20		Unpreserved																							



Appendix C – Annual System Inspection Form



SYSTEM INSPECTION FORM

Client Name:	INSD2C		
Site Name:	Frewsburg		
Address:	Falconer St.		
GES PM:	+Drew	GES Engr:	G. Bak
Inspected By:	TP/GB/MR	Date:	8/22/23
Inspection:	Routine Annual, Transition, Startup, or Recommission (circle one)		

The following checklist is to be completed for all OM&M system sites if the response to any item is "No," explain reasons in the comment section. For items requiring additional explanation, use comments section to discuss findings and/or provide additional information needed to perform corrective measures. For additional comment space, use back of page. A loss or near loss report may be required based on the findings of the inspection.

Equipment/Information needed to complete the inspection

- ☒ Previously completed system inspection form
- ☒ Tools to open control panel and other equipment
- ☒ Tools to open manholes and well vaults
- ☐ Digital Camera to document conditions
- ☐ Multimeter/ampere clamp to check equipment amperage and voltages
- ☐ Knowledge of the IBC, NEC, fire codes, pressure vessel codes and client specific requirements

Site Health & Safety / General Site Conditions

1. Is current Health & Safety Plan (HASP) in a conspicuous place?	☒ Yes	☐ No	
2. Are Safety Data Sheets (SDS) in HASP?	☒ Yes	☐ No	
3. Is GES' Emergency Sign Placard posted in a conspicuous place?	☐ Yes	☐ No	
4. Is the site and enclosure clear of trash and debris? *	☐ Yes	☐ No	
5. Are walkways clear of trip hazards?	☒ Yes	☐ No	
6. Are vaults/manholes/trenches in good conditions and locked?	☐ Yes	☐ No	
7. Is vegetation (trees, vines, weeds) present that may pose trip or overhead hazards, including branches that could fall onto equipment, enclosures, or overhead utilities?	☐ Yes	☒ No	
8. Is the log book present, protected from the elements and include all up-to-date permits, log sheets, checklists/forms and HASP?	☒ Yes	☐ No	
9. Are on-site soil piles, if present, properly encapsulated?	☒ Yes	☒ No	☐ N/A
10. Are there drums or storage tanks on site? (If YES, answer questions below)	☐ Yes	☒ No	
- Do drums/tanks have secondary containment?	☒ Yes	☒ No	NA
- Are the drums/tanks in good condition?	☒ Yes	☐ No	
- Are the drums/tanks properly vented and grounded (product drums must be grounded)?	☐ Yes	☐ No	NA
- Are the drums/tanks properly labeled, including a flammable sticker?	☐ Yes	☒ No	

COMMENTS:

1 - Dated 4/11/16 → update cover page (x2), reprint & put on site.
 4 - organize a little more for than air service equipment.
 10 - 1 x BF drum. - labeled a pen, but should have air-haz label added.
 1 x salvage oil drum outside in overpack. grounded ✓



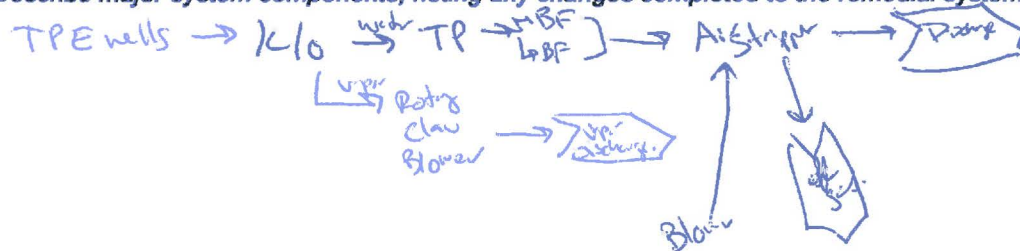
Enclosure/Structure/Building (Requires knowledge of IBC to complete)		☐ Not applicable	☐ Not checked
1. Is the enclosure in good condition? (check doors, roof, interior/exterior walls, trailer leveling jacks, fence material and posts, stack guy wires, structural elements)	☒ Yes	☐ No	
2. Is the enclosure properly heated, if necessary?	☒ Yes	☐ No	☐ N/A
3. Is the air in the enclosure properly exhausted?	☒ Yes	☐ No	
4. Is the exhaust fan guard in place?	☒ Yes	☐ No	
5. Are there sufficient fresh air louvers?	☒ Yes	☐ No	
6. Are the louvers or exhaust vents sealed off in the winter?	☐ Yes	☐ No	☒ N/A
7. Are all sheds/compounds locked?	☒ Yes	☐ No	☐ N/A
8. Are fire extinguishers on site? (If YES, expiration date: <u>7/2023</u>)	☒ Yes	☐ No	
9. Are combustible/flammable materials separated from sources of ignition?	☒ Yes	☐ No	

COMMENTS:

8-Fin Extinguisher needs to be serviced.

OM&M System

Describe major system components, noting any changes completed to the remedial system since the last inspection



1. Has the system changed since the last inspection?	☐ Yes	☒ No	
2. Was the system operating upon arrival?	☒ Yes	☐ No	☐ N/A
3. Is an accurate copy of system trenching diagram posted? → <u>post GES map</u>	☒ Yes	☐ No	
4. Is the posted P&ID accurate? <u>Not posted. See P&ID deck.</u>	☐ Yes	☒ No	
5. Are CEs/CSDs/sample ports/manifolds/flow direction/equipment properly labeled?	☐ Yes	☒ No	
6. Reviewed system CEs/CSDs, interlock, alarm inspection forms and procedures?	☒ Yes	☐ No	☐ N/A
7. Are pipe, tanks, hose, etc., supported properly and in acceptable condition (including those located in areas difficult to access [behind/under equipment])?	☐ Yes	☒ No	
8. Are piping, hoses, tubing, valves, and other system components rated for (e.g., pressure, temperature, flow capacity, fluid type, concentration, and chemical compatibility) the service for which they are used (e.g., compressed air, high-temperature vapors)?	☒ Yes	☐ No	
9. Are cam locks secured with pins, cable ties, or other equivalent means?	☐ Yes	☐ No	☒ N/A
10. Is piping outside the structure properly insulated and heat traced?	☐ Yes	☐ No	☒ N/A
11. Are buckle clamps used to connect hose to barbs? <u>yes except P-Femco's</u>	☐ Yes	☐ No	☐ N/A
12. Is there a floor sump (or other leak/spill detection) within the structure?	☒ Yes	☐ No	☐ N/A
13. Is the system free of all additional hazards (e.g., confined space, ladders required)?	☒ Yes	☐ No	
14. Is there at least 24 inches of space between equipment, control panels, and walls to	☒ Yes	☐ No	

3. Old Benchmark S&W map posted. Post GES map.

5. Need CE tags, need to add pipe arrows (W&B) for GWS bypass line & New line steel water lines. Add (W&B) arrows to AS Blow air lines (clean). Add (W&B) arrows to Blow blow unit (on insulation) - 'Air' stack (W&B).

G. Update CSD form - AS FSL's PSL.



allow OM&M to be conducted safely?

15. Are supports and braces on vibrating equipment tight?
 16. Is all equipment in good operating condition?

☒ Yes ☐ No ☐ N/A
☒ Yes ☐ No

COMMENTS:

Electrical Elements and Code Compliance

1. Has any electrical component of this system changed since the last inspection?
 (If YES, answer section below) ☐ Yes ☒ No
- How are areas classified? (Write name of area below)
- a. ☐ Class I Div I ☒ Class I Div II ☒ Not Classified
 b. ☐ Class I Div I ☐ Class I Div II ☐ Not Classified
 c. ☐ Class I Div I ☐ Class I Div II ☐ Not Classified
2. Is the electrical classification correct? ☒ Yes ☐ No
3. Does all of the electrical equipment (lights, heaters, pumps, blowers, etc.) comply with the classification? ☒ Yes ☐ No
4. Is the voltage and amperage to the system and components correct? ☐ Yes ☐ No
5. Are proper voltage and phase labels posted on circuit breaker panel? ☒ Yes ☐ No
6. Is the proper high voltage (208 volts or greater) label on the outside of the panel? ☐ Yes ☒ No
7. Are circuit breakers labeled in conjunction with equipment? ☐ Yes ☐ No
8. Are the motor starters properly sized? ☐ Yes ☐ No
9. Are the Thermal overloads sized and set for the proper motor amperage? ☐ Yes ☐ No
10. Are the gages of the wire correct for the equipment? ☐ Yes ☐ No
11. Is wiring in acceptable condition (no frayed, mashed, or loose wiring or burnt)? ☐ Yes ☐ No
12. Is wiring neat and attached to walls (shed and vaults)? ☒ Yes ☐ No
13. Are seal-offs poured? ☐ Yes ☐ No ☒ N/A
14. Are lights bulbs shatterproof, fluorescent, or shielded? ☒ Yes ☐ No
15. Are GFIs and weather-proof outlets installed? ☒ Yes ☐ No
16. Is all equipment properly wired (no extension cords, etc)? ☒ Yes ☐ No
17. Has an Electrical Inspection Report been completed? ☐ Yes ☒ No

COMMENTS:

G. MCP needs 480V, 3Ø stickers.
 208V Back panel needs 3Ø sticker.
 need 480V 3Ø stickers for VFD panel

MCP - need 4x 480V, 3Ø stickers.



Compressed Air Systems and Pressure Vessels

1. Are compressed air vessels used with the system? <i>(If no, skip this section)</i>	☐ Yes ☒ No
2. According to the pressure vessel code for the applicable state, the pressurized vessel does need to be inspected? (If yes, document in the comment section when the vessel was last inspected.)	☐ Yes ☐ No
3. Are air compressor guards and warning labels (Danger – Hot) in place?	☐ Yes ☐ No
4. Is integrity of compressed air lines acceptable?	☐ Yes ☐ No
5. Are compressed air lines securely connected?	☐ Yes ☐ No
6. Is air compressor oil compatible with piping (Synthetic oil and ABS piping are not)?	☐ Yes ☐ No
7. The compressor coalescing filter is changed on a routine schedule?	☐ Yes ☐ No
8. Has the oil been changed with the proper type?	☐ Yes ☐ No
9. Has it been changed within 3 months?	☐ Yes ☐ No
10. Have the air filters been inspected and replaced for the A/C and Filter/ Regulator?	☐ Yes ☐ No

COMMENTS:

System Inspection Corrective Action Form

1. Was a system inspection corrective action form generated from this inspection?	☒ Yes ☐ No
2. Is the completed system inspection corrective action form attached to the checklist?	☒ Yes ☐ No

Completed Inspections must be reviewed and acknowledged by the following:

	Title	Printed Name	Signature	Date
1.	Technician			
2.	Project Engineer	Genevieve Bock		8/22/23
3.	Project Manager	Thomas Palmer		8/22/23
4.	LHSO			
5.	Professional Engineer or Regional Engineer			

[illegible]