



December 4, 2024

Mr. Stephen E. Catalfamo
NYSDEC – Region 7 Sub-Office
1679 NY Route 11
Kirkwood, New York 13795

Reference: 2024 Periodic Review Report
409 Commerce Road
Vestal, New York 13850
Site No. V00138

Dear Mr. Catalfamo:

Introduction

This report provides the basis for the review and certification of the institutional and engineering controls (ICs/ECs) implemented at Site No. V00138. The signed Institutional and Engineering Controls Certification Form is included in Appendix A.

The Site is currently owned by 409 Commerce, LLC. 409 Commerce, LLC. purchased the Site in April 2023. This Periodic Review Report (PRR) is prepared and submitted at the direction of 409 Commerce, LLC, consistent with the Site's remedial program as approved by the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH). The reporting period for this PRR is November 6, 2023 to November 6, 2024.

The original Volunteer Cleanup Agreement (VCA), Index No. A7-0374-9809, between the Winatic Corporation, a New York corporation and a wholly owned subsidiary of ElectroTechnik Industries, Inc. of Clearwater, Florida (Volunteer) and the NYSDEC was executed on March 5, 1999 for 409 Commerce Road (Site). The Site is located at 409 Commerce Road in the Town of Vestal, County of Broome and State of New York (Drawing No. 1, Appendix B).

Remediation at the Site is complete and the Final Engineering Report (FER) was submitted to the NYSDEC in June 2011. An Operations And Maintenance (O&M) Plan was developed as part of the remedial program for the Site. The original O&M Plan was submitted to the NYSDEC in June 2011. The O&M Plan was modified, by GeoLogic NY, P.C. (GeoLogic), and submitted to the NYSDEC in March 2018. The Assignable Release and Covenant Not to Sue was issued by the NYSDEC to the Volunteer on June 25, 2018. The O&M Plan was modified again, by GeoLogic, and submitted to the NYSDEC in May 2023.

Site Overview

The Site consists of one tax parcel (ID No. 158.08-1-23) and encompasses approximately 1.82 acres. Currently, the Site consists of a vacant, mostly undeveloped lot. The building at the Site was demolished in 2014. A small shed, containing the groundwater treatment system, is located in the northeast quadrant of the Site. The Site's tax parcel and surrounding properties are depicted on Drawing No. 2, Appendix B.

The Site is bordered on the north by commercial properties, on the east by residential properties, on the west by Commerce Road and then commercial properties and on the south by commercial properties. The property to the west and southwest of the Site is listed in the State Superfund Program as Site No. 704002 and is known as the Robintech Site.

Electrical components, including coils, transformers and printed circuit boards were manufactured at the 409 Commerce Road Site from approximately 1967 to 1999. The primary contaminant of concern associated with the Site is the chlorinated volatile organic compound (VOC) trichloroethene (TCE) (also known as trichloroethylene) (CAS# 79-01-6). TCE was used as an industrial solvent for parts cleaning as part of the manufacturing process completed at the Site. Investigations indicated that a plume of groundwater contamination emanated from the north end of the Site and extended onto adjacent properties to the north and northwest. Soil gas testing indicated the presence of a vapor phase plume of TCE in the vadose zone that has impacted indoor air quality at the Site and at nearby commercial properties.

Remediation at the Site is complete. Remediation included excavation of source area soils, a groundwater extraction and treatment system and sub-slab depressurization systems. Residual contamination, in soil, soil vapor and groundwater, is managed through the institutional controls, engineering controls and the O&M Plan implemented at the Site.

Operations And Maintenance Plan Compliance

The original O&M Plan was developed as part of the remedial program for the Site and was submitted to the NYSDEC in June 2011. GeoLogic modified the O&M Plan and submitted it to the NYSDEC in March 2018 and May 2023. The Site can be used for industrial purposes. There is a prohibition on the use of groundwater at the Site, and any site activities must comply with the O&M Plan.

The Site currently has the following institutional controls and engineering controls:

- Ground Water Use Restriction,
- Land Use Restrictions,
- Deed Restrictions,

- O&M Plan,
- Groundwater Treatment System.

The operations, maintenance and monitoring requirements for the Site are listed in Section 3 of the O&M Plan and include the following:

- Monthly Tasks: Completed to ensure the continued operation and maintenance of the on-site Groundwater Remediation System. The Groundwater Remediation System is depicted on the As-Built Drawing (Drawing No. 3, Appendix B). Specific tasks are listed below:
 1. Verify that the groundwater pump and treatment system is operating.
 2. Verify that the compressor has air pressure.
 3. Check the oil level in the compressor and add oil if necessary.
 4. Drain condensate from the compressor and the air supply line to the pump. Store collected condensate in a drum on the premises for proper disposal per Section 3.3 of the O&M Plan.
 5. Record the effluent water meter reading.
 6. In the winter months, verify that the building heating system is functioning to protect the groundwater system from freezing.
 7. To evaluate the groundwater recovery and treatment system operations, collect water samples from sampling taps described below:
 - Influent: before the primary drum,
 - Mid: between the primary and secondary drums, and
 - Effluent: after the secondary drum.

Submit the samples to an NYSDOH ELAP approved laboratory to be analyzed for VOCs using EPA Method 8260. Resulting data is used to guide replacement of the activated carbon drums to make sure the system is not releasing contamination. The release threshold for TCE concentration is less than 5 µg/L; however, action should be taken to replace carbon drums if any detectable level of TCE is reported in the system effluent. When the monthly system analysis shows mid breakthrough (i.e. VOCs are detected), it indicates that the primary drum is approaching saturation and needs to be replaced. When this occurs, the primary drum is removed, the existing secondary finish carbon drum is rotated to the primary position and a fresh carbon drum is added to the finish position. Spent drums are stored onsite for proper disposal per Section 3.3 of the O&M Plan.

- Annual Tasks: Annual sampling of the onsite and offsite monitoring wells: MW-1, MW-2, MW-3, MW-5, MW-6, MW-7R, MW-15 and BR-1. Well locations are depicted on the Site Map (Drawing No. 4, Appendix B). Specific tasks are listed below:
 1. Measure water level elevation in each well.
 2. Purge each well according to NYSDEC approved practices.
 3. Collect groundwater samples from each well and submit to an NYSDOH Environmental Laboratory Approval Program (ELAP) approved laboratory for analysis of VOCs by EPA Method 8260.
 4. Submit reports of results per Section 3.5 of the O&M Plan.
- Routine Tasks: Routine maintenance and disposal tasks completed on an as-needed basis. Specific tasks are listed below:
 1. Store fresh carbon drums inside the groundwater remediation system storage shed to be used as replacements, as necessary.
 2. Store spent carbon drums inside the groundwater remediation system storage shed. When four spent drums accumulate, they are disposed of as hazardous waste.
 3. Store collected condensate in a drum on the premises and have Environmental Products and Services dispose of it when full.
- Tasks To Be Completed Upon Request: Specific task(s) is/are listed below:
 1. Indoor air and/or sub-slab vapor testing will be conducted at the offsite 408 Commerce Road (former Fine-Host) and 413 Commerce Road (Leva Brothers) building(s) when requested by NYSDEC and/or NYSDOH and/or if a change of use occurs.

The project management team is as follows:

Site Owner:	409 Commerce, LLC.
Consultant:	GeoLogic NY, P.C. (GeoLogic)
Analytical Laboratories:	Pace Analytical, East Longmeadow, MA (Pace) and Eurofins Buffalo (Eurofins), Amherst, NY

Current Site Conditions Summary

Currently, the Site consists of a vacant mostly undeveloped lot. The building at the Site was demolished in 2014. A small shed, containing the groundwater treatment system, is located in the northeast quadrant of the Site.

In October 2023, the owner of the Site submitted a 60-Day Advance Notification of Site Change of Use form to the NYSDEC associated with the potential construction of a warehouse building at the Site (see correspondence dated October 24, 2023 in Appendix A). No physical changes have occurred at the Site during this reporting period.

No waste was shipped off-site for disposal during this reporting period.

Off-Site Conditions Summary

The adjacent property, the former Fine-Host building (currently Marchuska Brothers) located at 408 Commerce Road, has been redeveloped. MW-7 was reportedly destroyed during the redevelopment activities.

On August 26, 2020, North Star Drilling with the oversight of GeoLogic drilled and installed a replacement monitoring well, MW-7R. The new location of MW-7R was discussed with and approved by Mr. Gary Priscott of the NYSDEC. GeoLogic's letter report, dated August 29, 2020, documented this work. MW-7R was sampled during the November 11, 2020 and March 23, 2021 sampling events.

MW-4 was also destroyed during the redevelopment and/or landscaping activities at the former Fine-Host building (currently Marchuska Brothers). On April 14, 2022, GeoLogic attempted to locate MW-4 using a metal detector. No evidence of MW-4 was located. GeoLogic relayed this finding and a recommendation to not replace MW-4 to Mr. Gary Priscott of the NYSDEC via e-mail on April 27, 2022. Mr. Priscott agreed with GeoLogic's decision not to replace MW-4.

A new sub-slab depressurization system (SSDS) was installed at 408 Commerce Road as part of the redevelopment activities. See the section below for details.

Sub-Slab Depressurization System - Monitoring & Maintenance

None currently required at the Site. The onsite building was demolished in 2014.

A SSDS was installed at the former Fine-Host building (currently Marchuska Brothers) located at 408 Commerce Road. On September 25, 2020, GeoLogic visited the building at 408 Commerce Road and completed pressure field extension testing. The results indicated that the desired minimum vacuum of 0.004-inches of water under the concrete floor slab has been achieved with the

current configuration of the SSDS. GeoLogic's letter report, dated October 19, 2020, documented this work.

Groundwater Monitoring Summary for the Reporting Period

For this reporting period, required monitoring at the Site consisted of monthly sampling of the groundwater remediation system (locations depicted on the As-Built Drawing, Drawing No. 3, Appendix B) and annual sampling of onsite and offsite groundwater monitoring wells (locations depicted on the Site Map, Drawing No. 4, Appendix B).

Monthly Sampling:

Monthly sampling of the groundwater remediation system consisted of collecting a sample from three (3) locations, the influent, mid (between the primary and secondary carbon drums) and the effluent. The following monthly sampling events were completed during this reporting period:

- **2023 Monthly Sampling:** A monthly sampling event was completed in November 2023. The air compressor failed and the system was down in December 2023 (no monthly samples collected). The air compressor was repaired and returned to service.
- **2024 Monthly Sampling:** A total of eleven sampling events were completed in 2024 to date, January, February, March, April, May, June, July, August, September, October and November 2024. The laboratory analysis report for the November 7, 2024 sampling event is currently pending. A sampling event is scheduled for December 2024.

All monthly groundwater samples were collected by GeoLogic and submitted for laboratory analysis to Pace New England (Pace). Pace is an independent Environmental Laboratory Approval Program (ELAP) certified laboratory. Pace is located at 39 Spruce Street, East Longmeadow, Massachusetts 01028. The monthly groundwater samples were analyzed for VOCs on the Target Compound List (TCL) utilizing EPA Method 8260. Laboratory analysis reports are included in Appendix E.

Annual Sampling:

The annual sampling event consisted of sampling the onsite and offsite groundwater monitoring wells, the locations are depicted on the Site Map (Drawing No. 4, Appendix B). The annual sampling event was completed on July 11, 2024.

Depth to groundwater was measured at each well and the data was used to develop Groundwater Contour Map for the sampling event (See Drawing No. 5 and Table 1). It is noted that the depth to water in BR-1 (currently the influent for the groundwater remediation system) was not measured;

therefore, the capture zone is not depicted. However, the general direction of groundwater flow (to the northwest) remains consistent with the historic data.

All annual groundwater samples were collected by GeoLogic and submitted for laboratory analysis to Eurofins Buffalo (Eurofins). Eurofins is an independent Environmental Laboratory Approval Program (ELAP) certified laboratory. Eurofins is located at 10 Hazelwood Drive, Amherst, New York 14228. The annual groundwater samples were analyzed for VOCs on the TCL utilizing EPA Method 8260.

Field parameters (temperature, pH, conductivity, oxidation-reduction potential (ORP), and turbidity) were measured at selected monitoring wells (MW-1, MW-2, MW-3 and MW-15) and are summarized on Table 2, Appendix C. The groundwater monitoring well sampling records are included in Appendix D.

TCE continues to be the primary contaminant observed in the groundwater samples. The NYS Water Quality Standard for TCE is 5 µg/L. For this reporting period, the highest TCE concentration was observed in the samples collected from BR-1 which is the influent for the groundwater remediation system. The influent TCE concentrations ranged from 20 µg/L on January 17, 2024 to 220 µg/L on October 8, 2024. During the annual sampling event completed on July 11, 2024, the highest TCE concentration observed was 660 µg/L at MW-7R. The TCE concentration at MW-2 was 8.5 µg/L. The TCE concentration at all other monitoring wells was below the NYS Water Quality standard.

Analytical results from the groundwater remediation system samples are summarized on Table 3, Appendix C. Analytical results from the groundwater monitoring wells are summarized on Table 4, Appendix C. Laboratory analysis reports are included in Appendix E.

Recommendations

GeoLogic does not recommend any changes to the operations, maintenance and monitoring requirements for the Site at this time.

Mr. Stephen Catalfamo, NYSDEC
2024 PRR for 409 Commerce Road, Site No. V00138
December 4, 2024
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If you have any questions, or additional information is required, please contact the undersigned.

Prepared by,

GeoLogic NY, P.C.

A handwritten signature in blue ink, appearing to read "C. Gabriel".

Christopher T. Gabriel
Project Manager

A handwritten signature in blue ink, appearing to read "Forrest Earl".

Forrest C. Earl, P.G.
President/Principal Hydrogeologist

Enc: Appendix A Institutional and Engineering Controls Certification Form & Correspondence
 Appendix B Drawings
 Appendix C Tables
 Appendix D Groundwater Monitoring Well Sampling Records
 Appendix E Laboratory Analysis Reports

cc via e-mail: Christina & Larry Pierce, 409 Commerce LLC
 Gary Priscott, NYSDEC
 Scarlett McLaughlin, NYSDOH
 Stephanie Selmer, NYSDOH

CC: File: P:\PROJECTS\2018\218010 - Winatic Vestal NY\REPORT\2024 PRR\2024 PRR for Site No. V00138 409 Commerce Rd.doc

APPENDIX A

INSTITUTIONAL & ENGINEERING CONTROLS CERTIFICATION FORM



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



Site No.	V00138	Site Details	Box 1
Site Name 409 Commerce Road			
Site Address: 409 Commerce Road Zip Code: 13850			
City/Town: Vestal			
County: Broome			
Site Acreage: 1.820			
Reporting Period: November 06, 2023 to November 06, 2024			
			YES NO
1. Is the information above correct?			X ☐
If NO, include handwritten above or on a separate sheet.			
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?			☐ X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?			☐ X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?			☐ X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.			
5. Is the site currently undergoing development?			☐ X

			Box 2
			YES NO
6. Is the current site use consistent with the use(s) listed below? Industrial			X ☐
7. Are all ICs in place and functioning as designed?			X ☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

Description of Institutional ControlsParcelOwnerInstitutional Control**158.08-1-23**

409 Commerce, LLC

Ground Water Use Restriction
Landuse Restriction
O&M Plan

Deed Restriction including covenants that:

- property is subject to provisions of O&M Plan;
- owner continues operation of engineering controls without interference, removal, or disturbance;
- property is to be for industrial use only;
- use of groundwater for potable use is prohibited; and
- owner shall provide periodic certification of institutional and engineering controls.

Description of Engineering ControlsParcelEngineering Control**158.08-1-23**Groundwater Treatment System
Vapor Mitigation

Groundwater extraction and treatment system (on-site) and sub-slab depressurization system at one off-site building (408 Commerce Rd).

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO

X ☐

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

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

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

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

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

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

YES NO

X ☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. V00138

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Forrest C. Earl, P.G. at GeoLogic NY, P.C.
print name print business address
P.O. Box 350, Homer, NY 13077

am certifying as Designated Representative for the Owner (Owner or Remedial Party)

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


Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

12-3-24
Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

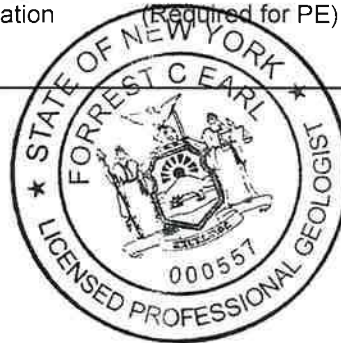
I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Forrest C. Earl, P.G. at GeoLogic NY, P.C.
print name print business address
P.O. Box 350, Homer, NY 13077

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

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

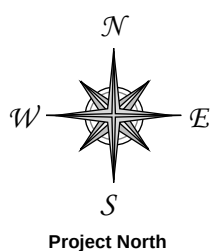
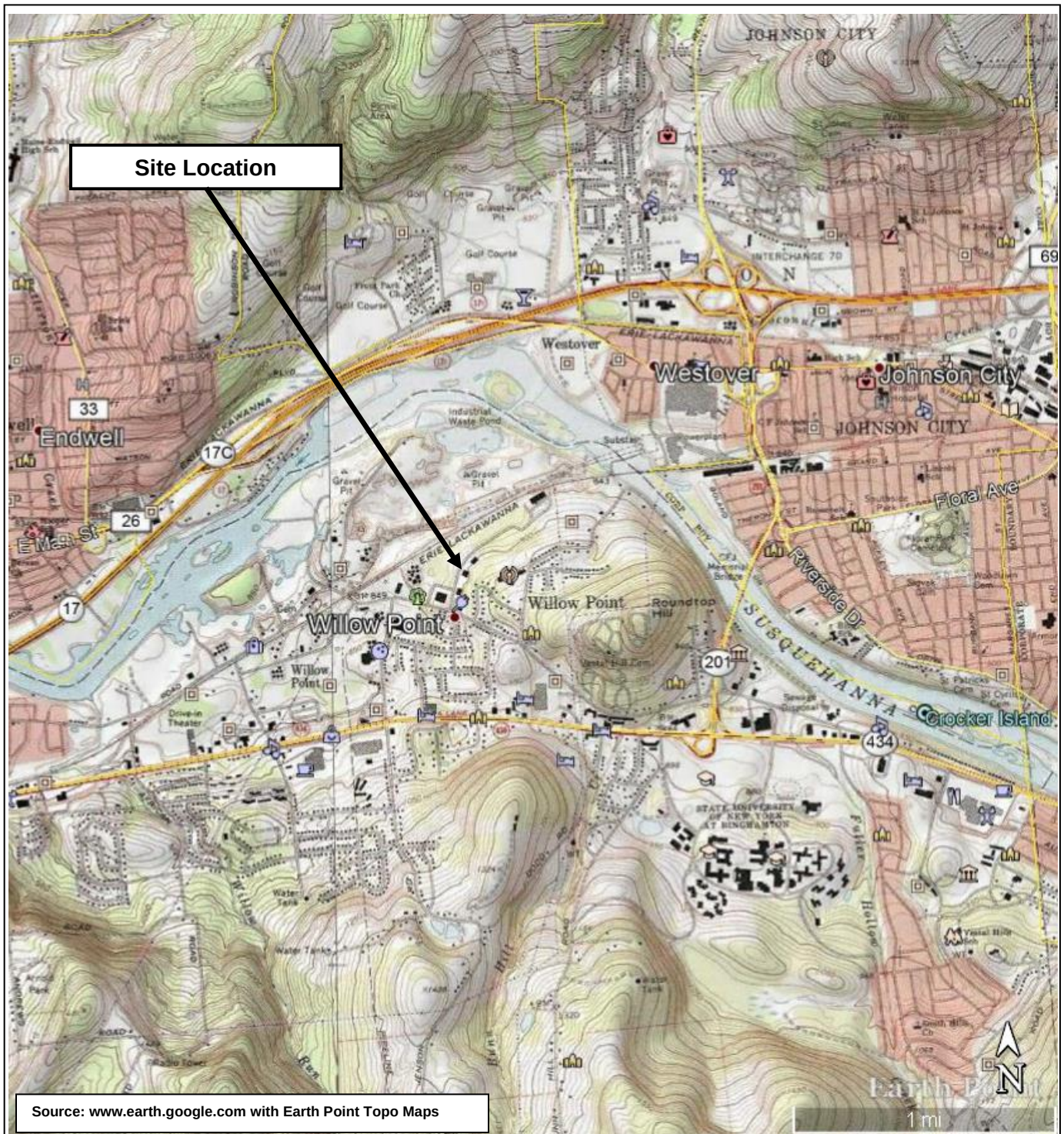
Stamp
(Required for PE)



Date

12-3-24

APPENDIX B
DRAWINGS

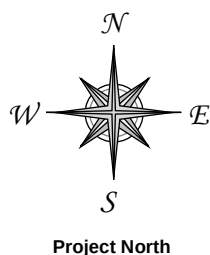
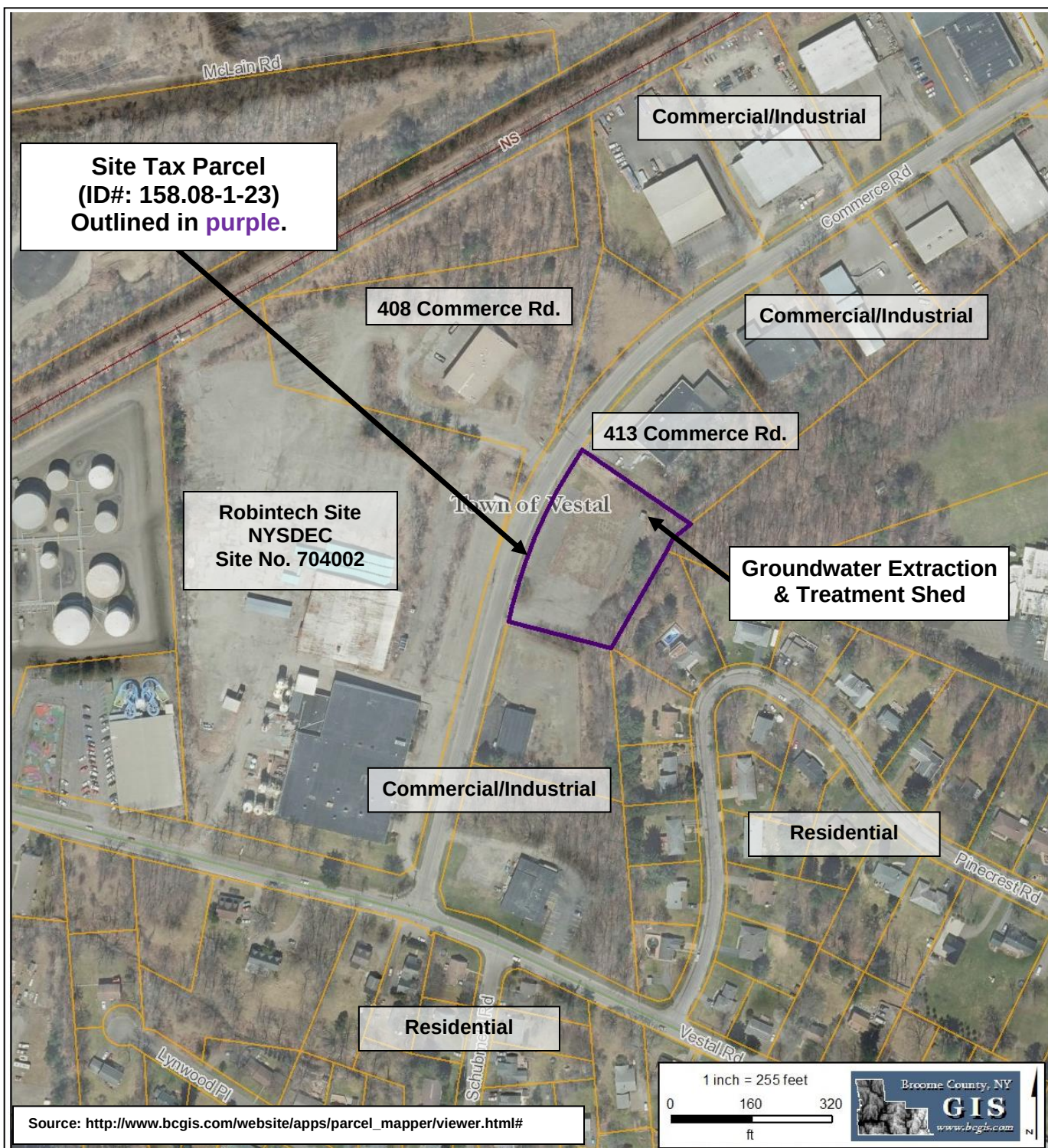


GeoLogic

GeoLogic NY, PC, Homer, New York

SITE LOCATION PLAN
409 COMMERCE ROAD
VESTAL, NEW YORK
SITE NO. V00138

DRAWN BY:	SCALE:	PROJECT NO:
CTG	Approx. as shown	218010
REVIEWED BY:	DATE:	DRAWING NO:
FCE	NOV. 2024	1



GeoLogic

GeoLogic NY, PC, Homer, New York

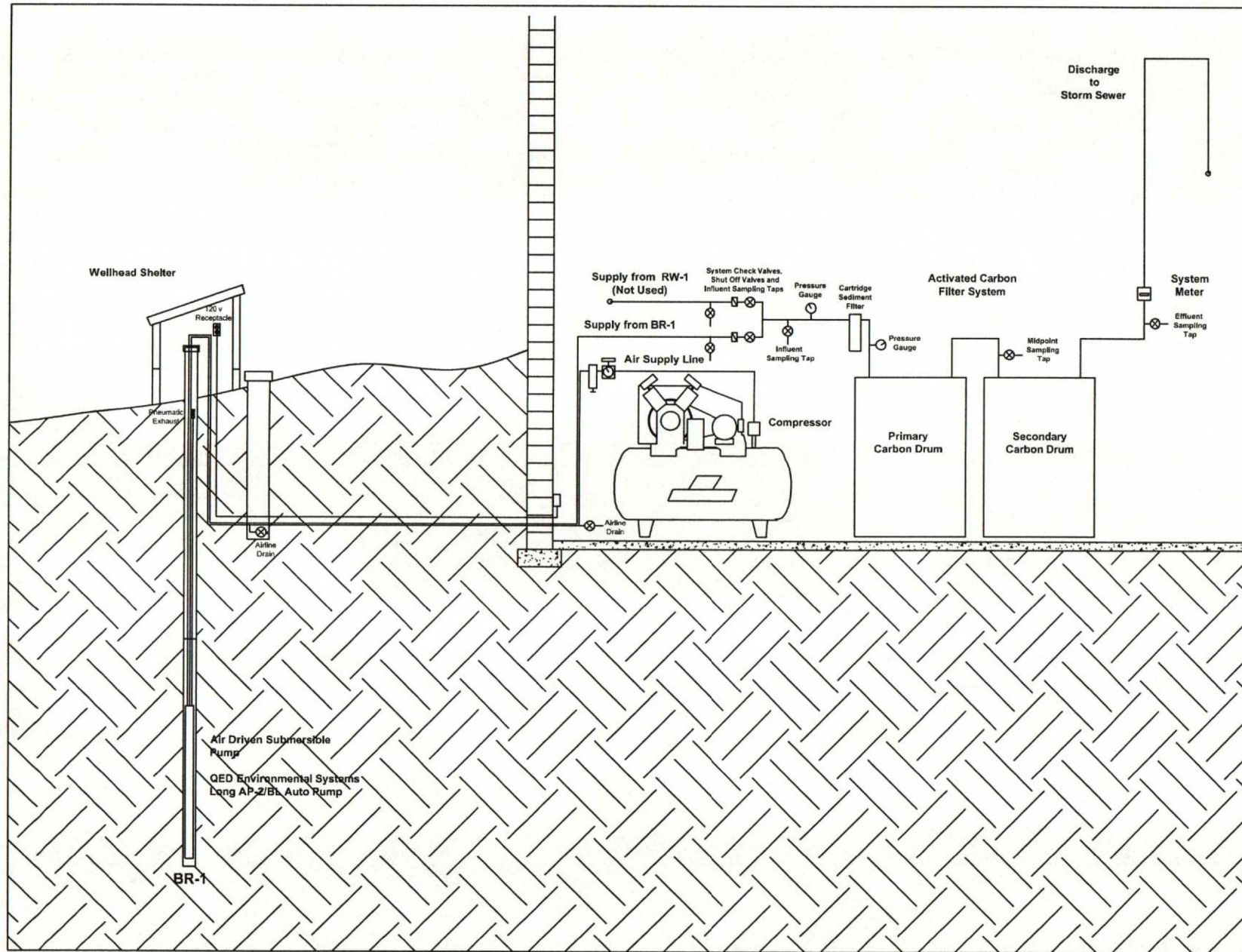
TAX MAP & VICINITY PLAN
409 COMMERCE ROAD
VESTAL, NEW YORK
SITE NO. V00138

DRAWN BY:	SCALE:	PROJECT NO:
CTG	Not To Scale	218010
REVIEWED BY:	DATE:	DRAWING NO:
FCE	NOV. 2024	2

FINAME BR Winatic section final.dwg

REVDATE

USER



Winatic Corporation
409 Commerce Road
Vestal, New York

Groundwater
Remediation
System
As-Built Drawing

Project	Sheet
6-2-11	Drawn By JRH
Not To Scale	Scale

Drawing No. 3



Legend:

- ◆ Monitoring Well & Recovery Well Location
- ▲ Bench Mark = North Rim of Man Hole
Assumed elevation of 100.00 feet

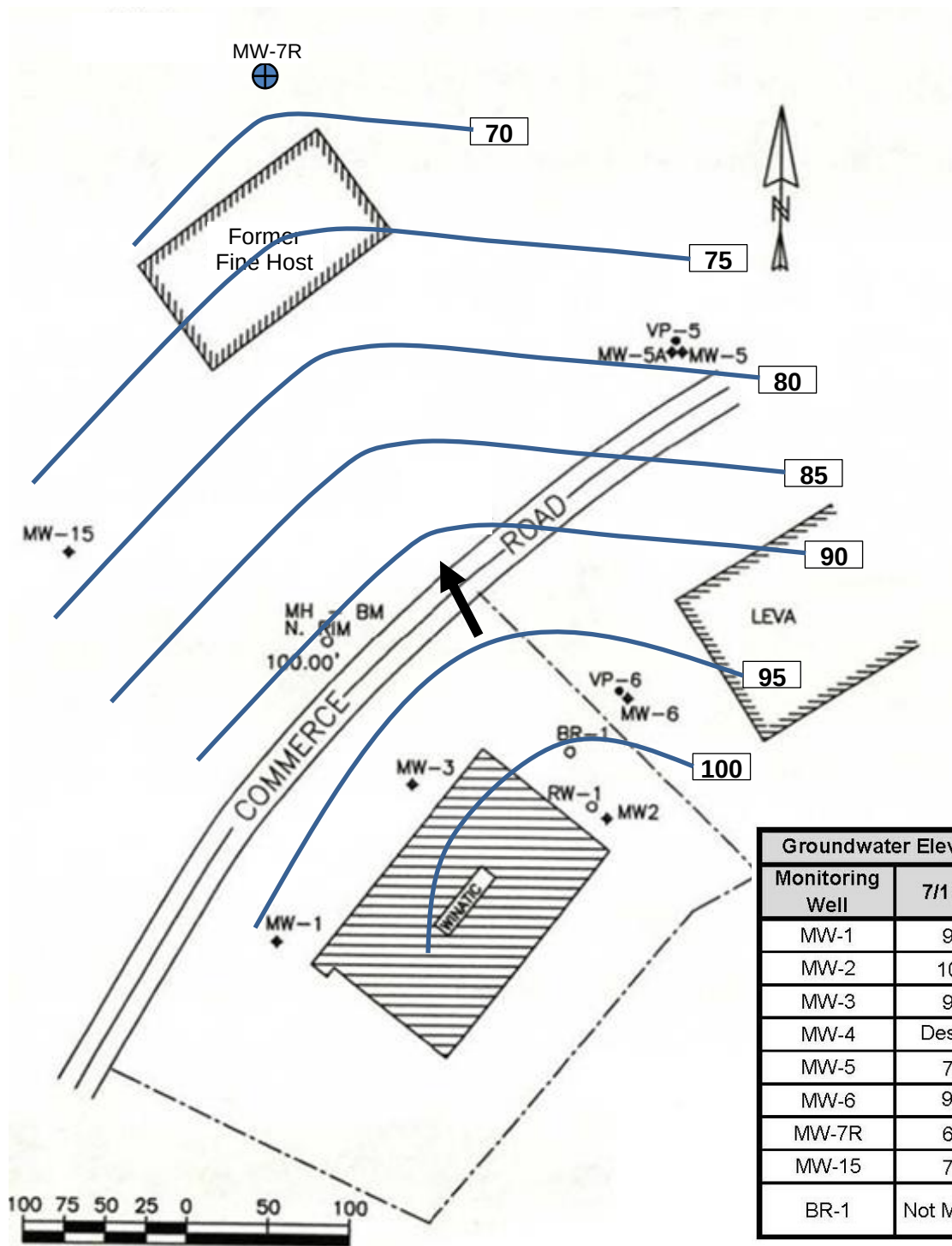
Note: All locations are approximate.

GeoLogic

GeoLogic NY, PC, Homer, New York

**SITE LAYOUT PLAN
SITE NO. V00138 – WINATIC CORP.
409 COMMERCE ROAD
VESTAL, NEW YORK**

DRAWN BY: CTG	SCALE: Approx. as shown	PROJECT NO: 218010
REVIEWED BY: FCE	DATE: NOV. 2024	DRAWING NO: 4



Groundwater Elevations	
Monitoring Well	7/11/2024
MW-1	96.01
MW-2	103.04
MW-3	98.88
MW-4	Destroyed
MW-5	78.94
MW-6	96.69
MW-7R	68.41
MW-15	78.73
BR-1	Not Measured

Legend:

- ◆ Monitoring Well Location
- ↑ Direction of Groundwater Flow
- 90 Groundwater Contour Elevation
- Water Table Contour for 7-11-24

Source: Site Map, dated June 2, 2011 by Buck Engineering, LLC.

GeoLogic

GeoLogic NY, PC, Homer, New York

GROUNDWATER CONTOUR MAP
JULY 11, 2024
409 COMMERCE ROAD, VESTAL, NY
SITE NO. V00138

DRAWN BY: CTG	SCALE: Not To Scale	PROJECT NO: 218010
REVIEWED BY: FCE	DATE: JULY 2024	DRAWING NO: 5

APPENDIX C

TABLES

**TABLE 1
GROUNDWATER ELEVATIONS**

Well	MW-1		MW-2		MW-3		MW-4		MW-5		MW-6		MW-7 & MW-7R		MW-15		BR-1	
TOC Reference Elevation	102.93		109.02		106.25		92.61		90.21		102.94		73.57		91.20		109.77	
DATE	DtoW	Elev.	DtoW	Elev.	DtoW	Elev.	DtoW	Elev.	DtoW	Elev.	DtoW	Elev.	DtoW	Elev.	DtoW	Elev.	DtoW	Elev.
3/14/2018	4.01	98.92	3.62	105.40	4.52	101.73	5.55	87.06	6.99	83.22	0.00	102.94	2.41	68.25	14.52	76.68	NM	
10/5/2018	2.66	100.27	1.62	107.40	1.92	104.33	5.47	87.14	6.28	83.93	0.00	102.94	1.28	69.38	10.42	80.78	NM	
5/3/2019	5.91	97.02	7.42	101.60	9.13	97.12	7.32	85.29	8.51	81.70	NA		1.27	69.39	11.42	79.78	NM	
9/23/2019	8.55	94.38	17.45	91.57	11.40	94.85	11.56	81.05	12.47	77.74	12.65	90.29	Well Destroyed		14.27	76.93	NM	
3/30/2020	7.51	95.42	5.10	103.92	6.02	100.23	9.19	83.42	10.53	79.68	NA		Well Destroyed		14.25	76.95	NM	
8/26/2020	New Replacement Well MW-7R Installed																	
11/11/2020	7.80	95.13	17.06	91.96	9.25	97.00	NA		14.25	75.96	10.95	91.99	8.42		18.25	72.95	NM	
3/23/2021	8.69	94.24	2.98	106.04	8.45	97.80	NA		9.15	81.06	NA		5.45		11.10	80.10	NM	
6/22/2022	8.80	94.13	6.00	103.02	5.50	100.75	Destroyed		NA		5.40	97.54	4.60		12.90	78.30	NM	
5/23/2023	7.67	95.26	5.38	103.64	6.78	99.47			9.06	81.15	NA		5.07	68.50	12.89	78.31	NM	
7/11/2024	6.92	96.01	5.98	103.04	7.37	98.88			11.27	78.94	6.25	96.69	5.16	68.41	12.47	78.73	NM	
Notes:																		
TOC - Top of Casing																		
DtoW - TOC Depth to Water																		
Elev. - Elevation																		
NA - Not Accessible																		
NC - Not Measured																		

**TABLE 2
FIELD PARAMETERS**

Well	Date	Temp. (°C)	pH	Conductivity (µS/cm)	Turbidity (NTU)	ORP (mV)
MW-1	3/14/2018	9.9	7.11	157	12.4	65.0
	10/5/2018	15.9	7.06	296	210	-12.9
	5/3/2019	13.6	7.92	516	13.3	-85.2
	9/23/2019	19.4	6.90	169	42.4	64.0
	3/30/2020	11.4	6.74	224	4.42	55.0
	11/11/2020	18.8	8.16	161	16.0	81.0
	3/23/2021	11.1	7.14	425	17.9	191
	6/22/2022	15.6	7.70	71.4	7.28	79.0
	5/23/2023	12.7	7.15	131	44.24	156.2
	7/11/2024	13.2	7.19	382	42.99	-16.5
MW-2	3/14/2018	8.7	7.03	942	1.14	64.0
	10/5/2018	16.9	6.77	402	0.73	339
	5/3/2019	9.4	6.56	537	2.83	-4.20
	9/23/2019	14.2	7.03	517	4.9	96.0
	3/30/2020	9.6	6.64	931	4.38	114
	11/11/2020	16.1	7.17	520	4.04	89.0
	3/23/2021	12.3	6.78	847	2.79	118
	6/22/2022	17.4	6.73	667.8	45.6	181
	5/23/2023	9.6	6.56	758	11.01	83.2
	7/11/2024	12.0	6.69	346	2.45	58.9
MW-3	3/14/2018	11.8	7.52	345	1.09	67.0
	10/5/2018	17.4	6.87	327	1.4	294
	5/3/2019	12.9	6.52	353	3.15	-1.60
	9/23/2019	17.6	7.36	424	11.7	82.0
	3/30/2020	16.0	6.85	396	4.93	93.0
	11/11/2020	19.0	7.38	353	2.38	100
	3/23/2021	10.7	7.12	326	3.47	85.0
	6/22/2022	16.4	6.68	426.2	7.03	185
	5/23/2023	11.5	6.79	374	870.3	125.8
	7/11/2024	12.4	6.61	415	98.38	104.5
MW-15	3/14/2018	10.8	6.70	624	6.7	45.0
	10/5/2018	14.1	6.37	549	130	317
	5/3/2019	10.9	6.50	495	2.02	-4.70
	9/23/2019	13.7	6.37	717	40.3	74.0
	3/30/2020	10.0	6.35	671	7.06	107
	11/11/2020	16.1	7.09	737	3.40	102
	3/23/2021	12.2	6.36	681	51.9	135
	6/22/2022	13.8	6.45	744.6	4.92	310
	5/23/2023	10.4	6.21	535	14.3	140.1
	7/11/2024	12.4	6.31	617	18.57	106.3
Notes:						
Field parameters only collected at MW-1, MW-2, MW-3 and MW-15						

TABLE 3
SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER REMEDIATION SYSTEM

Date	Influent cVOCs	Mid cVOCs	Effluent cVOCs	Flow Meter
1/24/2018	1,433.08	6.743	ND <0.50	2,955,878
2/14/2018	Due to breakthrough at Mid, removed spent (primary) carbon drum and installed new carbon drum.			2,993,894
2/20/2018	1,462.73	ND <0.50	ND <0.50	3,004,413
3/14/2018	1,342.61	ND <0.50	ND <0.50	NR
	Collected composite sample from 5 spent carbon drums			
4/9/2018	3,267.11	ND <0.50	ND <0.50	NR
4/25/2018	Disposal of 5 spent carbon drums by EPS			
5/7/2018	2,083.20	ND <1.0	ND <1.0	NR
6/11/2018	284.00	1.98	ND <1.0	NR
	Air entering influent, need to diagnose pump			
7/27/2018	1,271.74	1.03	ND <1.0	3,339,228
	Installed new pump. Recovered 4,000 gallons before sampling.			
8/22/2018	1,643.82	1.71	ND <1.0	NR
9/19/2018	1,362.00	2.096	ND <0.50	NR
10/5/2018	2,634.65	0.843	ND <0.50	NR
11/12/2018	3,446.11	ND <0.50	ND <0.50	NR
12/1/2018	No Samples - System Down - Pump Returned to Manufacturer for Repair			
1/4/2019	System Restart - Repaired Pump Installed			
1/7/2019	749.67	ND <0.50	ND <0.50	NR
2/1/2019	930.20	ND <0.50	ND <0.50	NR
3/29/2019	858.23	ND <0.50	ND <0.50	NR
4/12/2019	New air compressor installed			3,520,784
4/26/2019	481.34	ND <1.0	ND <1.0	3,549,408
5/14/2019	396.08	ND <1.0	ND <1.0	3,582,201
6/12/2019	655.56	ND <1.0	ND <1.0	NR
7/5/2019	1.97	ND <1.0	ND <1.0	NR
8/19/2019	525.43	ND <1.0	ND <1.0	NR
9/9/2019	1,655.41	ND <1.0	ND <1.0	3,782,601
10/18/2019	890.13	1.51	ND <1.0	NR
11/6/2019	473.12	8.38	ND <1.0	NR
12/20/2019	540.00	ND <1.0	ND <1.0	3,924,861
1/20/2020	468.00	ND <1.0	ND <1.0	3,968,141
2/24/2020	391.33	ND <1.0	ND <1.0	NR
3/23/2020	394.00	ND <1.0	ND <1.0	NR
4/13/2020	1,620.00	ND <1.0	ND <1.0	NR
5/29/2020	535.40	74.10	ND <1.0	NR
6/28/2020	New belt for air compressor installed.			NR
6/30/2020	374.04	ND <1.0	ND <1.0	NR
7/15/2020	1,212.94	ND <1.0	ND <1.0	NR
8/17/2020	651.00	1.82	ND <1.0	NR
9/24/2020	2,105.99	1.99	ND <1.0	NR

TABLE 3
SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER REMEDIATION SYSTEM

Date	Influent cVOCs	Mid cVOCs	Effluent cVOCs	Flow Meter
10/13/2020	3,088.80	3.51	ND <1.0	NR
11/3/2020	1,110.00	31.26	ND <1.0	NR
12/9/2020	1,270.00	143.52	ND <1.0	NR
1/19/2021	499.49	ND <1.0	ND <1.0	NR
2/10/2021	713.00	ND <1.0	ND <1.0	NR
3/5/2021	360.24	ND <1.0	ND <1.0	NR
4/12/2021	365.47	ND <1.0	ND <1.0	NR
5/28/2021	235.08	ND <1.0	ND <1.0	NR
	No June 2021 Data Provided to GeoLogic			
7/23/2021	121.02	18.94	ND <1.0	NR
8/4/2021	158.00	ND <1.0	ND <1.0	NR
9/1/2021	210.00	ND <1.0	ND <1.0	NR
10/6/2021	325.21	ND <1.0	ND <1.0	NR
11/3/2021	203.00	1.21	ND <1.0	NR
	No December 2021 Data Provided to GeoLogic			
	No January 2022 Data Provided to GeoLogic			
2/28/2022	204	ND <1.0	ND <1.0	4,644,794
3/23/2022	194	1.30	ND <1.0	NR
4/18/2022	166.39	3.57	ND <1.0	4,702,936
5/24/2022	142	1.54	ND <1.0	NR
6/27/2022	15.2	ND <1.0	ND <1.0	NR
7/18/2022	880	2.15	ND <1.0	NR
8/15/2022	1,346.37	2.31	ND <1.0	NR
9/13/2022	356.42	11.20	ND <1.0	NR
10/17/2022	252	ND <1.0	ND <1.0	NR
11/14/2022	896.8	ND <1.0	ND <1.0	NR
12/13/2022	314.27	ND <1.0	ND <1.0	NR
	GeoLogic Begin Sampling			
1/12/2023	8.5	ND <1.0	ND <1.0	4,894,967
2/2/2023	356.0	ND <1.0	ND <1.0	4,908,732
3/17/2023	107.0	ND <1.0	ND <1.0	4,914,758
4/5/2023	217.5	ND <1.0	ND <1.0	4,929,601
5/23/2023	No Samples - System Down - Compressor Failed.			
6/21/2023				
7/19/2023	19	ND <1.0	ND <1.0	4,933,752
8/8/2023	310	ND <1.0	ND <1.0	4,954,568
9/19/2023	260	ND <1.0	ND <1.0	5,001,934
10/20/2023	No Samples - System Down - No Electricity to Site.			
11/14/2023	110	ND <1.0	ND <1.0	5,020,693
12/11/2024	No Samples - System Down - Compressor Failed.			
1/17/2024	20	8.9	ND <1.0	5,027,978

TABLE 3
SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER REMEDIATION SYSTEM

Date	Influent cVOCs	Mid cVOCs	Effluent cVOCs	Flow Meter
2/13/2024	132.3	ND <1.0	ND <1.0	5,028,189
3/5/2024	120	ND <1.0	ND <1.0	5,044,293
4/4/2024	65.7	9.4	ND <1.0	5,047,084
5/6/2024	140	ND <1.0	ND <1.0	5,069,465
6/13/2024	42	ND <1.0	ND <1.0	5,070,241
7/11/2024	170	ND <1.0	ND <1.0	5,094,916
8/6/2024	58	ND <1.0	ND <1.0	5,115,155
9/3/2024	180	ND <1.0	ND <1.0	5,134,851
10/8/2024	220	ND <1.0	ND <1.0	5,138,824
Notes: All concentrations in micrograms per liter (µg/L) = parts per billion (ppb). cVOCs = Sum of TCE, DCE & VC. ND = Not detected at or above the reporting limit. NR = Not Recorded. See laboratory analysis reports for qualifiers & all other parameters.				

TABLE 4
SUMMARY OF ANALYTICAL RESULTS - MONITORING WELLS

Monitoring Well	Date	TCE (µg/L)	DCE (µg/L)	VC (µg/L)
MW-1	3/14/2018	1.17	<0.50 ND	<0.50 ND
	10/5/2018	<0.50 ND	<0.50 ND	<0.50 ND
	5/3/2019	1.16	<1.00 ND	<1.00 ND
	9/23/2019	1.37	<1.00 ND	<1.00 ND
	3/30/2020	<1.00 ND	<1.00 ND	<1.00 ND
	11/11/2020	<1.00 ND	<1.00 ND	<1.00 ND
	3/23/2021	1.65	<1.00 ND	<1.00 ND
	6/22/2022	<1.00 ND	<1.00 ND	<1.00 ND
	5/23/2023	1.3	<1.0 ND	<1.0 ND
	7/11/2024	1.9	<1.0 ND	<1.0 ND
MW-2	3/14/2018	87.5	<0.50 ND	<0.50 ND
	10/5/2018	59.8	<0.50 ND	<0.50 ND
	5/3/2019	65.2	<1.00 ND	<1.00 ND
	9/23/2019	167	<1.00 ND	<1.00 ND
	3/30/2020	14.7	<1.00 ND	<1.00 ND
	11/11/2020	24.3	<1.00 ND	<1.00 ND
	3/23/2021	<1.00 ND	<1.00 ND	<1.00 ND
	6/22/2022	3.49	<1.00 ND	<1.00 ND
	5/23/2023	2.4	<1.0 ND	<1.0 ND
	7/11/2024	8.5	<1.0 ND	<1.0 ND
MW-3	3/14/2018	204	<0.50 ND	<0.50 ND
	10/5/2018	6.22	<0.50 ND	<0.50 ND
	5/3/2019	1.57	<1.00 ND	<1.00 ND
	9/23/2019	<1.00 ND	<1.00 ND	<1.00 ND
	3/30/2020	<1.00 ND	<1.00 ND	<1.00 ND
	11/11/2020	2.15	<1.00 ND	<1.00 ND
	3/23/2021	<1.00 ND	<1.00 ND	<1.00 ND
	6/22/2022	<1.00 ND	<1.00 ND	<1.00 ND
	5/23/2023	4.5	<1.0 ND	<1.0 ND
	7/11/2024	0.98 J	<1.0 ND	<1.0 ND
MW-4	3/14/2018	453	2.08	<0.50 ND
	10/5/2018	368	27.4	<0.50 ND
	5/3/2019	13.9	5.10	<1.00 ND
	9/23/2019	8.66	<1.00 ND	<1.00 ND
	3/30/2020	1.26	<1.00 ND	<1.00 ND
	11/11/2020	No Sample		
	3/23/2021	No Sample		
	6/22/2022	Well Destroyed		
MW-5	3/14/2018	4.29	<0.50 ND	<0.50 ND
	10/5/2018	5.55	<0.50 ND	<0.50 ND
	5/3/2019	2.23	<1.00 ND	<1.00 ND
	9/23/2019	1.86	<1.00 ND	<1.00 ND
	3/30/2020	1.32	<1.00 ND	<1.00 ND
	11/11/2020	3.68	<1.00 ND	<1.00 ND
	3/23/2021	2.72	<1.00 ND	<1.00 ND
	6/22/2022	No Access - Curb Box Full of Sand		

TABLE 4
SUMMARY OF ANALYTICAL RESULTS - MONITORING WELLS

Monitoring Well	Date	TCE (µg/L)	DCE (µg/L)	VC (µg/L)
	5/23/2023	1.3	<1.0 ND	<1.0 ND
	7/11/2024	1.0	<1.0 ND	<1.0 ND
MW-6	3/14/2018	599	<0.50 ND	<0.50 ND
	10/5/2018	586	<0.50 ND	<0.50 ND
	5/3/2019	No Sample - No Access - Equipment on Well		
	9/23/2019	5.95	<1.00 ND	<1.00 ND
	3/30/2020	No Sample - No Access		
	11/11/2020	2.73	<1.00 ND	<1.00 ND
	3/23/2021	No Sample		
	6/24/2022	1.17	<1.00 ND	<1.00 ND
	5/23/2023	No Sample - No Access - Equipment on Well		
	7/11/2024	0.68 J	<1.0 ND	<1.0 ND
MW-7	3/14/2018	43.9	0.586 J	<0.50 ND
	10/5/2018	45.1	0.808 J	<0.50 ND
	5/3/2019	118	2.00	<1.00 ND
	9/23/2019	Well Destroyed		
MW-7R	11/11/2020	326	56.9	<1.00 ND
	3/23/2021	203	67.4	2.64
	6/22/2022	265	28.0	<1.00 ND
	5/23/2023	470	21	<10 ND
	7/11/2024	660 F1	23	<10 ND
MW-15	3/14/2018	51.7	<0.50 ND	<0.50 ND
	10/5/2018	56.3	<0.50 ND	<0.50 ND
	5/3/2019	46.0	<1.00 ND	<1.00 ND
	9/23/2019	48.6	<1.00 ND	<1.00 ND
	3/30/2020	5.11	<1.00 ND	<1.00 ND
	11/11/2020	<1.00 ND	<1.00 ND	<1.00 ND
	3/23/2021	1.50	<1.00 ND	<1.00 ND
	6/22/2022	4.98	<1.00 ND	<1.00 ND
	5/23/2023	<1.0 ND	<1.0 ND	<1.0 ND
	7/11/2024	<1.0 ND	<1.0 ND	<1.0 ND
BR-1	3/14/2018	1,340	2.61	<0.50 ND
	10/5/2018	2,630	4.65	<0.50 ND
	5/14/2019	395	1.08	<1.00 ND
	9/9/2019	1,650	5.41	<1.00 ND
	3/23/2020	394	<2.00 ND	<2.00 ND
	11/3/2020	1,100	<10.0 ND	<10.0 ND
	3/5/2021	359	1.24	<1.00 ND
	6/27/2022	15.2	<1.00 ND	<1.00 ND
	5/23/2023	No Sample - System Down		
	7/11/2024	170	<5.0 ND	<5.0 ND
Notes:				
All concentrations in micrograms per liter (µg/L) = parts per billion (ppb).				
ND = Not detected at or above the reporting limit (RL).				
J = Analyte positively identified, but the concentration was below the RL.				
F1 = MS and/or MSD recovery exceeds control limits.				
Only TCE, DCE & VC included on table. See laboratory analysis for all other parameters and qualifiers.				

APPENDIX D
GROUNDWATER MONITORING WELL SAMPLING RECORDS

GROUNDWATER MONITORING WELL SAMPLING RECORD

FIELD PARAMETERS & LABORATORY ANALYSIS

PROJECT NO: 218010
SITE: 409 Commerce Road (Site No. V00138)
WELL: mw-1
SAMPLER: GeoLogic NY, PC: JAM
DATE(S): July 11, 2024

Purged
6 Dry dry

TOC Depth of Well (ft.)	29								
TOC Depth to GW (ft.)	6.92								
1 Well Volume (gal.)	3.5	10.6							
Volume Purged (fl. oz.)	0	1	3	5	7	9	10.6		
Purging Method	New/Dedicated Bailer or New/Dedicated tubing								
FIELD PARAMETERS:	Time								
	11:35	11:37	11:39	11:42	11:44				
Temperature (°C)	15.4	14.4	16.6	14.5	13.2				
Conductivity (mS/cm)	341	0.315	0.291	0.366	0.382				
Dissolved Oxygen (DO) (mg/L)	3.49	0.95	1.46	1.15	1.09				
pH	7.44	7.31	7.22	7.20	7.19				
Oxidation Reduction Potential (ORP)	20.1	-49.3	-38.3	-17.4	-16.5				
Turbidity (NTU)	13.42	8.95	18.94	38.22	42.99				
OBSERVATIONS									
Color	clear	clear	clear	cloudy	cloudy				
Sheen or Odor	NO	NO	NO	NO	NO				
LABORATORY ANALYSIS	TCL VOCs by EPA 8260					QA/QC			
Time Sampled	11:45					No			

Comments (including field procedures):

TOC = Top of Casing GW = Groundwater NA = Not Applicable NC = Not Collected

Field parameters were measured using a YSI ProDDS or similar with multi-parameter sonde.

New/dedicated polyethylene bailer or new/dedicated tubing was used to purge well.

The field parameters were measured by using YSI equipped with a flow cell.

Disposable gloves were worn by the sampler. Field parameter equipment was decontaminated between wells.

A minimum of 1 well volume was purged from the well and the field parameters stabilized prior to sample collection.

GROUNDWATER MONITORING WELL SAMPLING RECORD FIELD PARAMETERS & LABORATORY ANALYSIS

PROJECT NO: 218010
 SITE: 409 Commerce Road (Site No. V00138)
 WELL: MW2
 SAMPLER: GeoLogic NY, PC: JAM
 DATE(S): July 11, 2024

TOC Depth of Well (ft.)	29								
TOC Depth to GW (ft.)	5.98								
1 Well Volume (gal.)	3.7	11							
Volume Purged (fl. oz.)	10	2	4	6	8	10	11		
Purging Method	New/Dedicated Bailer or New/Dedicated tubing								
FIELD PARAMETERS:	Time								
	12:13	12:15	12:18	12:20	12:23	12:25	12:26		
Temperature (°C)	13.7	12.2	12.2	12.1	12.0	12.0	12.0		
Conductivity (mS/cm)	0.338	0.342	0.253	0.341	0.344	0.345	0.346		
Dissolved Oxygen (DO) (mg/L)	4.41	1.33	0.98	0.90	0.83	0.81	0.80		
pH	7.83	7.13	6.82	6.75	6.71	6.70	6.69		
Oxidation Reduction Potential (ORP)	77.3	89.2	92.5	86.4	67.5	60.2	58.9		
Turbidity (NTU)	30.24	17.05	7.21	3.85	2.52	2.53	2.45		
OBSERVATIONS									
Color	Rusty	clear	clear	clear	clear	clear			
Sheen or Odor	odor	NO	NO	NO	NO	NO			
LABORATORY ANALYSIS	TCL VOCs by EPA 8260						QA/QC		
Time Sampled	12:28						No		

Comments (including field procedures):

TOC = Top of Casing GW = Groundwater NA = Not Applicable NC = Not Collected

Field parameters were measured using a YSI ProDDS or similar with multi-parameter sonde.

New/dedicated polyethylene bailer or new/dedicated tubing was used to purge well.

The field parameters were measured by using YSI equipped with a flow cell.

Disposable gloves were worn by the sampler. Field parameter equipment was decontaminated between wells.

A minimum of 1 well volume was purged from the well and the field parameters stabilized prior to sample collection.

GROUNDWATER MONITORING WELL SAMPLING RECORD FIELD PARAMETERS & LABORATORY ANALYSIS

PROJECT NO: 218010
 SITE: 409 Commerce Road (Site No. V00138)
 WELL: MW-3
 SAMPLER: GeoLogic NY, PC: JAM
 DATE(S): July 11, 2024

TOC Depth of Well (ft.)	25									
TOC Depth to GW (ft.)	7.37									
1 Well Volume (gal.)	2.8	8.5								
Volume Purged (fl. oz.)	0	1	2	3	4	5	6	7	8	8.5
Purging Method	New/Dedicated Bailer or New/Dedicated tubing									
FIELD PARAMETERS:	Time									
	10:56	10:59	10:58	10:59	11:00	11:02	11:03	11:04	11:25	11:06
Temperature (°C)	12.5	12.7	13.1	13.3	13.1	12.6	12.5	12.4	12.4	12.4
Conductivity (mS/cm)	0.407	0.383	0.383	0.383	0.395	0.392	0.392	0.401	0.414	0.415
Dissolved Oxygen (DO) (mg/L)	5.02	3.29	3.00	3.12	3.54	4.17	4.31	4.22	3.74	3.92
pH	7.27	6.94	6.73	6.67	6.62	6.60	6.60	6.60	6.61	6.61
Oxidation Reduction Potential (ORP)	113.3	103.5	104.8	104.2	103.7	103.1	103.1	103.2	104.3	104.5
Turbidity (NTU)	20.21	8.63	11.00	10.01	23.75	25.37	50.44	68.73	91.13	98.38
OBSERVATIONS										
Color	cloudy	clear						cloudy	cloudy	cloudy
Sheen or Odor	NO	NO								
LABORATORY ANALYSIS	TCL VOCs by EPA 8260								QA/QC	
Time Sampled	11:15								No	

Comments (including field procedures):

TOC = Top of Casing GW = Groundwater NA = Not Applicable NC = Not Collected
 Field parameters were measured using a YSI ProDDS or similar with multi-parameter sonde.
 New/dedicated polyethylene bailer or new/dedicated tubing was used to purge well.
 The field parameters were measured by using YSI equipped with a flow cell.
 Disposable gloves were worn by the sampler. Field parameter equipment was decontaminated between wells.
 A minimum of 1 well volume was purged from the well and the field parameters stabilized prior to sample collection.

GROUNDWATER MONITORING WELL SAMPLING RECORD

FIELD PARAMETERS & LABORATORY ANALYSIS

PROJECT NO: 218010
 SITE: 409 Commerce Road (Site No. V00138)
 WELL: hW-15
 SAMPLER: GeoLogic NY, PC: JAM
 DATE(S): July 11, 2024

TOC Depth of Well (ft.)	27.1								
TOC Depth to GW (ft.)	12.47								
1 Well Volume (gal.)	2.5	7.5							
Volume Purged (fl. oz.)	0	1	2	3	4	5	6	7	7.5
Purging Method	New/Dedicated Bailer or New/Dedicated tubing								
FIELD PARAMETERS:	Time								
	9:10	9:11	9:13	9:15	9:16	9:17	9:19	9:20	
Temperature (°C)	14.4	11.9	12.0	12.3	12.4	12.4	12.5	12.5	12.4
Conductivity (mS/cm)	0.611	0.612	0.610	0.611	0.612	0.613	0.615	0.617	0.617
Dissolved Oxygen (DO) (mg/L)	5.22	2.53	1.32	1.22	1.21	1.39	1.98	2.56	2.88
pH	6.70	6.54	6.39	6.36	6.33	6.32	6.32	6.31	6.31
Oxidation Reduction Potential (ORP)	106.5	76.7	78.9	83.4	89.2	92.7	96.3	102.1	106.3
Turbidity (NTU)	137.08	162.1	86.01	73.22	51.01	38.01	29.04	22.76	18.57
OBSERVATIONS									
Color	cloudy	clear	clear	clear	clear	clear	clear	clear	clear
Sheen or Odor	NO	NO	NO	NO	NO	NO	NO	NO	NO
LABORATORY ANALYSIS	TCL VOCs by EPA 8260						QA/QC		
Time Sampled	9:25						No		

Comments (including field procedures):

TOC = Top of Casing GW = Groundwater NA = Not Applicable NC = Not Collected

Field parameters were measured using a YSI ProDDS or similar with multi-parameter sonde.

New/dedicated polyethylene bailer or new/dedicated tubing was used to purge well.

The field parameters were measured by using YSI equipped with a flow cell.

Disposable gloves were worn by the sampler. Field parameter equipment was decontaminated between wells.

A minimum of 1 well volume was purged from the well and the field parameters stabilized prior to sample collection.

APPENDIX E
LABORATORY ANALYSIS REPORTS

November 22, 2023

Geologic Project Managers
Geologic NY
37 copeland Avenue, PO Box 350
Homer, NY 13077

Project Location: NY
Client Job Number:
Project Number: 218010
Laboratory Work Order Number: 23K2276

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. 413/525-2332

Geologic NY
37 copeland Avenue, PO Box 350
Homer, NY 13077
ATTN: Geologic Project Managers

REPORT DATE: 11/22/2023

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 218010

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23K2276

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

PROJECT LOCATION: NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
System Influent	23K2276-01	Water		SW-846 8260D	
System Middle	23K2276-02	Water		SW-846 8260D	
System Effluent	23K2276-03	Water		SW-846 8260D	
Trip Blank	23K2276-04	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:****RL-11**

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23K2276-01[System 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:**n-Butylbenzene**

23K2276-01[System Influent], 23K2276-02[System Middle], 23K2276-03[System Effluent], 23K2276-04[Trip Blank], B358594-BLK1, B358594-BS1, B358594-BSD1, S096691-CCV1

trans-1,4-Dichloro-2-butene

23K2276-01[System Influent], 23K2276-02[System Middle], 23K2276-03[System Effluent], 23K2276-04[Trip Blank], B358594-BLK1, B358594-BS1, B358594-BSD1, S096691-CCV1

V-20

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

Analyte & Samples(s) Qualified:**1,1,2,2-Tetrachloroethane**

B358594-BS1, B358594-BSD1, S096691-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: NY

Sample Description:

Work Order: 23K2276

Date Received: 11/16/2023

Field Sample #: System Influent

Sampled: 11/14/2023 11:05

Sample ID: 23K2276-01

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Acrylonitrile	ND	10	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
tert-Amyl Methyl Ether (TAME)	ND	1.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Benzene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Bromobenzene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Bromochloromethane	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Bromodichloromethane	ND	1.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Bromoform	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Bromomethane	ND	4.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
2-Butanone (MEK)	ND	40	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
tert-Butyl Alcohol (TBA)	ND	40	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
n-Butylbenzene	ND	2.0	µg/L	2	V-05	SW-846 8260D	11/20/23	11/21/23 4:52	EEH
sec-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
tert-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Carbon Disulfide	ND	10	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Carbon Tetrachloride	ND	10	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Chlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Chlorodibromomethane	ND	1.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Chloroethane	ND	4.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Chloroform	ND	4.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Chloromethane	ND	4.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
2-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
4-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Dibromomethane	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,2-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,3-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,4-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
trans-1,4-Dichloro-2-butene	ND	4.0	µg/L	2	V-05	SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,1-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,2-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,1-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
cis-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
trans-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,3-Dichloropropane	ND	1.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
2,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,1-Dichloropropene	ND	4.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
cis-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
trans-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Diethyl Ether	ND	4.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH

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Project Location: NY

Sample Description:

Work Order: 23K2276

Date Received: 11/16/2023

Field Sample #: System Influent

Sampled: 11/14/2023 11:05

Sample ID: 23K2276-01

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	1.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,4-Dioxane	ND	100	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Ethylbenzene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Hexachlorobutadiene	ND	1.2	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
2-Hexanone (MBK)	ND	20	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Isopropylbenzene (Cumene)	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
p-Isopropyltoluene (p-Cymene)	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Methyl Acetate	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Methyl Cyclohexane	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Methylene Chloride	ND	10	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Naphthalene	ND	4.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
n-Propylbenzene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Styrene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Tetrachloroethylene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Tetrahydrofuran	ND	20	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Toluene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,2,3-Trichlorobenzene	ND	10	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,3,5-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,1,1-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,1,2-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Trichloroethylene	110	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,2,3-Trichloropropane	ND	4.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,2,4-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
1,3,5-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Vinyl Chloride	ND	4.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
m+p Xylene	ND	4.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
o-Xylene	ND	2.0	µg/L	2		SW-846 8260D	11/20/23	11/21/23 4:52	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	80.0	70-130							
Toluene-d8	101	70-130							
4-Bromofluorobenzene	102	70-130							

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Project Location: NY

Sample Description:

Work Order: 23K2276

Date Received: 11/16/2023

Field Sample #: System Middle

Sampled: 11/14/2023 11:00

Sample ID: 23K2276-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
n-Butylbenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	11/20/23	11/21/23 3:59	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH

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

Project Location: NY

Sample Description:

Work Order: 23K2276

Date Received: 11/16/2023

Field Sample #: System Middle

Sampled: 11/14/2023 11:00

Sample ID: 23K2276-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 3:59	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	80.4	70-130							
Toluene-d8	100	70-130							
4-Bromofluorobenzene	102	70-130							

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

Project Location: NY

Sample Description:

Work Order: 23K2276

Date Received: 11/16/2023

Field Sample #: System Effluent

Sampled: 11/14/2023 10:55

Sample ID: 23K2276-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
n-Butylbenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	11/20/23	11/21/23 4:26	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH

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

Project Location: NY

Sample Description:

Work Order: 23K2276

Date Received: 11/16/2023

Field Sample #: System Effluent

Sampled: 11/14/2023 10:55

Sample ID: 23K2276-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 4:26	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	81.2	70-130							
Toluene-d8	101	70-130							
4-Bromofluorobenzene	101	70-130							

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

Project Location: NY

Sample Description:

Work Order: 23K2276

Date Received: 11/16/2023

Field Sample #: Trip Blank

Sampled: 11/14/2023 00:00

Sample ID: 23K2276-04

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
n-Butylbenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	11/20/23	11/21/23 0:05	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH

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

Project Location: NY

Sample Description:

Work Order: 23K2276

Date Received: 11/16/2023

Field Sample #: Trip Blank

Sampled: 11/14/2023 00:00

Sample ID: 23K2276-04

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	11/20/23	11/21/23 0:05	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	86.0	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**Sample Extraction Data****Prep Method:SW-846 5030B Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23K2276-01 [System Influent]	B358594	2.5	5.00	11/20/23
23K2276-02 [System Middle]	B358594	5	5.00	11/20/23
23K2276-03 [System Effluent]	B358594	5	5.00	11/20/23
23K2276-04 [Trip Blank]	B358594	5	5.00	11/20/23

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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 Limits	RPD	RPD Limit	Notes

Batch B358594 - SW-846 5030B
Blank (B358594-BLK1)

Prepared & Analyzed: 11/20/23

Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	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							
n-Butylbenzene	ND	1.0	µg/L							V-05
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	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							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	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							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							V-05
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							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	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 B358594 - SW-846 5030B
Blank (B358594-BLK1)

Prepared & Analyzed: 11/20/23

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							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	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							
1,3,5-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							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	20.7		µg/L	25.0		82.8	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			

LCS (B358594-BS1)

Prepared & Analyzed: 11/20/23

Acetone	91.0	50	µg/L	100		91.0	70-160			†
Acrylonitrile	10.0	5.0	µg/L	10.0		100	70-130			
tert-Amyl Methyl Ether (TAME)	9.92	0.50	µg/L	10.0		99.2	70-130			
Benzene	10.3	1.0	µg/L	10.0		103	70-130			
Bromobenzene	9.75	1.0	µg/L	10.0		97.5	70-130			
Bromochloromethane	10.7	1.0	µg/L	10.0		107	70-130			
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130			
Bromoform	10.9	1.0	µg/L	10.0		109	70-130			
Bromomethane	9.74	2.0	µg/L	10.0		97.4	40-160			†
2-Butanone (MEK)	98.3	20	µg/L	100		98.3	40-160			†
tert-Butyl Alcohol (TBA)	97.8	20	µg/L	100		97.8	40-160			†
n-Butylbenzene	7.74	1.0	µg/L	10.0		77.4	70-130			V-05
sec-Butylbenzene	8.25	1.0	µg/L	10.0		82.5	70-130			
tert-Butylbenzene	8.57	1.0	µg/L	10.0		85.7	70-130			
tert-Butyl Ethyl Ether (TBEE)	9.35	0.50	µg/L	10.0		93.5	70-130			
Carbon Disulfide	116	5.0	µg/L	100		116	70-130			
Carbon Tetrachloride	9.94	5.0	µg/L	10.0		99.4	70-130			
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
Chlorodibromomethane	10.9	0.50	µg/L	10.0		109	70-130			
Chloroethane	11.0	2.0	µg/L	10.0		110	70-130			
Chloroform	10.2	2.0	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 B358594 - SW-846 5030B										
LCS (B358594-BS1)				Prepared & Analyzed: 11/20/23						
Chloromethane	9.55	2.0	µg/L	10.0		95.5	40-160			†
2-Chlorotoluene	9.22	1.0	µg/L	10.0		92.2	70-130			
4-Chlorotoluene	9.39	1.0	µg/L	10.0		93.9	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.52	5.0	µg/L	10.0		95.2	70-130			
1,2-Dibromoethane (EDB)	11.8	0.50	µg/L	10.0		118	70-130			
Dibromomethane	11.2	1.0	µg/L	10.0		112	70-130			
1,2-Dichlorobenzene	9.48	1.0	µg/L	10.0		94.8	70-130			
1,3-Dichlorobenzene	9.06	1.0	µg/L	10.0		90.6	70-130			
1,4-Dichlorobenzene	8.95	1.0	µg/L	10.0		89.5	70-130			
trans-1,4-Dichloro-2-butene	7.53	2.0	µg/L	10.0		75.3	70-130			V-05
Dichlorodifluoromethane (Freon 12)	10.8	2.0	µg/L	10.0		108	40-160			†
1,1-Dichloroethane	9.89	1.0	µg/L	10.0		98.9	70-130			
1,2-Dichloroethane	9.96	1.0	µg/L	10.0		99.6	70-130			
1,1-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
cis-1,2-Dichloroethylene	9.46	1.0	µg/L	10.0		94.6	70-130			
trans-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130			
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	70-130			
1,3-Dichloropropane	10.9	0.50	µg/L	10.0		109	70-130			
2,2-Dichloropropane	8.65	1.0	µg/L	10.0		86.5	40-130			†
1,1-Dichloropropene	10.0	2.0	µg/L	10.0		100	70-130			
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130			
trans-1,3-Dichloropropene	10.0	0.50	µg/L	10.0		100	70-130			
Diethyl Ether	9.93	2.0	µg/L	10.0		99.3	70-130			
Diisopropyl Ether (DIPE)	8.74	0.50	µg/L	10.0		87.4	70-130			
1,4-Dioxane	103	50	µg/L	100		103	40-130			†
Ethylbenzene	9.92	1.0	µg/L	10.0		99.2	70-130			
Hexachlorobutadiene	8.33	0.60	µg/L	10.0		83.3	70-130			
2-Hexanone (MBK)	105	10	µg/L	100		105	70-160			†
Isopropylbenzene (Cumene)	9.60	1.0	µg/L	10.0		96.0	70-130			
p-Isopropyltoluene (p-Cymene)	8.28	1.0	µg/L	10.0		82.8	70-130			
Methyl Acetate	10.7	1.0	µg/L	10.0		107	70-130			
Methyl tert-Butyl Ether (MTBE)	10.0	1.0	µg/L	10.0		100	70-130			
Methyl Cyclohexane	10.2	1.0	µg/L	10.0		102	70-130			
Methylene Chloride	8.85	5.0	µg/L	10.0		88.5	70-130			
4-Methyl-2-pentanone (MIBK)	106	10	µg/L	100		106	70-160			†
Naphthalene	8.93	2.0	µg/L	10.0		89.3	40-130			†
n-Propylbenzene	9.54	1.0	µg/L	10.0		95.4	70-130			
Styrene	10.3	1.0	µg/L	10.0		103	70-130			
1,1,1,2-Tetrachloroethane	10.1	1.0	µg/L	10.0		101	70-130			
1,1,2,2-Tetrachloroethane	11.8	0.50	µg/L	10.0		118	70-130			V-20
Tetrachloroethylene	11.5	1.0	µg/L	10.0		115	70-130			
Tetrahydrofuran	9.30	10	µg/L	10.0		93.0	70-130			
Toluene	10.6	1.0	µg/L	10.0		106	70-130			
1,2,3-Trichlorobenzene	9.79	5.0	µg/L	10.0		97.9	70-130			
1,2,4-Trichlorobenzene	9.30	1.0	µg/L	10.0		93.0	70-130			
1,3,5-Trichlorobenzene	8.82	1.0	µg/L	10.0		88.2	70-130			
1,1,1-Trichloroethane	10.0	1.0	µg/L	10.0		100	70-130			
1,1,2-Trichloroethane	11.6	1.0	µg/L	10.0		116	70-130			
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
Trichlorofluoromethane (Freon 11)	11.2	2.0	µg/L	10.0		112	70-130			
1,2,3-Trichloropropane	11.4	2.0	µg/L	10.0		114	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 B358594 - SW-846 5030B										
LCS (B358594-BS1)										
Prepared & Analyzed: 11/20/23										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	1.0	µg/L	10.0		109	70-130			
1,2,4-Trimethylbenzene	8.48	1.0	µg/L	10.0		84.8	70-130			
1,3,5-Trimethylbenzene	9.43	1.0	µg/L	10.0		94.3	70-130			
Vinyl Chloride	11.1	2.0	µg/L	10.0		111	40-160			†
m+p Xylene	19.4	2.0	µg/L	20.0		97.0	70-130			
o-Xylene	9.73	1.0	µg/L	10.0		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	20.2		µg/L	25.0		80.8	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 (B358594-BSD1)										
Prepared & Analyzed: 11/20/23										
Acetone	94.2	50	µg/L	100		94.2	70-160	3.41	25	†
Acrylonitrile	10.2	5.0	µg/L	10.0		102	70-130	2.17	25	
tert-Amyl Methyl Ether (TAME)	9.69	0.50	µg/L	10.0		96.9	70-130	2.35	25	
Benzene	10.6	1.0	µg/L	10.0		106	70-130	2.69	25	
Bromobenzene	9.64	1.0	µg/L	10.0		96.4	70-130	1.13	25	
Bromochloromethane	10.9	1.0	µg/L	10.0		109	70-130	1.48	25	
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130	0.388	25	
Bromoform	10.5	1.0	µg/L	10.0		105	70-130	3.56	25	
Bromomethane	11.6	2.0	µg/L	10.0		116	40-160	17.6	25	†
2-Butanone (MEK)	100	20	µg/L	100		100	40-160	1.93	25	†
tert-Butyl Alcohol (TBA)	102	20	µg/L	100		102	40-160	3.89	25	†
n-Butylbenzene	8.00	1.0	µg/L	10.0		80.0	70-130	3.30	25	V-05
sec-Butylbenzene	8.44	1.0	µg/L	10.0		84.4	70-130	2.28	25	
tert-Butylbenzene	8.77	1.0	µg/L	10.0		87.7	70-130	2.31	25	
tert-Butyl Ethyl Ether (TBEE)	9.30	0.50	µg/L	10.0		93.0	70-130	0.536	25	
Carbon Disulfide	119	5.0	µg/L	100		119	70-130	2.59	25	
Carbon Tetrachloride	9.87	5.0	µg/L	10.0		98.7	70-130	0.707	25	
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	0.195	25	
Chlorodibromomethane	10.9	0.50	µg/L	10.0		109	70-130	0.367	25	
Chloroethane	11.1	2.0	µg/L	10.0		111	70-130	0.999	25	
Chloroform	10.3	2.0	µg/L	10.0		103	70-130	1.18	25	
Chloromethane	9.59	2.0	µg/L	10.0		95.9	40-160	0.418	25	†
2-Chlorotoluene	9.57	1.0	µg/L	10.0		95.7	70-130	3.73	25	
4-Chlorotoluene	9.41	1.0	µg/L	10.0		94.1	70-130	0.213	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.81	5.0	µg/L	10.0		98.1	70-130	3.00	25	
1,2-Dibromoethane (EDB)	11.8	0.50	µg/L	10.0		118	70-130	0.509	25	
Dibromomethane	11.3	1.0	µg/L	10.0		113	70-130	1.42	25	
1,2-Dichlorobenzene	9.50	1.0	µg/L	10.0		95.0	70-130	0.211	25	
1,3-Dichlorobenzene	9.13	1.0	µg/L	10.0		91.3	70-130	0.770	25	
1,4-Dichlorobenzene	9.15	1.0	µg/L	10.0		91.5	70-130	2.21	25	
trans-1,4-Dichloro-2-butene	7.50	2.0	µg/L	10.0		75.0	70-130	0.399	25	V-05
Dichlorodifluoromethane (Freon 12)	11.2	2.0	µg/L	10.0		112	40-160	3.09	25	†
1,1-Dichloroethane	9.88	1.0	µg/L	10.0		98.8	70-130	0.101	25	
1,2-Dichloroethane	9.88	1.0	µg/L	10.0		98.8	70-130	0.806	25	
1,1-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	0.595	25	
cis-1,2-Dichloroethylene	9.55	1.0	µg/L	10.0		95.5	70-130	0.947	25	
trans-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	1.39	25	
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130	1.33	25	
1,3-Dichloropropane	11.0	0.50	µg/L	10.0		110	70-130	0.911	25	
2,2-Dichloropropane	8.49	1.0	µg/L	10.0		84.9	40-130	1.87	25	†
1,1-Dichloropropene	10.2	2.0	µg/L	10.0		102	70-130	1.39	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 B358594 - SW-846 5030B										
LCS Dup (B358594-BSD1)				Prepared & Analyzed: 11/20/23						
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	0.592	25	
trans-1,3-Dichloropropene	9.91	0.50	µg/L	10.0		99.1	70-130	1.00	25	
Diethyl Ether	10.2	2.0	µg/L	10.0		102	70-130	2.88	25	
Diisopropyl Ether (DIPE)	9.11	0.50	µg/L	10.0		91.1	70-130	4.15	25	
1,4-Dioxane	102	50	µg/L	100		102	40-130	0.166	50	† ‡
Ethylbenzene	10.0	1.0	µg/L	10.0		100	70-130	1.00	25	
Hexachlorobutadiene	8.58	0.60	µg/L	10.0		85.8	70-130	2.96	25	
2-Hexanone (MBK)	108	10	µg/L	100		108	70-160	2.97	25	†
Isopropylbenzene (Cumene)	9.85	1.0	µg/L	10.0		98.5	70-130	2.57	25	
p-Isopropyltoluene (p-Cymene)	8.47	1.0	µg/L	10.0		84.7	70-130	2.27	25	
Methyl Acetate	10.8	1.0	µg/L	10.0		108	70-130	1.49	25	
Methyl tert-Butyl Ether (MTBE)	9.94	1.0	µg/L	10.0		99.4	70-130	1.00	25	
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130	3.27	25	
Methylene Chloride	8.86	5.0	µg/L	10.0		88.6	70-130	0.113	25	
4-Methyl-2-pentanone (MIBK)	109	10	µg/L	100		109	70-160	2.39	25	†
Naphthalene	9.13	2.0	µg/L	10.0		91.3	40-130	2.21	25	†
n-Propylbenzene	9.60	1.0	µg/L	10.0		96.0	70-130	0.627	25	
Styrene	10.3	1.0	µg/L	10.0		103	70-130	0.0972	25	
1,1,1,2-Tetrachloroethane	10.4	1.0	µg/L	10.0		104	70-130	3.03	25	
1,1,2,2-Tetrachloroethane	11.9	0.50	µg/L	10.0		119	70-130	0.845	25	V-20
Tetrachloroethylene	11.5	1.0	µg/L	10.0		115	70-130	0.696	25	
Tetrahydrofuran	9.45	10	µg/L	10.0		94.5	70-130	1.60	25	
Toluene	10.6	1.0	µg/L	10.0		106	70-130	0.378	25	
1,2,3-Trichlorobenzene	10.1	5.0	µg/L	10.0		101	70-130	2.72	25	
1,2,4-Trichlorobenzene	9.47	1.0	µg/L	10.0		94.7	70-130	1.81	25	
1,3,5-Trichlorobenzene	9.11	1.0	µg/L	10.0		91.1	70-130	3.23	25	
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	5.24	25	
1,1,2-Trichloroethane	11.5	1.0	µg/L	10.0		115	70-130	1.13	25	
Trichloroethylene	10.7	1.0	µg/L	10.0		107	70-130	2.17	25	
Trichlorofluoromethane (Freon 11)	10.8	2.0	µg/L	10.0		108	70-130	3.56	25	
1,2,3-Trichloropropane	11.1	2.0	µg/L	10.0		111	70-130	3.03	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.9	1.0	µg/L	10.0		119	70-130	8.71	25	
1,2,4-Trimethylbenzene	8.69	1.0	µg/L	10.0		86.9	70-130	2.45	25	
1,3,5-Trimethylbenzene	9.55	1.0	µg/L	10.0		95.5	70-130	1.26	25	
Vinyl Chloride	11.4	2.0	µg/L	10.0		114	40-160	2.22	25	†
m+p Xylene	19.7	2.0	µg/L	20.0		98.4	70-130	1.48	25	
o-Xylene	9.86	1.0	µg/L	10.0		98.6	70-130	1.33	25	
Surrogate: 1,2-Dichloroethane-d4	21.0		µg/L	25.0		83.8	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	25.2		µg/L	25.0		101	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.
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>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,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
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	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
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,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
trans-1,4-Dichloro-2-butene	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
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	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>	
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,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
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	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
1,3,5-Trichlorobenzene	ME
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
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,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

CHAIN-OF-CUSTODY / Analytical Request Document

23/12276

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Required Client Information:

Company: **GeoLogic NY, P.C.**

Address: **PO Box 350**
Homer, NY 13077

Email To: **geologicny@geologic.net**

Phone: **607-749-5000** Fax: **607-749-5063**

Requested Due Date/TAT: **Standard**

Section B

Required Project Information:

Report To: **Same**

Copy To:

Purchase Order No.:

Project Name: **Winatic**

Project Number: **218010**

Section C

Invoice Information:

Attention:

Company Name: **GeoLogic**

Address:

Pace Quote Reference:

Pace Project Manager:

Pace Profile #:

Page: **1** of **1**

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☒ OTHER

Site Location: **NY**

STATE: **NY**

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N ↑	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
							COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		EPA Method 8260	Target Compound List																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
Trip Blank for lab use : No Charge		<i>Joseph Menzel</i> GeoLogic		11/14/23	13:00	GeoLogic Sample Frig		11/14/23	13:00				
		<i>GeoLogic Sample Frig</i>		11/15/23	1000A	<i>Joe Menzel</i>		11/15/23	1000A				
		<i>Ryan</i>		11/15	1720	<i>Joe Menzel</i>		11-16-23	0727	2.9	4	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: **Joseph Menzel**

SIGNATURE of SAMPLER: *Joseph Menzel*

DATE Signed (MM/DD/YY): **11/14/23**

Temp in °C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 60 days.

	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client Secor, L
 Project Winetite
 MCP/RCP Required NA
 Deliverable Package Requirement NA
 Location NA
 PWSID# (When Applicable) NA
 Arrival Method:
 Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐
 Received By / Date / Time Ann L. 11/16/23 1331
 Back-Sheet By / Date / Time LA 11/16/23 1334
 Temperature Method gsm # 5
 Temp < 6° C Actual Temperature 2.0
 Rush Samples: Yes ☒ No ☐ Notify
 Short Hold: Yes ☐ No ☒ Notify

Notes regarding Samples/COC outside of SOP:

The Blank Received box not on 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:	<u>N/A</u> ☐	☐

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Vials	(Circle Amb/Clear)	16oz Amb/Clear																					
		8oz Amb/Clear																					
		4oz Amb/Clear																					
		2oz Amb/Clear																					
		Unpreserved																					
Bottles	1 Liter	HCL																					
		Sulfuric																					
		Sulfuric																					
	250mL	Phosphoric																					
		HCl																					
Plastics	100mL	Unpreserved																					
	1 Liter	Unpreserved																					
		Sulfuric																					
	500mL	Unpreserved																					
		Sulfuric																					
VOA Vials		Unpreserved																					
		Trizma																					
		Sulfuric																					
		Nitric																					
		NaOH																					
Other / Fill in		Ammonium Acetate																					
		NaOH/Zinc																					
		Unpreserved																					
		HCl																					
		MeOH																					

January 24, 2024

Geologic Project Managers
Geologic NY
37 copeland Avenue, PO Box 350
Homer, NY 13077

Project Location: NY
Client Job Number:
Project Number: 218010
Laboratory Work Order Number: 24A1780

Enclosed are results of analyses for samples as received by the laboratory on January 19, 2024. 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. 413/525-2332

Geologic NY
37 copeland Avenue, PO Box 350
Homer, NY 13077
ATTN: Geologic Project Managers

REPORT DATE: 1/24/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 218010

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24A1780

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

PROJECT LOCATION: NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
System Influent	24A1780-01	Water		SW-846 8260D	
System Middle	24A1780-02	Water		SW-846 8260D	
System Effluent	24A1780-03	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.

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:**Hexachlorobutadiene**B363921-BS1, B363921-BSD1, S099521-CCV1

L-04

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

Analyte & Samples(s) Qualified:**Carbon Disulfide**24A1780-01[System Influent], 24A1780-02[System Middle], 24A1780-03[System Effluent], B363921-BLK1, B363921-BS1, B363921-BSD1, S099521-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:**Carbon Disulfide**

24A1780-01[System Influent], 24A1780-02[System Middle], 24A1780-03[System Effluent], B363921-BLK1, B363921-BS1, B363921-BSD1, S099521-CCV1

Naphthalene

24A1780-01[System Influent], 24A1780-02[System Middle], 24A1780-03[System Effluent], B363921-BLK1, B363921-BS1, B363921-BSD1, S099521-CCV1

tert-Butyl Alcohol (TBA)

24A1780-01[System Influent], 24A1780-02[System Middle], 24A1780-03[System Effluent], B363921-BLK1, B363921-BS1, B363921-BSD1, S099521-CCV1

trans-1,4-Dichloro-2-butene24A1780-01[System Influent], 24A1780-02[System Middle], 24A1780-03[System Effluent], B363921-BLK1, B363921-BS1, B363921-BSD1, S099521-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-Dichloroethane**

B363921-BS1, B363921-BSD1, S099521-CCV1

Hexachlorobutadiene

B363921-BS1, B363921-BSD1, S099521-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: NY

Sample Description:

Work Order: 24A1780

Date Received: 1/19/2024

Field Sample #: System Influent

Sampled: 1/17/2024 13:10

Sample ID: 24A1780-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	1/22/24	1/23/24 15:43	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Carbon Disulfide	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH

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

Project Location: NY

Sample Description:

Work Order: 24A1780

Date Received: 1/19/2024

Field Sample #: System Influent

Sampled: 1/17/2024 13:10

Sample ID: 24A1780-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	1/22/24	1/23/24 15:43	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Trichloroethylene	20	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:43	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	111	70-130							
Toluene-d8	95.3	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: NY

Sample Description:

Work Order: 24A1780

Date Received: 1/19/2024

Field Sample #: System Middle

Sampled: 1/17/2024 13:05

Sample ID: 24A1780-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	1/22/24	1/23/24 15:16	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Carbon Disulfide	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
cis-1,2-Dichloroethylene	6.1	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH

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

Project Location: NY

Sample Description:

Work Order: 24A1780

Date Received: 1/19/2024

Field Sample #: System Middle

Sampled: 1/17/2024 13:05

Sample ID: 24A1780-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	1/22/24	1/23/24 15:16	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Trichloroethylene	2.8	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 15:16	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	109	70-130							
Toluene-d8	96.2	70-130							
4-Bromofluorobenzene	86.3	70-130							

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

Project Location: NY

Sample Description:

Work Order: 24A1780

Date Received: 1/19/2024

Field Sample #: System Effluent

Sampled: 1/17/2024 13:00

Sample ID: 24A1780-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	1/22/24	1/23/24 14:49	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Carbon Disulfide	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH

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Project Location: NY

Sample Description:

Work Order: 24A1780

Date Received: 1/19/2024

Field Sample #: System Effluent

Sampled: 1/17/2024 13:00

Sample ID: 24A1780-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	1/22/24	1/23/24 14:49	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	1/22/24	1/23/24 14:49	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	109	70-130							
Toluene-d8	93.3	70-130							
4-Bromofluorobenzene	82.3	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
24A1780-01 [System Influent]	B363921	5	5.00	01/22/24
24A1780-02 [System Middle]	B363921	5	5.00	01/22/24
24A1780-03 [System Effluent]	B363921	5	5.00	01/22/24

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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 B363921 - SW-846 5030B
Blank (B363921-BLK1)

Prepared: 01/22/24 Analyzed: 01/23/24

Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	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
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							L-04, V-05
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							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	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							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							V-05
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							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	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 B363921 - SW-846 5030B
Blank (B363921-BLK1)

Prepared: 01/22/24 Analyzed: 01/23/24

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							
Naphthalene	ND	2.0	µg/L							V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	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							
1,3,5-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							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	27.0		µg/L	25.0		108	70-130			
Surrogate: Toluene-d8	24.3		µg/L	25.0		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	21.1		µg/L	25.0		84.5	70-130			

LCS (B363921-BS1)

Prepared: 01/22/24 Analyzed: 01/23/24

Acetone	89.3	50	µg/L	100		89.3	70-160			†
Acrylonitrile	8.13	5.0	µg/L	10.0		81.3	70-130			
tert-Amyl Methyl Ether (TAME)	8.57	0.50	µg/L	10.0		85.7	70-130			
Benzene	9.03	1.0	µg/L	10.0		90.3	70-130			
Bromobenzene	9.98	1.0	µg/L	10.0		99.8	70-130			
Bromochloromethane	9.40	1.0	µg/L	10.0		94.0	70-130			
Bromodichloromethane	10.9	0.50	µg/L	10.0		109	70-130			
Bromoform	9.00	1.0	µg/L	10.0		90.0	70-130			
Bromomethane	9.51	2.0	µg/L	10.0		95.1	40-160			†
2-Butanone (MEK)	90.8	20	µg/L	100		90.8	40-160			†
tert-Butyl Alcohol (TBA)	74.3	20	µg/L	100		74.3	40-160			V-05 †
n-Butylbenzene	8.95	1.0	µg/L	10.0		89.5	70-130			
sec-Butylbenzene	9.58	1.0	µg/L	10.0		95.8	70-130			
tert-Butylbenzene	9.69	1.0	µg/L	10.0		96.9	70-130			
tert-Butyl Ethyl Ether (TBEE)	8.99	0.50	µg/L	10.0		89.9	70-130			
Carbon Disulfide	49.4	5.0	µg/L	100		49.4	* 70-130			L-04, V-05
Carbon Tetrachloride	10.7	5.0	µg/L	10.0		107	70-130			
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108	70-130			
Chloroethane	7.35	2.0	µg/L	10.0		73.5	70-130			
Chloroform	9.96	2.0	µg/L	10.0		99.6	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B363921 - SW-846 5030B										
LCS (B363921-BS1)										
Prepared: 01/22/24 Analyzed: 01/23/24										
Chloromethane	7.26	2.0	µg/L	10.0		72.6	40-160			†
2-Chlorotoluene	9.51	1.0	µg/L	10.0		95.1	70-130			
4-Chlorotoluene	9.74	1.0	µg/L	10.0		97.4	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.49	5.0	µg/L	10.0		94.9	70-130			
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130			
Dibromomethane	10.7	1.0	µg/L	10.0		107	70-130			
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,3-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,4-Dichlorobenzene	9.47	1.0	µg/L	10.0		94.7	70-130			
trans-1,4-Dichloro-2-butene	7.69	2.0	µg/L	10.0		76.9	70-130			V-05
Dichlorodifluoromethane (Freon 12)	10.0	2.0	µg/L	10.0		100	40-160			†
1,1-Dichloroethane	8.97	1.0	µg/L	10.0		89.7	70-130			
1,2-Dichloroethane	11.6	1.0	µg/L	10.0		116	70-130			V-20
1,1-Dichloroethylene	8.22	1.0	µg/L	10.0		82.2	70-130			
cis-1,2-Dichloroethylene	9.21	1.0	µg/L	10.0		92.1	70-130			
trans-1,2-Dichloroethylene	8.20	1.0	µg/L	10.0		82.0	70-130			
1,2-Dichloropropane	10.2	1.0	µg/L	10.0		102	70-130			
1,3-Dichloropropane	10.4	0.50	µg/L	10.0		104	70-130			
2,2-Dichloropropane	9.90	1.0	µg/L	10.0		99.0	40-130			†
1,1-Dichloropropene	9.17	2.0	µg/L	10.0		91.7	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			
Diethyl Ether	8.36	2.0	µg/L	10.0		83.6	70-130			
Diisopropyl Ether (DIPE)	9.12	0.50	µg/L	10.0		91.2	70-130			
1,4-Dioxane	87.6	50	µg/L	100		87.6	40-130			†
Ethylbenzene	9.84	1.0	µg/L	10.0		98.4	70-130			
Hexachlorobutadiene	13.3	0.60	µg/L	10.0		133	* 70-130			L-02, V-20
2-Hexanone (MBK)	88.6	10	µg/L	100		88.6	70-160			†
Isopropylbenzene (Cumene)	9.38	1.0	µg/L	10.0		93.8	70-130			
p-Isopropyltoluene (p-Cymene)	9.62	1.0	µg/L	10.0		96.2	70-130			
Methyl Acetate	9.24	1.0	µg/L	10.0		92.4	70-130			
Methyl tert-Butyl Ether (MTBE)	8.91	1.0	µg/L	10.0		89.1	70-130			
Methyl Cyclohexane	8.82	1.0	µg/L	10.0		88.2	70-130			
Methylene Chloride	8.37	5.0	µg/L	10.0		83.7	70-130			
4-Methyl-2-pentanone (MIBK)	92.9	10	µg/L	100		92.9	70-160			†
Naphthalene	5.52	2.0	µg/L	10.0		55.2	40-130			V-05 †
n-Propylbenzene	9.10	1.0	µg/L	10.0		91.0	70-130			
Styrene	9.30	1.0	µg/L	10.0		93.0	70-130			
1,1,1,2-Tetrachloroethane	11.5	1.0	µg/L	10.0		115	70-130			
1,1,2,2-Tetrachloroethane	8.77	0.50	µg/L	10.0		87.7	70-130			
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
Tetrahydrofuran	9.09	10	µg/L	10.0		90.9	70-130			
Toluene	9.83	1.0	µg/L	10.0		98.3	70-130			
1,2,3-Trichlorobenzene	8.55	5.0	µg/L	10.0		85.5	70-130			
1,2,4-Trichlorobenzene	7.97	1.0	µg/L	10.0		79.7	70-130			
1,3,5-Trichlorobenzene	9.77	1.0	µg/L	10.0		97.7	70-130			
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
Trichlorofluoromethane (Freon 11)	10.1	2.0	µg/L	10.0		101	70-130			
1,2,3-Trichloropropane	11.2	2.0	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 B363921 - SW-846 5030B										
LCS (B363921-BS1)										
Prepared: 01/22/24 Analyzed: 01/23/24										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.95	1.0	µg/L	10.0		89.5	70-130			
1,2,4-Trimethylbenzene	10.0	1.0	µg/L	10.0		100	70-130			
1,3,5-Trimethylbenzene	9.58	1.0	µg/L	10.0		95.8	70-130			
Vinyl Chloride	8.26	2.0	µg/L	10.0		82.6	40-160			†
m+p Xylene	19.6	2.0	µg/L	20.0		97.8	70-130			
o-Xylene	9.41	1.0	µg/L	10.0		94.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	26.7		µg/L	25.0		107	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	23.6		µg/L	25.0		94.2	70-130			
LCS Dup (B363921-BS1)										
Prepared: 01/22/24 Analyzed: 01/23/24										
Acetone	88.7	50	µg/L	100		88.7	70-160	0.686	25	†
Acrylonitrile	7.46	5.0	µg/L	10.0		74.6	70-130	8.60	25	
tert-Amyl Methyl Ether (TAME)	9.20	0.50	µg/L	10.0		92.0	70-130	7.09	25	
Benzene	9.29	1.0	µg/L	10.0		92.9	70-130	2.84	25	
Bromobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.89	25	
Bromochloromethane	9.76	1.0	µg/L	10.0		97.6	70-130	3.76	25	
Bromodichloromethane	11.5	0.50	µg/L	10.0		115	70-130	5.00	25	
Bromoform	9.54	1.0	µg/L	10.0		95.4	70-130	5.83	25	
Bromomethane	9.36	2.0	µg/L	10.0		93.6	40-160	1.59	25	†
2-Butanone (MEK)	87.5	20	µg/L	100		87.5	40-160	3.72	25	†
tert-Butyl Alcohol (TBA)	70.4	20	µg/L	100		70.4	40-160	5.39	25	†
n-Butylbenzene	9.26	1.0	µg/L	10.0		92.6	70-130	3.40	25	
sec-Butylbenzene	9.60	1.0	µg/L	10.0		96.0	70-130	0.209	25	
tert-Butylbenzene	9.87	1.0	µg/L	10.0		98.7	70-130	1.84	25	
tert-Butyl Ethyl Ether (TBEE)	9.12	0.50	µg/L	10.0		91.2	70-130	1.44	25	
Carbon Disulfide	51.0	5.0	µg/L	100		51.0 *	70-130	3.25	25	L-04, V-05
Carbon Tetrachloride	11.1	5.0	µg/L	10.0		111	70-130	3.66	25	
Chlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	0.681	25	
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107	70-130	0.747	25	
Chloroethane	7.62	2.0	µg/L	10.0		76.2	70-130	3.61	25	
Chloroform	10.3	2.0	µg/L	10.0		103	70-130	3.26	25	
Chloromethane	7.76	2.0	µg/L	10.0		77.6	40-160	6.66	25	†
2-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130	6.81	25	
4-Chlorotoluene	9.93	1.0	µg/L	10.0		99.3	70-130	1.93	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.73	5.0	µg/L	10.0		97.3	70-130	2.50	25	
1,2-Dibromoethane (EDB)	9.78	0.50	µg/L	10.0		97.8	70-130	4.60	25	
Dibromomethane	10.3	1.0	µg/L	10.0		103	70-130	3.63	25	
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	2.30	25	
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	1.92	25	
1,4-Dichlorobenzene	9.86	1.0	µg/L	10.0		98.6	70-130	4.04	25	
trans-1,4-Dichloro-2-butene	7.22	2.0	µg/L	10.0		72.2	70-130	6.30	25	V-05
Dichlorodifluoromethane (Freon 12)	10.5	2.0	µg/L	10.0		105	40-160	4.20	25	†
1,1-Dichloroethane	9.36	1.0	µg/L	10.0		93.6	70-130	4.26	25	
1,2-Dichloroethane	12.0	1.0	µg/L	10.0		120	70-130	2.71	25	V-20
1,1-Dichloroethylene	8.60	1.0	µg/L	10.0		86.0	70-130	4.52	25	
cis-1,2-Dichloroethylene	9.58	1.0	µg/L	10.0		95.8	70-130	3.94	25	
trans-1,2-Dichloroethylene	8.50	1.0	µg/L	10.0		85.0	70-130	3.59	25	
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130	1.85	25	
1,3-Dichloropropane	10.3	0.50	µg/L	10.0		103	70-130	0.679	25	
2,2-Dichloropropane	10.2	1.0	µg/L	10.0		102	40-130	3.08	25	†
1,1-Dichloropropene	9.45	2.0	µg/L	10.0		94.5	70-130	3.01	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 B363921 - SW-846 5030B										
LCS Dup (B363921-BSD1)					Prepared: 01/22/24 Analyzed: 01/23/24					
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130	0.287	25	
trans-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130	2.84	25	
Diethyl Ether	8.43	2.0	µg/L	10.0		84.3	70-130	0.834	25	
Diisopropyl Ether (DIPE)	9.26	0.50	µg/L	10.0		92.6	70-130	1.52	25	
1,4-Dioxane	82.8	50	µg/L	100		82.8	40-130	5.72	50	† ‡
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130	5.73	25	
Hexachlorobutadiene	13.6	0.60	µg/L	10.0		136 *	70-130	2.67	25	L-02, V-20
2-Hexanone (MBK)	85.2	10	µg/L	100		85.2	70-160	3.81	25	†
Isopropylbenzene (Cumene)	9.70	1.0	µg/L	10.0		97.0	70-130	3.35	25	
p-Isopropyltoluene (p-Cymene)	10.0	1.0	µg/L	10.0		100	70-130	4.37	25	
Methyl Acetate	9.31	1.0	µg/L	10.0		93.1	70-130	0.755	25	
Methyl tert-Butyl Ether (MTBE)	9.10	1.0	µg/L	10.0		91.0	70-130	2.11	25	
Methyl Cyclohexane	8.81	1.0	µg/L	10.0		88.1	70-130	0.113	25	
Methylene Chloride	8.30	5.0	µg/L	10.0		83.0	70-130	0.840	25	
4-Methyl-2-pentanone (MIBK)	90.6	10	µg/L	100		90.6	70-160	2.44	25	†
Naphthalene	5.18	2.0	µg/L	10.0		51.8	40-130	6.36	25	V-05 †
n-Propylbenzene	9.57	1.0	µg/L	10.0		95.7	70-130	5.03	25	
Styrene	9.69	1.0	µg/L	10.0		96.9	70-130	4.11	25	
1,1,1,2-Tetrachloroethane	11.8	1.0	µg/L	10.0		118	70-130	2.49	25	
1,1,2,2-Tetrachloroethane	9.34	0.50	µg/L	10.0		93.4	70-130	6.29	25	
Tetrachloroethylene	11.3	1.0	µg/L	10.0		113	70-130	7.92	25	
Tetrahydrofuran	8.09	10	µg/L	10.0		80.9	70-130	11.6	25	
Toluene	10.2	1.0	µg/L	10.0		102	70-130	4.18	25	
1,2,3-Trichlorobenzene	8.25	5.0	µg/L	10.0		82.5	70-130	3.57	25	
1,2,4-Trichlorobenzene	7.58	1.0	µg/L	10.0		75.8	70-130	5.02	25	
1,3,5-Trichlorobenzene	9.70	1.0	µg/L	10.0		97.0	70-130	0.719	25	
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130	5.03	25	
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	2.67	25	
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	1.24	25	
Trichlorofluoromethane (Freon 11)	10.5	2.0	µg/L	10.0		105	70-130	3.97	25	
1,2,3-Trichloropropane	11.7	2.0	µg/L	10.0		117	70-130	4.63	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.36	1.0	µg/L	10.0		93.6	70-130	4.48	25	
1,2,4-Trimethylbenzene	9.65	1.0	µg/L	10.0		96.5	70-130	3.66	25	
1,3,5-Trimethylbenzene	10.1	1.0	µg/L	10.0		101	70-130	5.19	25	
Vinyl Chloride	8.52	2.0	µg/L	10.0		85.2	40-160	3.10	25	†
m+p Xylene	20.6	2.0	µg/L	20.0		103	70-130	5.08	25	
o-Xylene	9.78	1.0	µg/L	10.0		97.8	70-130	3.86	25	
Surrogate: 1,2-Dichloroethane-d4	26.9		µg/L	25.0		108	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	23.7		µg/L	25.0		94.7	70-130			

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.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,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
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	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
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,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
trans-1,4-Dichloro-2-butene	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
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	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>	
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,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
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	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
1,3,5-Trichlorobenzene	ME
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
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,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	12/14/2024

24A1780

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Required Client Information:

Company: GeoLogic NY, P.C.
Address: PO Box 350
Homer, NY 13077
Email To: geologicny@geologic.net
Phone: 607-749-5000 Fax: 607-749-5063
Requested Due Date/TAT: Standard

Section B

Required Project Information:

Report To: Same
Copy To:
Purchase Order No.:
Project Name: Winatic
Project Number: 218010

Section C

Invoice Information:

Attention:
Company Name: GeoLogic
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

Page: 1 of 1

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER

Site Location
STATE: NY

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID OL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
							COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		EPA Method 8260	Target Compound List																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Trip Black for lab use : No Charge	GeoLogic Sample Frig	1/18/24	7:30	GeoLogic Sample Frig	1/18/24	7:30				
	GeoLogic Sample Frig	1/18/24	1352	GeoLogic Sample Frig	1/18/24	1352				
	GeoLogic Sample Frig	1/18	1700	GeoLogic Sample Frig	1/18/24	950				
	GeoLogic Sample Frig	1/19/24	9:50	GeoLogic Sample Frig						

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joseph Menzel
SIGNATURE of SAMPLER: [Signature]
DATE Signed (MM/DD/YY): 1/17/24

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.



DC#_ Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

Sample		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Soils Jars	(Circle Amb/Clear)	16oz Amb/Clear																			
		8oz Amb/Clear																			
		4oz Amb/Clear																			
		2oz Amb/Clear																			
		Unpreserved																			
Ambers	1 Liter	HCL																			
		Sulfuric																			
	250ml	Phosphoric																			
	100ml	HCl																			
		Unpreserved																			
Plastics	1 Liter	Unpreserved																			
	500ml	Sulfuric																			
		Unpreserved																			
		Unpreserved																			
		Trizma																			
VOA Vials		Sulfuric																			
		Nitric																			
		NaOH																			
		Ammonium Acetate																			
		NaOH/Zinc																			
Other / Fill in		Unpreserved																			
		HCl																			
		MeOH																			
		D.I. Water																			
		BiSulfate																			

February 19, 2024

Geologic Project Managers
Geologic NY
37 copeland Avenue, PO Box 350
Homer, NY 13077

Project Location: Winatic
Client Job Number:
Project Number: 218010
Laboratory Work Order Number: 24B1505

Enclosed are results of analyses for samples as received by the laboratory on February 15, 2024. 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. 413/525-2332

Geologic NY
37 copeland Avenue, PO Box 350
Homer, NY 13077
ATTN: Geologic Project Managers

REPORT DATE: 2/19/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 218010

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24B1505

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

PROJECT LOCATION: Winatic

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
System Influent	24B1505-01	Water		SW-846 8260D	
System Middle	24B1505-02	Water		SW-846 8260D	
System Effluent	24B1505-03	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:**

V-35

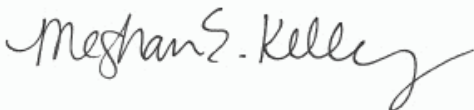
Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:**Methyl Acetate**

B366081-BS1, B366081-BSD1, S100573-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: Winatic

Sample Description:

Work Order: 24B1505

Date Received: 2/15/2024

Field Sample #: System Influent

Sampled: 2/13/2024 15:15

Sample ID: 24B1505-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
cis-1,2-Dichloroethylene	2.3	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH

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

Project Location: Winatic

Sample Description:

Work Order: 24B1505

Date Received: 2/15/2024

Field Sample #: System Influent

Sampled: 2/13/2024 15:15

Sample ID: 24B1505-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Trichloroethylene	130	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 13:58	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	108	70-130							
Toluene-d8	102	70-130							
4-Bromofluorobenzene	100	70-130							

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

Project Location: Winatic

Sample Description:

Work Order: 24B1505

Date Received: 2/15/2024

Field Sample #: System Middle

Sampled: 2/13/2024 15:20

Sample ID: 24B1505-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH

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

Project Location: Winatic

Sample Description:

Work Order: 24B1505

Date Received: 2/15/2024

Field Sample #: System Middle

Sampled: 2/13/2024 15:20

Sample ID: 24B1505-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 11:49	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	108	70-130							
Toluene-d8	99.8	70-130							
4-Bromofluorobenzene	102	70-130							

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

Project Location: Winatic

Sample Description:

Work Order: 24B1505

Date Received: 2/15/2024

Field Sample #: System Effluent

Sampled: 2/13/2024 15:30

Sample ID: 24B1505-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH

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

Project Location: Winatic

Sample Description:

Work Order: 24B1505

Date Received: 2/15/2024

Field Sample #: System Effluent

Sampled: 2/13/2024 15:30

Sample ID: 24B1505-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/16/24	2/16/24 12:15	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	107	70-130							
Toluene-d8	102	70-130							
4-Bromofluorobenzene	100	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
24B1505-01 [System Influent]	B366081	5	5.00	02/16/24
24B1505-02 [System Middle]	B366081	5	5.00	02/16/24
24B1505-03 [System Effluent]	B366081	5	5.00	02/16/24

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 B366081 - SW-846 5030B
Blank (B366081-BLK1)

Prepared & Analyzed: 02/16/24

Acetone	ND	50	µg/L
Acrylonitrile	ND	5.0	µg/L
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L
Benzene	ND	1.0	µg/L
Bromobenzene	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
n-Butylbenzene	ND	1.0	µg/L
sec-Butylbenzene	ND	1.0	µg/L
tert-Butylbenzene	ND	1.0	µg/L
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	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
2-Chlorotoluene	ND	1.0	µg/L
4-Chlorotoluene	ND	1.0	µg/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
1,2-Dibromoethane (EDB)	ND	0.50	µg/L
Dibromomethane	ND	1.0	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
trans-1,4-Dichloro-2-butene	ND	2.0	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
1,3-Dichloropropane	ND	0.50	µg/L
2,2-Dichloropropane	ND	1.0	µg/L
1,1-Dichloropropene	ND	2.0	µg/L
cis-1,3-Dichloropropene	ND	0.50	µg/L
trans-1,3-Dichloropropene	ND	0.50	µg/L
Diethyl Ether	ND	2.0	µg/L
Diisopropyl Ether (DIPE)	ND	0.50	µg/L
1,4-Dioxane	ND	50	µg/L
Ethylbenzene	ND	1.0	µg/L
Hexachlorobutadiene	ND	0.60	µg/L
2-Hexanone (MBK)	ND	10	µg/L
Isopropylbenzene (Cumene)	ND	1.0	µg/L
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L
Methyl Acetate	ND	1.0	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 B366081 - SW-846 5030B
Blank (B366081-BLK1)

Prepared & Analyzed: 02/16/24

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							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	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							
1,3,5-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							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	26.8		µg/L	25.0		107	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.2		µg/L	25.0		101	70-130			

LCS (B366081-BS1)

Prepared & Analyzed: 02/16/24

Acetone	112	50	µg/L	100		112	70-160			†
Acrylonitrile	10.6	5.0	µg/L	10.0		106	70-130			
tert-Amyl Methyl Ether (TAME)	10.6	0.50	µg/L	10.0		106	70-130			
Benzene	10.6	1.0	µg/L	10.0		106	70-130			
Bromobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Bromochloromethane	10.6	1.0	µg/L	10.0		106	70-130			
Bromodichloromethane	10.4	0.50	µg/L	10.0		104	70-130			
Bromoform	10.2	1.0	µg/L	10.0		102	70-130			
Bromomethane	11.1	2.0	µg/L	10.0		111	40-160			†
2-Butanone (MEK)	109	20	µg/L	100		109	40-160			†
tert-Butyl Alcohol (TBA)	111	20	µg/L	100		111	40-160			†
n-Butylbenzene	10.9	1.0	µg/L	10.0		109	70-130			
sec-Butylbenzene	10.7	1.0	µg/L	10.0		107	70-130			
tert-Butylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
tert-Butyl Ethyl Ether (TBEE)	10.7	0.50	µg/L	10.0		107	70-130			
Carbon Disulfide	100	5.0	µg/L	100		100	70-130			
Carbon Tetrachloride	11.0	5.0	µg/L	10.0		110	70-130			
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Chlorodibromomethane	10.5	0.50	µg/L	10.0		105	70-130			
Chloroethane	10.8	2.0	µg/L	10.0		108	70-130			
Chloroform	10.8	2.0	µg/L	10.0		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 B366081 - SW-846 5030B										
LCS (B366081-BS1)				Prepared & Analyzed: 02/16/24						
Chloromethane	9.74	2.0	µg/L	10.0		97.4	40-160			†
2-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130			
4-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.4	5.0	µg/L	10.0		104	70-130			
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130			
Dibromomethane	10.5	1.0	µg/L	10.0		105	70-130			
1,2-Dichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
1,3-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
trans-1,4-Dichloro-2-butene	9.88	2.0	µg/L	10.0		98.8	70-130			
Dichlorodifluoromethane (Freon 12)	10.6	2.0	µg/L	10.0		106	40-160			†
1,1-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130			
1,2-Dichloroethane	9.43	1.0	µg/L	10.0		94.3	70-130			
1,1-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130			
cis-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
trans-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
1,2-Dichloropropane	10.1	1.0	µg/L	10.0		101	70-130			
1,3-Dichloropropane	10.3	0.50	µg/L	10.0		103	70-130			
2,2-Dichloropropane	11.0	1.0	µg/L	10.0		110	40-130			†
1,1-Dichloropropene	10.7	2.0	µg/L	10.0		107	70-130			
cis-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130			
trans-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130			
Diethyl Ether	11.1	2.0	µg/L	10.0		111	70-130			
Diisopropyl Ether (DIPE)	10.6	0.50	µg/L	10.0		106	70-130			
1,4-Dioxane	100	50	µg/L	100		100	40-130			†
Ethylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
Hexachlorobutadiene	11.0	0.60	µg/L	10.0		110	70-130			
2-Hexanone (MBK)	111	10	µg/L	100		111	70-160			†
Isopropylbenzene (Cumene)	10.8	1.0	µg/L	10.0		108	70-130			
p-Isopropyltoluene (p-Cymene)	10.8	1.0	µg/L	10.0		108	70-130			
Methyl Acetate	10.0	1.0	µg/L	10.0		100	70-130			V-35
Methyl tert-Butyl Ether (MTBE)	10.7	1.0	µg/L	10.0		107	70-130			
Methyl Cyclohexane	10.1	1.0	µg/L	10.0		101	70-130			
Methylene Chloride	9.91	5.0	µg/L	10.0		99.1	70-130			
4-Methyl-2-pentanone (MIBK)	110	10	µg/L	100		110	70-160			†
Naphthalene	10.6	2.0	µg/L	10.0		106	40-130			†
n-Propylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
Styrene	10.7	1.0	µg/L	10.0		107	70-130			
1,1,1,2-Tetrachloroethane	10.5	1.0	µg/L	10.0		105	70-130			
1,1,2,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106	70-130			
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Tetrahydrofuran	10.6	10	µg/L	10.0		106	70-130			
Toluene	10.5	1.0	µg/L	10.0		105	70-130			
1,2,3-Trichlorobenzene	10.4	5.0	µg/L	10.0		104	70-130			
1,2,4-Trichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
1,3,5-Trichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,1,1-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130			
Trichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Trichlorofluoromethane (Freon 11)	11.1	2.0	µg/L	10.0		111	70-130			
1,2,3-Trichloropropane	11.2	2.0	µg/L	10.0		112	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 B366081 - SW-846 5030B										
LCS (B366081-BS1)										
Prepared & Analyzed: 02/16/24										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.0		110	70-130			
1,2,4-Trimethylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
1,3,5-Trimethylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
Vinyl Chloride	10.6	2.0	µg/L	10.0		106	40-160			†
m+p Xylene	21.7	2.0	µg/L	20.0		109	70-130			
o-Xylene	10.9	1.0	µg/L	10.0		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	26.2		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.0		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	25.6		µg/L	25.0		102	70-130			
LCS Dup (B366081-BSD1)										
Prepared & Analyzed: 02/16/24										
Acetone	104	50	µg/L	100		104	70-160	7.23	25	†
Acrylonitrile	10.0	5.0	µg/L	10.0		100	70-130	5.34	25	
tert-Amyl Methyl Ether (TAME)	10.6	0.50	µg/L	10.0		106	70-130	0.189	25	
Benzene	10.6	1.0	µg/L	10.0		106	70-130	0.0945	25	
Bromobenzene	10.7	1.0	µg/L	10.0		107	70-130	0.753	25	
Bromochloromethane	10.7	1.0	µg/L	10.0		107	70-130	1.41	25	
Bromodichloromethane	11.0	0.50	µg/L	10.0		110	70-130	5.15	25	
Bromoform	10.3	1.0	µg/L	10.0		103	70-130	0.975	25	
Bromomethane	10.7	2.0	µg/L	10.0		107	40-160	4.04	25	†
2-Butanone (MEK)	101	20	µg/L	100		101	40-160	7.63	25	†
tert-Butyl Alcohol (TBA)	98.8	20	µg/L	100		98.8	40-160	11.4	25	†
n-Butylbenzene	11.0	1.0	µg/L	10.0		110	70-130	1.09	25	
sec-Butylbenzene	11.0	1.0	µg/L	10.0		110	70-130	2.77	25	
tert-Butylbenzene	11.0	1.0	µg/L	10.0		110	70-130	1.10	25	
tert-Butyl Ethyl Ether (TBEE)	10.6	0.50	µg/L	10.0		106	70-130	0.847	25	
Carbon Disulfide	103	5.0	µg/L	100		103	70-130	2.55	25	
Carbon Tetrachloride	11.1	5.0	µg/L	10.0		111	70-130	0.995	25	
Chlorobenzene	10.7	1.0	µg/L	10.0		107	70-130	0.562	25	
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107	70-130	2.55	25	
Chloroethane	10.6	2.0	µg/L	10.0		106	70-130	1.22	25	
Chloroform	11.3	2.0	µg/L	10.0		113	70-130	4.52	25	
Chloromethane	10.6	2.0	µg/L	10.0		106	40-160	8.08	25	†
2-Chlorotoluene	10.5	1.0	µg/L	10.0		105	70-130	1.82	25	
4-Chlorotoluene	10.6	1.0	µg/L	10.0		106	70-130	1.52	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.90	5.0	µg/L	10.0		99.0	70-130	5.12	25	
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130	3.49	25	
Dibromomethane	10.7	1.0	µg/L	10.0		107	70-130	2.16	25	
1,2-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	1.42	25	
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	2.97	25	
1,4-Dichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130	3.53	25	
trans-1,4-Dichloro-2-butene	10.0	2.0	µg/L	10.0		100	70-130	1.51	25	
Dichlorodifluoromethane (Freon 12)	10.9	2.0	µg/L	10.0		109	40-160	2.33	25	†
1,1-Dichloroethane	10.9	1.0	µg/L	10.0		109	70-130	1.95	25	
1,2-Dichloroethane	9.87	1.0	µg/L	10.0		98.7	70-130	4.56	25	
1,1-Dichloroethylene	11.5	1.0	µg/L	10.0		115	70-130	5.93	25	
cis-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130	1.66	25	
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	1.36	25	
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130	4.91	25	
1,3-Dichloropropane	10.6	0.50	µg/L	10.0		106	70-130	2.58	25	
2,2-Dichloropropane	11.2	1.0	µg/L	10.0		112	40-130	1.53	25	†
1,1-Dichloropropene	10.8	2.0	µg/L	10.0		108	70-130	1.21	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 B366081 - SW-846 5030B										
LCS Dup (B366081-BSD1)				Prepared & Analyzed: 02/16/24						
cis-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130	1.22	25	
trans-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130	3.76	25	
Diethyl Ether	11.1	2.0	µg/L	10.0		111	70-130	0.361	25	
Diisopropyl Ether (DIPE)	10.7	0.50	µg/L	10.0		107	70-130	1.41	25	
1,4-Dioxane	93.1	50	µg/L	100		93.1	40-130	7.44	50	† ‡
Ethylbenzene	10.7	1.0	µg/L	10.0		107	70-130	0.464	25	
Hexachlorobutadiene	10.9	0.60	µg/L	10.0		109	70-130	0.822	25	
2-Hexanone (MBK)	105	10	µg/L	100		105	70-160	5.48	25	†
Isopropylbenzene (Cumene)	11.1	1.0	µg/L	10.0		111	70-130	3.01	25	
p-Isopropyltoluene (p-Cymene)	10.9	1.0	µg/L	10.0		109	70-130	0.368	25	
Methyl Acetate	9.75	1.0	µg/L	10.0		97.5	70-130	2.63	25	V-35
Methyl tert-Butyl Ether (MTBE)	10.7	1.0	µg/L	10.0		107	70-130	0.654	25	
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130	4.72	25	
Methylene Chloride	10.1	5.0	µg/L	10.0		101	70-130	1.50	25	
4-Methyl-2-pentanone (MIBK)	106	10	µg/L	100		106	70-160	4.00	25	†
Naphthalene	10.4	2.0	µg/L	10.0		104	40-130	1.90	25	†
n-Propylbenzene	11.1	1.0	µg/L	10.0		111	70-130	2.19	25	
Styrene	10.8	1.0	µg/L	10.0		108	70-130	0.744	25	
1,1,1,2-Tetrachloroethane	10.6	1.0	µg/L	10.0		106	70-130	1.13	25	
1,1,2,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106	70-130	0.377	25	
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130	0.376	25	
Tetrahydrofuran	9.48	10	µg/L	10.0		94.8	70-130	11.2	25	
Toluene	10.8	1.0	µg/L	10.0		108	70-130	2.63	25	
1,2,3-Trichlorobenzene	10.4	5.0	µg/L	10.0		104	70-130	0.192	25	
1,2,4-Trichlorobenzene	10.9	1.0	µg/L	10.0		109	70-130	1.94	25	
1,3,5-Trichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	1.15	25	
1,1,1-Trichloroethane	11.2	1.0	µg/L	10.0		112	70-130	3.46	25	
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130	4.40	25	
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	6.29	25	
Trichlorofluoromethane (Freon 11)	11.4	2.0	µg/L	10.0		114	70-130	2.84	25	
1,2,3-Trichloropropane	10.9	2.0	µg/L	10.0		109	70-130	2.36	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2	1.0	µg/L	10.0		112	70-130	1.53	25	
1,2,4-Trimethylbenzene	10.9	1.0	µg/L	10.0		109	70-130	0.739	25	
1,3,5-Trimethylbenzene	10.9	1.0	µg/L	10.0		109	70-130	1.01	25	
Vinyl Chloride	11.0	2.0	µg/L	10.0		110	40-160	3.34	25	†
m+p Xylene	22.0	2.0	µg/L	20.0		110	70-130	1.28	25	
o-Xylene	11.1	1.0	µg/L	10.0		111	70-130	2.18	25	
Surrogate: 1,2-Dichloroethane-d4	26.1		µg/L	25.0		104	70-130			
Surrogate: Toluene-d8	25.5		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	25.6		µg/L	25.0		102	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.
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.

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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
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,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
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	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
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,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
trans-1,4-Dichloro-2-butene	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
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	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>	
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,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
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	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
1,3,5-Trichlorobenzene	ME
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
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,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	02/5/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

24BISUS

W.M.

Page: 1 of 1

Section A

Required Client Information:

Company: GeoLogic NY, P.C.

Address: PO Box 350

City: Homer, NY 13077

Email To: geologicny@geologic.net

Phone: 607-749-5000

Fax: 607-749-5063

Requested Due Date/TAT: Standard

Section B

Required Project Information:

Report To: Same

Copy To:

Purchase Order No.:

Project Name: Winatic

Project Number: 218010

Section C

Invoice Information:

Attention:

Company Name: GeoLogic

Address:

Pace Quote Reference:

Pace Project Manager:

Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☒ OTHER

Site Location

STATE: NY

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other	Analysis Test ↑ Y/N	EPA Method 8260 X	Target Compound List	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.	
					COMPOSITE START	COMPOSITE END/GRAB										DATE
1	System Influent		WT	G			02/13/24	15:15								
2	System Middle		WT	G			02/13/24	15:20								
3	System Effluent		WT	G			02/13/24	15:30								
4																
5																
6																
7																
8																
9																
10																
11																
12																

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
Trip Black for lab use : No Charge		Joseph Menzel / GeoLogic	2/14/24	11:40	Pace, Drops off	2/14/24	11:40	Received on	Temp in °C	Sealed Cooler	Custody	Samples Intact
		Joseph Menzel	2/14	12:30	GeoLogic	2/15/24	7:30		20			

SAMPLER NAME AND SIGNATURE		DATE SIGNED (MM/DD/YY)
PRINT Name of SAMPLER: Joseph Menzel		2/13/24
SIGNATURE of SAMPLER: Joseph Menzel		

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.08, 12-Oct-2007

	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

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 Geologic
Project Winnu+sc
MCP/RCP Required MA
Deliverable Package Requirement MA
Location MA
PWSID# (When Applicable) N/A
Arrival Method:
Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐
Received By / Date / Time 2A 2/15/24 TSJ
Back-Sheet By / Date / Time JA 2/15/24 TSJ
Temperature Method IR # 6
Temp ☒ < 6°C Actual Temperature 2.0
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	☐	☒
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]

March 12, 2024

Geologic Project Managers
Geologic NY
37 Copeland Avenue, PO Box 350
Homer, NY 13077

Project Location: NY
Client Job Number:
Project Number: 218010
Laboratory Work Order Number: 24C0739

Enclosed are results of analyses for samples as received by the laboratory on March 7, 2024. 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. 413/525-2332

Geologic NY
37 Copeland Avenue, PO Box 350
Homer, NY 13077
ATTN: Geologic Project Managers

REPORT DATE: 3/12/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 218010

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24C0739

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

PROJECT LOCATION: NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
System Influent	24C0739-01	Water		SW-846 8260D	
System Middle	24C0739-02	Water		SW-846 8260D	
System Effluent	24C0739-03	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:**

V-20

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

Analyte & Samples(s) Qualified:**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**

S101499-CCV1

Methyl Acetate

S101499-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: NY

Sample Description:

Work Order: 24C0739

Date Received: 3/7/2024

Field Sample #: System Influent

Sampled: 3/5/2024 13:10

Sample ID: 24C0739-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD

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

Project Location: NY

Sample Description:

Work Order: 24C0739

Date Received: 3/7/2024

Field Sample #: System Influent

Sampled: 3/5/2024 13:10

Sample ID: 24C0739-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Trichloroethylene	120	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 17:20	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	94.7	70-130	
Toluene-d8	99.2	70-130	
4-Bromofluorobenzene	103	70-130	

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

Project Location: NY

Sample Description:

Work Order: 24C0739

Date Received: 3/7/2024

Field Sample #: System Middle

Sampled: 3/5/2024 13:05

Sample ID: 24C0739-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD

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

Project Location: NY

Sample Description:

Work Order: 24C0739

Date Received: 3/7/2024

Field Sample #: System Middle

Sampled: 3/5/2024 13:05

Sample ID: 24C0739-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 13:00	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	94.4	70-130	
Toluene-d8	98.2	70-130	
4-Bromofluorobenzene	102	70-130	

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

Project Location: NY

Sample Description:

Work Order: 24C0739

Date Received: 3/7/2024

Field Sample #: System Effluent

Sampled: 3/5/2024 12:55

Sample ID: 24C0739-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD

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

Project Location: NY

Sample Description:

Work Order: 24C0739

Date Received: 3/7/2024

Field Sample #: System Effluent

Sampled: 3/5/2024 12:55

Sample ID: 24C0739-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	3/7/24	3/8/24 12:08	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	94.9	70-130	
Toluene-d8	99.2	70-130	
4-Bromofluorobenzene	103	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
24C0739-01 [System Influent]	B367854	5	5.00	03/07/24
24C0739-02 [System Middle]	B367854	5	5.00	03/07/24
24C0739-03 [System Effluent]	B367854	5	5.00	03/07/24

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 B367854 - SW-846 5030B
Blank (B367854-BLK1)

Prepared: 03/07/24 Analyzed: 03/08/24

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 B367854 - SW-846 5030B										
Blank (B367854-BLK1)										
Prepared: 03/07/24 Analyzed: 03/08/24										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.6		µg/L	25.0		94.2	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.7	70-130			
Surrogate: 4-Bromofluorobenzene	25.8		µg/L	25.0		103	70-130			
LCS (B367854-BS1)										
Prepared: 03/07/24 Analyzed: 03/08/24										
Acetone	102	50	µg/L	100		102	70-160			†
Benzene	10.5	1.0	µg/L	10.0		105	70-130			
Bromochloromethane	11.4	1.0	µg/L	10.0		114	70-130			
Bromodichloromethane	10.9	0.50	µg/L	10.0		109	70-130			
Bromoform	10.5	1.0	µg/L	10.0		105	70-130			
Bromomethane	9.86	2.0	µg/L	10.0		98.6	40-160			†
2-Butanone (MEK)	101	20	µg/L	100		101	40-160			†
Carbon Disulfide	97.3	5.0	µg/L	100		97.3	70-130			
Carbon Tetrachloride	97.3	5.0	µg/L	10.0		97.3	70-130			
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
Chlorodibromomethane	11.1	0.50	µg/L	10.0		111	70-130			
Chloroethane	10.3	2.0	µg/L	10.0		103	70-130			
Chloroform	10.8	2.0	µg/L	10.0		108	70-130			
Chloromethane	9.62	2.0	µg/L	10.0		96.2	40-160			†
Cyclohexane	9.88	5.0	µg/L	10.0		98.8	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.52	5.0	µg/L	10.0		95.2	70-130			
1,2-Dibromoethane (EDB)	11.7	0.50	µg/L	10.0		117	70-130			
1,2-Dichlorobenzene	9.96	1.0	µg/L	10.0		99.6	70-130			
1,3-Dichlorobenzene	9.96	1.0	µg/L	10.0		99.6	70-130			
1,4-Dichlorobenzene	9.62	1.0	µg/L	10.0		96.2	70-130			
Dichlorodifluoromethane (Freon 12)	10.6	2.0	µg/L	10.0		106	40-160			†
1,1-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130			
1,2-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
1,1-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
cis-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	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	10.9	0.50	µg/L	10.0		109	70-130			
1,4-Dioxane	96.3	50	µg/L	100		96.3	40-130			†
Ethylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
2-Hexanone (MBK)	104	10	µg/L	100		104	70-160			†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130			
Methyl Acetate	12.5	1.0	µg/L	10.0		125	70-130			
Methyl tert-Butyl Ether (MTBE)	10.6	1.0	µg/L	10.0		106	70-130			
Methyl Cyclohexane	11.7	1.0	µg/L	10.0		117	70-130			
Methylene Chloride	9.59	5.0	µg/L	10.0		95.9	70-130			
4-Methyl-2-pentanone (MIBK)	105	10	µg/L	100		105	70-160			†
Styrene	10.7	1.0	µg/L	10.0		107	70-130			
1,1,2,2-Tetrachloroethane	11.2	0.50	µg/L	10.0		112	70-130			
Tetrachloroethylene	11.7	1.0	µg/L	10.0		117	70-130			
Toluene	10.7	1.0	µg/L	10.0		107	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	10.5	1.0	µg/L	10.0		105	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 B367854 - SW-846 5030B										
LCS (B367854-BS1)										
Prepared: 03/07/24 Analyzed: 03/08/24										
1,1,2-Trichloroethane	11.4	1.0	µg/L	10.0		114	70-130			
Trichloroethylene	11.4	1.0	µg/L	10.0		114	70-130			
Trichlorofluoromethane (Freon 11)	10.8	2.0	µg/L	10.0		108	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.3	1.0	µg/L	10.0		123	70-130			
Vinyl Chloride	10.4	2.0	µg/L	10.0		104	40-160			†
m+p Xylene	20.6	2.0	µg/L	20.0		103	70-130			
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130			
Xylenes (total)	30.8	1.0	µg/L	30.0		103	0-200			
Surrogate: 1,2-Dichloroethane-d4	23.2		µg/L	25.0		93.0	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	26.2		µg/L	25.0		105	70-130			
LCS Dup (B367854-BSD1)										
Prepared: 03/07/24 Analyzed: 03/08/24										
Acetone	104	50	µg/L	100		104	70-160	2.09	25	†
Benzene	10.6	1.0	µg/L	10.0		106	70-130	0.950	25	
Bromochloromethane	11.2	1.0	µg/L	10.0		112	70-130	2.30	25	
Bromodichloromethane	10.7	0.50	µg/L	10.0		107	70-130	2.22	25	
Bromoform	10.8	1.0	µg/L	10.0		108	70-130	2.53	25	
Bromomethane	10.9	2.0	µg/L	10.0		109	40-160	9.74	25	†
2-Butanone (MEK)	103	20	µg/L	100		103	40-160	2.20	25	†
Carbon Disulfide	99.2	5.0	µg/L	100		99.2	70-130	1.87	25	
Carbon Tetrachloride	10.4	5.0	µg/L	10.0		104	70-130	6.18	25	
Chlorobenzene	10.7	1.0	µg/L	10.0		107	70-130	1.79	25	
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107	70-130	3.30	25	
Chloroethane	10.9	2.0	µg/L	10.0		109	70-130	5.94	25	
Chloroform	11.0	2.0	µg/L	10.0		110	70-130	2.11	25	
Chloromethane	9.70	2.0	µg/L	10.0		97.0	40-160	0.828	25	†
Cyclohexane	10.3	5.0	µg/L	10.0		103	70-130	4.16	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.35	5.0	µg/L	10.0		93.5	70-130	1.80	25	
1,2-Dibromoethane (EDB)	11.6	0.50	µg/L	10.0		116	70-130	0.858	25	
1,2-Dichlorobenzene	9.86	1.0	µg/L	10.0		98.6	70-130	1.01	25	
1,3-Dichlorobenzene	9.99	1.0	µg/L	10.0		99.9	70-130	0.301	25	
1,4-Dichlorobenzene	9.91	1.0	µg/L	10.0		99.1	70-130	2.97	25	
Dichlorodifluoromethane (Freon 12)	10.6	2.0	µg/L	10.0		106	40-160	0.0943	25	†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130	3.39	25	
1,2-Dichloroethane	11.0	1.0	µg/L	10.0		110	70-130	4.38	25	
1,1-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	1.63	25	
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	2.97	25	
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	2.00	25	
1,2-Dichloropropane	11.0	1.0	µg/L	10.0		110	70-130	2.76	25	
cis-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130	2.68	25	
trans-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130	2.22	25	
1,4-Dioxane	106	50	µg/L	100		106	40-130	9.12	50	† ‡
Ethylbenzene	10.9	1.0	µg/L	10.0		109	70-130	3.93	25	
2-Hexanone (MBK)	106	10	µg/L	100		106	70-160	2.15	25	†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130	1.93	25	
Methyl Acetate	13.0	1.0	µg/L	10.0		130	70-130	4.32	25	
Methyl tert-Butyl Ether (MTBE)	10.4	1.0	µg/L	10.0		104	70-130	1.71	25	
Methyl Cyclohexane	11.9	1.0	µg/L	10.0		119	70-130	1.52	25	
Methylene Chloride	9.50	5.0	µg/L	10.0		95.0	70-130	0.943	25	
4-Methyl-2-pentanone (MIBK)	106	10	µg/L	100		106	70-160	1.59	25	†
Styrene	10.7	1.0	µg/L	10.0		107	70-130	0.374	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 B367854 - SW-846 5030B										
LCS Dup (B367854-BSD1)										
Prepared: 03/07/24 Analyzed: 03/08/24										
1,1,2,2-Tetrachloroethane	11.3	0.50	µg/L	10.0		113	70-130	0.887	25	
Tetrachloroethylene	12.0	1.0	µg/L	10.0		120	70-130	3.03	25	
Toluene	10.7	1.0	µg/L	10.0		107	70-130	0.561	25	
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130	0.784	25	
1,2,4-Trichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	0.879	25	
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130	4.93	25	
1,1,2-Trichloroethane	11.5	1.0	µg/L	10.0		115	70-130	0.175	25	
Trichloroethylene	11.6	1.0	µg/L	10.0		116	70-130	1.13	25	
Trichlorofluoromethane (Freon 11)	12.0	2.0	µg/L	10.0		120	70-130	10.5	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.7	1.0	µg/L	10.0		127	70-130	3.12	25	
Vinyl Chloride	10.8	2.0	µg/L	10.0		108	40-160	3.39	25	†
m+p Xylene	20.9	2.0	µg/L	20.0		105	70-130	1.64	25	
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130	2.41	25	
Xylenes (total)	31.4	1.0	µg/L	30.0		105	0-200	1.90		
Surrogate: 1,2-Dichloroethane-d4	24.3		µg/L	25.0		97.1	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.6	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**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.
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

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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	02/5/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

Effective Date: 07/13/2023

Client Geologic

Project Windtief

MCP/RCP Required MA

Deliverable Package Requirement

Location NY

PWSID# (When Applicable) MA

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time LA 3/17/24 124

Back-Sheet By / Date / Time / A 3/7/24 93

Temperature Method 9/15 # 6

Temp $< 6^{\circ}\text{C}$ Actual Temperature 2.3

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 M

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 □ V

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]

April 9, 2024

Geologic Project Managers
Geologic NY
37 Copeland Avenue, PO Box 350
Homer, NY 13077

Project Location: NY
Client Job Number:
Project Number: 218010
Laboratory Work Order Number: 24D0683

Enclosed are results of analyses for samples as received by the laboratory on April 5, 2024. 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. 413/525-2332

Geologic NY
37 Copeland Avenue, PO Box 350
Homer, NY 13077
ATTN: Geologic Project Managers

REPORT DATE: 4/9/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 218010

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24D0683

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

PROJECT LOCATION: NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
System Influent	24D0683-01	Water		SW-846 8260D	
System Miidle	24D0683-02	Water		SW-846 8260D	
System Effluent	24D0683-03	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.

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:**Acetone**

24D0683-01[System Influent], 24D0683-02[System Miidle], 24D0683-03[System Effluent], B370756-BLK1, B370756-BS1, B370756-BSD1, S102870-CCV1

Methyl Acetate

24D0683-01[System Influent], 24D0683-02[System Miidle], 24D0683-03[System Effluent], B370756-BLK1, B370756-BS1, B370756-BSD1, S102870-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:**Trichlorofluoromethane (Freon 11)**

B370756-BS1, B370756-BSD1, S102870-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: NY

Sample Description:

Work Order: 24D0683

Date Received: 4/5/2024

Field Sample #: System Influent

Sampled: 4/4/2024 14:00

Sample ID: 24D0683-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	4/8/24	4/8/24 23:57	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
cis-1,2-Dichloroethylene	2.7	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Ethanol	ND	50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Methyl Acetate	ND	1.0	µg/L	1	V-05	SW-846 8260D	4/8/24	4/8/24 23:57	EEH

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Project Location: NY

Sample Description:

Work Order: 24D0683

Date Received: 4/5/2024

Field Sample #: System Influent

Sampled: 4/4/2024 14:00

Sample ID: 24D0683-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Trichloroethylene	63	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:57	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	108	70-130							
Toluene-d8	103	70-130							
4-Bromofluorobenzene	103	70-130							

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Project Location: NY

Sample Description:

Work Order: 24D0683

Date Received: 4/5/2024

Field Sample #: System Müdle

Sampled: 4/4/2024 14:05

Sample ID: 24D0683-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	4/8/24	4/8/24 23:31	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
cis-1,2-Dichloroethylene	9.4	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Ethanol	ND	50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Methyl Acetate	ND	1.0	µg/L	1	V-05	SW-846 8260D	4/8/24	4/8/24 23:31	EEH

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

Project Location: NY

Sample Description:

Work Order: 24D0683

Date Received: 4/5/2024

Field Sample #: System Müidle

Sampled: 4/4/2024 14:05

Sample ID: 24D0683-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:31	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	108	70-130							
Toluene-d8	100	70-130							
4-Bromofluorobenzene	102	70-130							

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

Project Location: NY

Sample Description:

Work Order: 24D0683

Date Received: 4/5/2024

Field Sample #: System Effluent

Sampled: 4/4/2024 14:10

Sample ID: 24D0683-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	4/8/24	4/8/24 23:05	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Ethanol	ND	50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Methyl Acetate	ND	1.0	µg/L	1	V-05	SW-846 8260D	4/8/24	4/8/24 23:05	EEH

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

Project Location: NY

Sample Description:

Work Order: 24D0683

Date Received: 4/5/2024

Field Sample #: System Effluent

Sampled: 4/4/2024 14:10

Sample ID: 24D0683-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	4/8/24	4/8/24 23:05	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	108	70-130							
Toluene-d8	102	70-130							
4-Bromofluorobenzene	102	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
24D0683-01 [System Influent]	B370756	5	5.00	04/08/24
24D0683-02 [System Miidle]	B370756	5	5.00	04/08/24
24D0683-03 [System Effluent]	B370756	5	5.00	04/08/24

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 B370756 - SW-846 5030B										
Blank (B370756-BLK1)				Prepared & Analyzed: 04/08/24						
Acetone	ND	50	µg/L							V-05
tert-Amyl Alcohol (TAA)	ND	5.0	µg/L							
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	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							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	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							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
Ethanol	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	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							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	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 B370756 - SW-846 5030B
Blank (B370756-BLK1)

Prepared & Analyzed: 04/08/24

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							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	26.2		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	26.1		µg/L	25.0		104	70-130			

LCS (B370756-BS1)

Prepared & Analyzed: 04/08/24

Acetone	74.3	50	µg/L	100		74.3	70-160			V-05 †
tert-Amyl Alcohol (TAA)	78.4	5.0	µg/L	100		78.4	70-130			
tert-Amyl Ethyl Ether (TAE)	9.32	0.50	µg/L	10.0		93.2	70-130			
tert-Amyl Methyl Ether (TAME)	11.3	0.50	µg/L	10.0		113	70-130			
Benzene	10.8	1.0	µg/L	10.0		108	70-130			
Bromochloromethane	9.05	1.0	µg/L	10.0		90.5	70-130			
Bromodichloromethane	11.2	0.50	µg/L	10.0		112	70-130			
Bromoform	10.5	1.0	µg/L	10.0		105	70-130			
Bromomethane	10.6	2.0	µg/L	10.0		106	40-160			†
2-Butanone (MEK)	82.4	20	µg/L	100		82.4	40-160			†
tert-Butyl Alcohol (TBA)	83.8	20	µg/L	100		83.8	40-160			†
n-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
sec-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
tert-Butylbenzene	10.7	1.0	µg/L	10.0		107	70-130			
tert-Butyl Ethyl Ether (TBEE)	9.79	0.50	µg/L	10.0		97.9	70-130			
Carbon Disulfide	85.8	5.0	µg/L	100		85.8	70-130			
Carbon Tetrachloride	11.7	5.0	µg/L	10.0		117	70-130			
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
Chlorodibromomethane	10.9	0.50	µg/L	10.0		109	70-130			
Chloroethane	10.1	2.0	µg/L	10.0		101	70-130			
Chloroform	11.3	2.0	µg/L	10.0		113	70-130			
Chloromethane	9.29	2.0	µg/L	10.0		92.9	40-160			†
Cyclohexane	9.17	5.0	µg/L	10.0		91.7	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.5	5.0	µg/L	10.0		105	70-130			
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0		110	70-130			
1,2-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
1,3-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
Dichlorodifluoromethane (Freon 12)	12.4	2.0	µg/L	10.0		124	40-160			†
1,1-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130			
1,2-Dichloroethane	9.51	1.0	µg/L	10.0		95.1	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 B370756 - SW-846 5030B
LCS (B370756-BS1)

Prepared & Analyzed: 04/08/24

1,1-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
cis-1,2-Dichloroethylene	9.88	1.0	µg/L	10.0		98.8	70-130			
trans-1,2-Dichloroethylene	9.56	1.0	µg/L	10.0		95.6	70-130			
1,2-Dichloropropane	9.50	1.0	µg/L	10.0		95.0	70-130			
cis-1,3-Dichloropropene	11.0	0.50	µg/L	10.0		110	70-130			
trans-1,3-Dichloropropene	11.3	0.50	µg/L	10.0		113	70-130			
Diisopropyl Ether (DIPE)	9.21	0.50	µg/L	10.0		92.1	70-130			
Ethanol	71.7	50	µg/L	100		71.7	40-160			
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
2-Hexanone (MBK)	88.3	10	µg/L	100		88.3	70-160			†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130			
p-Isopropyltoluene (p-Cymene)	10.5	1.0	µg/L	10.0		105	70-130			
Methyl Acetate	7.36	1.0	µg/L	10.0		73.6	70-130			V-05
Methyl tert-Butyl Ether (MTBE)	11.3	1.0	µg/L	10.0		113	70-130			
Methyl Cyclohexane	10.7	1.0	µg/L	10.0		107	70-130			
Methylene Chloride	9.43	5.0	µg/L	10.0		94.3	70-130			
4-Methyl-2-pentanone (MIBK)	89.2	10	µg/L	100		89.2	70-160			†
Naphthalene	9.30	2.0	µg/L	10.0		93.0	40-130			†
n-Propylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
Styrene	10.4	1.0	µg/L	10.0		104	70-130			
1,1,2,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130			
Tetrachloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
Toluene	10.7	1.0	µg/L	10.0		107	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	11.5	1.0	µg/L	10.0		115	70-130			
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130			
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
Trichlorofluoromethane (Freon 11)	12.6	2.0	µg/L	10.0		126	70-130			V-20
1,2,3-Trichloropropane	10.5	2.0	µg/L	10.0		105	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6	1.0	µg/L	10.0		116	70-130			
1,2,4-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
1,3,5-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Vinyl Chloride	9.34	2.0	µg/L	10.0		93.4	40-160			†
m+p Xylene	21.1	2.0	µg/L	20.0		105	70-130			
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130			
Xylenes (total)	31.7	1.0	µg/L	30.0		106	0-200			
Surrogate: 1,2-Dichloroethane-d4	25.2		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.5		µg/L	25.0		102	70-130			

LCS Dup (B370756-BS1)

Prepared & Analyzed: 04/08/24

Acetone	76.1	50	µg/L	100		76.1	70-160	2.47	25	V-05	†
tert-Amyl Alcohol (TAA)	82.8	5.0	µg/L	100		82.8	70-130	5.47	25		
tert-Amyl Ethyl Ether (TAEE)	9.24	0.50	µg/L	10.0		92.4	70-130	0.862	25		
tert-Amyl Methyl Ether (TAME)	11.3	0.50	µg/L	10.0		113	70-130	0.354	25		
Benzene	11.0	1.0	µg/L	10.0		110	70-130	1.93	25		
Bromochloromethane	9.24	1.0	µg/L	10.0		92.4	70-130	2.08	25		
Bromodichloromethane	11.2	0.50	µg/L	10.0		112	70-130	0.357	25		
Bromoform	10.7	1.0	µg/L	10.0		107	70-130	1.79	25		
Bromomethane	11.1	2.0	µg/L	10.0		111	40-160	4.24	25		†
2-Butanone (MEK)	84.3	20	µg/L	100		84.3	40-160	2.30	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 B370756 - SW-846 5030B										
LCS Dup (B370756-BSD1)				Prepared & Analyzed: 04/08/24						
tert-Butyl Alcohol (TBA)	92.0	20	µg/L	100		92.0	40-160	9.28	25	†
n-Butylbenzene	9.83	1.0	µg/L	10.0		98.3	70-130	3.60	25	
sec-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130	2.99	25	
tert-Butylbenzene	10.6	1.0	µg/L	10.0		106	70-130	1.60	25	
tert-Butyl Ethyl Ether (TBEE)	9.78	0.50	µg/L	10.0		97.8	70-130	0.102	25	
Carbon Disulfide	87.2	5.0	µg/L	100		87.2	70-130	1.63	25	
Carbon Tetrachloride	12.0	5.0	µg/L	10.0		120	70-130	2.62	25	
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	0.478	25	
Chlorodibromomethane	11.0	0.50	µg/L	10.0		110	70-130	0.729	25	
Chloroethane	10.1	2.0	µg/L	10.0		101	70-130	0.693	25	
Chloroform	11.6	2.0	µg/L	10.0		116	70-130	2.79	25	
Chloromethane	9.43	2.0	µg/L	10.0		94.3	40-160	1.50	25	†
Cyclohexane	9.42	5.0	µg/L	10.0		94.2	70-130	2.69	25	
1,2-Dibromo-3-chloropropane (DBCP)	10.4	5.0	µg/L	10.0		104	70-130	0.953	25	
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130	2.29	25	
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	3.30	25	
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	2.16	25	
1,4-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	1.39	25	
Dichlorodifluoromethane (Freon 12)	12.8	2.0	µg/L	10.0		128	40-160	2.78	25	†
1,1-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130	0.200	25	
1,2-Dichloroethane	9.48	1.0	µg/L	10.0		94.8	70-130	0.316	25	
1,1-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	1.63	25	
cis-1,2-Dichloroethylene	9.81	1.0	µg/L	10.0		98.1	70-130	0.711	25	
trans-1,2-Dichloroethylene	9.70	1.0	µg/L	10.0		97.0	70-130	1.45	25	
1,2-Dichloropropane	9.84	1.0	µg/L	10.0		98.4	70-130	3.52	25	
cis-1,3-Dichloropropene	10.9	0.50	µg/L	10.0		109	70-130	1.73	25	
trans-1,3-Dichloropropene	10.9	0.50	µg/L	10.0		109	70-130	4.14	25	
Diisopropyl Ether (DIPE)	9.35	0.50	µg/L	10.0		93.5	70-130	1.51	25	
Ethanol	78.4	50	µg/L	100		78.4	40-160	8.88	25	
Ethylbenzene	10.5	1.0	µg/L	10.0		105	70-130	1.53	25	
2-Hexanone (MBK)	88.8	10	µg/L	100		88.8	70-160	0.531	25	†
Isopropylbenzene (Cumene)	10.6	1.0	µg/L	10.0		106	70-130	1.05	25	
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.0		102	70-130	2.90	25	
Methyl Acetate	7.71	1.0	µg/L	10.0		77.1	70-130	4.64	25	V-05
Methyl tert-Butyl Ether (MTBE)	11.4	1.0	µg/L	10.0		114	70-130	0.793	25	
Methyl Cyclohexane	10.8	1.0	µg/L	10.0		108	70-130	0.186	25	
Methylene Chloride	9.36	5.0	µg/L	10.0		93.6	70-130	0.745	25	
4-Methyl-2-pentanone (MIBK)	89.8	10	µg/L	100		89.8	70-160	0.671	25	†
Naphthalene	8.82	2.0	µg/L	10.0		88.2	40-130	5.30	25	†
n-Propylbenzene	10.5	1.0	µg/L	10.0		105	70-130	1.24	25	
Styrene	10.4	1.0	µg/L	10.0		104	70-130	0.770	25	
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130	1.67	25	
Tetrachloroethylene	10.7	1.0	µg/L	10.0		107	70-130	1.20	25	
Toluene	10.8	1.0	µg/L	10.0		108	70-130	0.372	25	
1,2,3-Trichlorobenzene	9.56	5.0	µg/L	10.0		95.6	70-130	4.50	25	
1,2,4-Trichlorobenzene	9.85	1.0	µg/L	10.0		98.5	70-130	4.37	25	
1,1,1-Trichloroethane	11.7	1.0	µg/L	10.0		117	70-130	1.63	25	
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	2.13	25	
Trichloroethylene	10.9	1.0	µg/L	10.0		109	70-130	1.28	25	
Trichlorofluoromethane (Freon 11)	12.7	2.0	µg/L	10.0		127	70-130	0.396	25	V-20
1,2,3-Trichloropropane	10.6	2.0	µg/L	10.0		106	70-130	0.379	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 B370756 - SW-846 5030B										
LCS Dup (B370756-BSD1)				Prepared & Analyzed: 04/08/24						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6	1.0	µg/L	10.0		116	70-130	0.430	25	
1,2,4-Trimethylbenzene	10.4	1.0	µg/L	10.0		104	70-130	1.62	25	
1,3,5-Trimethylbenzene	10.4	1.0	µg/L	10.0		104	70-130	1.90	25	
Vinyl Chloride	9.20	2.0	µg/L	10.0		92.0	40-160	1.51	25	†
m+p Xylene	21.5	2.0	µg/L	20.0		108	70-130	2.21	25	
o-Xylene	10.9	1.0	µg/L	10.0		109	70-130	3.25	25	
Xylenes (total)	32.5	1.0	µg/L	30.0		108	0-200	2.56		
Surrogate: 1,2-Dichloroethane-d4	26.0		µg/L	25.0		104	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.9		µg/L	25.0		103	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.
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>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
tert-Amyl Alcohol (TAA)	NY
tert-Amyl Methyl Ether (TAME)	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
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	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
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,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
Naphthalene	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>	
n-Propylbenzene	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
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	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	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024



Page:

F-ALL-Q-020rev.08, 12-Oct-2007

	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client GeoLogicProject Wapiti CMCP/RCP Required MADeliverable Package Requirement MALocation MAPWSID# (When Applicable) MA

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐Received By / Date / Time LA 4/5/24 955Back-Sheet By / Date / Time LA 4/5/24 1044Temperature Method gun # 5Temp ✓ < 6° C Actual Temperature 2.0Rush 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.



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				
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May 10, 2024

Geologic Project Managers
Geologic NY
37 Copeland Avenue, PO Box 350
Homer, NY 13077

Project Location: NY
Client Job Number:
Project Number: 218010
Laboratory Work Order Number: 24E0884

Enclosed are results of analyses for samples as received by the laboratory on May 8, 2024. 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. 413/525-2332

Geologic NY
37 Copeland Avenue, PO Box 350
Homer, NY 13077
ATTN: Geologic Project Managers

REPORT DATE: 5/10/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 218010

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24E0884

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

PROJECT LOCATION: NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
System Influent	24E0884-01	Water		SW-846 8260D	
System Middle	24E0884-02	Water		SW-846 8260D	
System Effluent	24E0884-03	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:**

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**

24E0884-01[System Influent], 24E0884-02[System Middle], 24E0884-03[System Effluent], B373720-BLK1, B373720-BS1, B373720-BSD1, S104330-CCV1

Vinyl Chloride

24E0884-01[System Influent], 24E0884-02[System Middle], 24E0884-03[System Effluent], B373720-BLK1, B373720-BS1, B373720-BSD1, S104330-CCV1

V-36

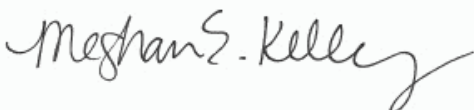
Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Methyl Acetate**

B373720-BS1, B373720-BSD1, S104330-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: NY

Sample Description:

Work Order: 24E0884

Date Received: 5/8/2024

Field Sample #: System Influent

Sampled: 5/6/2024 12:40

Sample ID: 24E0884-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH

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

Project Location: NY

Sample Description:

Work Order: 24E0884

Date Received: 5/8/2024

Field Sample #: System Influent

Sampled: 5/6/2024 12:40

Sample ID: 24E0884-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Trichloroethylene	140	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Vinyl Chloride	ND	2.0	µg/L	1	V-05	SW-846 8260D	5/8/24	5/9/24 18:02	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 18:02	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	94.4	70-130							
Toluene-d8	101	70-130							
4-Bromofluorobenzene	106	70-130							

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Project Location: NY

Sample Description:

Work Order: 24E0884

Date Received: 5/8/2024

Field Sample #: System Middle

Sampled: 5/6/2024 12:35

Sample ID: 24E0884-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH

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

Project Location: NY

Sample Description:

Work Order: 24E0884

Date Received: 5/8/2024

Field Sample #: System Middle

Sampled: 5/6/2024 12:35

Sample ID: 24E0884-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Vinyl Chloride	ND	2.0	µg/L	1	V-05	SW-846 8260D	5/8/24	5/9/24 15:26	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:26	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	95.3	70-130							
Toluene-d8	101	70-130							
4-Bromofluorobenzene	106	70-130							

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Project Location: NY

Sample Description:

Work Order: 24E0884

Date Received: 5/8/2024

Field Sample #: System Effluent

Sampled: 5/6/2024 12:30

Sample ID: 24E0884-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH

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

Project Location: NY

Sample Description:

Work Order: 24E0884

Date Received: 5/8/2024

Field Sample #: System Effluent

Sampled: 5/6/2024 12:30

Sample ID: 24E0884-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Vinyl Chloride	ND	2.0	µg/L	1	V-05	SW-846 8260D	5/8/24	5/9/24 15:52	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	5/8/24	5/9/24 15:52	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	95.2	70-130							
Toluene-d8	103	70-130							
4-Bromofluorobenzene	104	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
24E0884-01 [System Influent]	B373720	5	5.00	05/08/24
24E0884-02 [System Middle]	B373720	5	5.00	05/08/24
24E0884-03 [System Effluent]	B373720	5	5.00	05/08/24

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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 B373720 - SW-846 5030B
Blank (B373720-BLK1)

Prepared: 05/08/24 Analyzed: 05/09/24

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							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	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							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	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							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	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							

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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 B373720 - SW-846 5030B										
Blank (B373720-BLK1)										
Prepared: 05/08/24 Analyzed: 05/09/24										
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							V-05
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.9		µg/L	25.0		95.6	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.9		µg/L	25.0		104	70-130			
LCS (B373720-BS1)										
Prepared: 05/08/24 Analyzed: 05/09/24										
Acetone	72.2	50	µg/L	100		72.2	70-160			V-05 †
Benzene	10.5	1.0	µg/L	10.0		105	70-130			
Bromochloromethane	8.90	1.0	µg/L	10.0		89.0	70-130			
Bromodichloromethane	10.4	0.50	µg/L	10.0		104	70-130			
Bromoform	10.0	1.0	µg/L	10.0		100	70-130			
Bromomethane	10.4	2.0	µg/L	10.0		104	40-160			†
2-Butanone (MEK)	91.4	20	µg/L	100		91.4	40-160			†
n-Butylbenzene	9.23	1.0	µg/L	10.0		92.3	70-130			
sec-Butylbenzene	9.36	1.0	µg/L	10.0		93.6	70-130			
tert-Butylbenzene	9.41	1.0	µg/L	10.0		94.1	70-130			
Carbon Disulfide	81.7	5.0	µg/L	100		81.7	70-130			
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106	70-130			
Chlorobenzene	9.76	1.0	µg/L	10.0		97.6	70-130			
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104	70-130			
Chloroethane	9.18	2.0	µg/L	10.0		91.8	70-130			
Chloroform	10.6	2.0	µg/L	10.0		106	70-130			
Chloromethane	10.1	2.0	µg/L	10.0		101	40-160			†
Cyclohexane	9.14	5.0	µg/L	10.0		91.4	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.1	5.0	µg/L	10.0		101	70-130			
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130			
1,2-Dichlorobenzene	9.42	1.0	µg/L	10.0		94.2	70-130			
1,3-Dichlorobenzene	9.40	1.0	µg/L	10.0		94.0	70-130			
1,4-Dichlorobenzene	9.31	1.0	µg/L	10.0		93.1	70-130			
Dichlorodifluoromethane (Freon 12)	11.6	2.0	µg/L	10.0		116	40-160			†
1,1-Dichloroethane	9.59	1.0	µg/L	10.0		95.9	70-130			
1,2-Dichloroethane	8.96	1.0	µg/L	10.0		89.6	70-130			
1,1-Dichloroethylene	9.07	1.0	µg/L	10.0		90.7	70-130			
cis-1,2-Dichloroethylene	9.38	1.0	µg/L	10.0		93.8	70-130			
trans-1,2-Dichloroethylene	9.22	1.0	µg/L	10.0		92.2	70-130			
1,2-Dichloropropane	9.71	1.0	µg/L	10.0		97.1	70-130			
cis-1,3-Dichloropropene	10.9	0.50	µg/L	10.0		109	70-130			
trans-1,3-Dichloropropene	10.9	0.50	µg/L	10.0		109	70-130			
Ethylbenzene	9.83	1.0	µg/L	10.0		98.3	70-130			
2-Hexanone (MBK)	98.8	10	µg/L	100		98.8	70-160			†
Isopropylbenzene (Cumene)	9.72	1.0	µg/L	10.0		97.2	70-130			
p-Isopropyltoluene (p-Cymene)	9.32	1.0	µg/L	10.0		93.2	70-130			
Methyl Acetate	8.18	1.0	µg/L	10.0		81.8	70-130			
Methyl tert-Butyl Ether (MTBE)	10.8	1.0	µg/L	10.0		108	70-130			

V-36

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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 B373720 - SW-846 5030B
LCS (B373720-BS1)

Prepared: 05/08/24 Analyzed: 05/09/24

Methyl Cyclohexane	10.2	1.0	µg/L	10.0		102	70-130			
Methylene Chloride	8.93	5.0	µg/L	10.0		89.3	70-130			
4-Methyl-2-pentanone (MIBK)	96.6	10	µg/L	100		96.6	70-160			†
Naphthalene	8.50	2.0	µg/L	10.0		85.0	40-130			†
n-Propylbenzene	9.68	1.0	µg/L	10.0		96.8	70-130			
Styrene	9.67	1.0	µg/L	10.0		96.7	70-130			
1,1,2,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106	70-130			
Tetrachloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
Toluene	10.4	1.0	µg/L	10.0		104	70-130			
1,2,3-Trichlorobenzene	9.68	5.0	µg/L	10.0		96.8	70-130			
1,2,4-Trichlorobenzene	9.62	1.0	µg/L	10.0		96.2	70-130			
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130			
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
Trichlorofluoromethane (Freon 11)	10.6	2.0	µg/L	10.0		106	70-130			
1,2,3-Trichloropropane	10.5	2.0	µg/L	10.0		105	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7	1.0	µg/L	10.0		107	70-130			
1,2,4-Trimethylbenzene	9.51	1.0	µg/L	10.0		95.1	70-130			
1,3,5-Trimethylbenzene	9.91	1.0	µg/L	10.0		99.1	70-130			
Vinyl Chloride	7.10	2.0	µg/L	10.0		71.0	40-160		V-05	†
m+p Xylene	20.4	2.0	µg/L	20.0		102	70-130			
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130			
Xylenes (total)	30.5	1.0	µg/L	30.0		102	0-200			
Surrogate: 1,2-Dichloroethane-d4	23.6		µg/L	25.0		94.4	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	26.6		µg/L	25.0		107	70-130			

LCS Dup (B373720-BSD1)

Prepared: 05/08/24 Analyzed: 05/09/24

Acetone	71.7	50	µg/L	100		71.7	70-160	0.584	25	V-05	†
Benzene	11.0	1.0	µg/L	10.0		110	70-130	5.39	25		
Bromochloromethane	9.39	1.0	µg/L	10.0		93.9	70-130	5.36	25		
Bromodichloromethane	11.2	0.50	µg/L	10.0		112	70-130	7.48	25		
Bromoform	10.4	1.0	µg/L	10.0		104	70-130	4.01	25		
Bromomethane	10.9	2.0	µg/L	10.0		109	40-160	4.81	25		†
2-Butanone (MEK)	92.4	20	µg/L	100		92.4	40-160	1.00	25		†
n-Butylbenzene	9.94	1.0	µg/L	10.0		99.4	70-130	7.41	25		
sec-Butylbenzene	9.90	1.0	µg/L	10.0		99.0	70-130	5.61	25		
tert-Butylbenzene	10.0	1.0	µg/L	10.0		100	70-130	6.08	25		
Carbon Disulfide	86.3	5.0	µg/L	100		86.3	70-130	5.43	25		
Carbon Tetrachloride	10.7	5.0	µg/L	10.0		107	70-130	1.13	25		
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	4.60	25		
Chlorodibromomethane	11.1	0.50	µg/L	10.0		111	70-130	6.25	25		
Chloroethane	9.64	2.0	µg/L	10.0		96.4	70-130	4.89	25		
Chloroform	11.0	2.0	µg/L	10.0		110	70-130	3.99	25		
Chloromethane	10.5	2.0	µg/L	10.0		105	40-160	4.27	25		†
Cyclohexane	9.40	5.0	µg/L	10.0		94.0	70-130	2.80	25		
1,2-Dibromo-3-chloropropane (DBCP)	10.3	5.0	µg/L	10.0		103	70-130	1.67	25		
1,2-Dibromoethane (EDB)	11.2	0.50	µg/L	10.0		112	70-130	3.56	25		
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	6.87	25		
1,3-Dichlorobenzene	9.74	1.0	µg/L	10.0		97.4	70-130	3.55	25		
1,4-Dichlorobenzene	9.86	1.0	µg/L	10.0		98.6	70-130	5.74	25		
Dichlorodifluoromethane (Freon 12)	11.4	2.0	µg/L	10.0		114	40-160	2.35	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 B373720 - SW-846 5030B										
LCS Dup (B373720-BSD1)					Prepared: 05/08/24 Analyzed: 05/09/24					
1,1-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130	4.39	25	
1,2-Dichloroethane	9.01	1.0	µg/L	10.0		90.1	70-130	0.556	25	
1,1-Dichloroethylene	9.56	1.0	µg/L	10.0		95.6	70-130	5.26	25	
cis-1,2-Dichloroethylene	9.69	1.0	µg/L	10.0		96.9	70-130	3.25	25	
trans-1,2-Dichloroethylene	9.71	1.0	µg/L	10.0		97.1	70-130	5.18	25	
1,2-Dichloropropane	10.2	1.0	µg/L	10.0		102	70-130	4.82	25	
cis-1,3-Dichloropropene	11.2	0.50	µg/L	10.0		112	70-130	3.53	25	
trans-1,3-Dichloropropene	11.4	0.50	µg/L	10.0		114	70-130	3.94	25	
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130	5.73	25	
2-Hexanone (MBK)	98.8	10	µg/L	100		98.8	70-160	0.101	25	†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130	5.02	25	
p-Isopropyltoluene (p-Cymene)	10.1	1.0	µg/L	10.0		101	70-130	7.93	25	
Methyl Acetate	8.29	1.0	µg/L	10.0		82.9	70-130	1.34	25	V-36
Methyl tert-Butyl Ether (MTBE)	10.9	1.0	µg/L	10.0		109	70-130	1.57	25	
Methyl Cyclohexane	10.9	1.0	µg/L	10.0		109	70-130	5.97	25	
Methylene Chloride	9.44	5.0	µg/L	10.0		94.4	70-130	5.55	25	
4-Methyl-2-pentanone (MIBK)	97.8	10	µg/L	100		97.8	70-160	1.25	25	†
Naphthalene	8.90	2.0	µg/L	10.0		89.0	40-130	4.60	25	†
n-Propylbenzene	10.5	1.0	µg/L	10.0		105	70-130	7.75	25	
Styrene	10.0	1.0	µg/L	10.0		100	70-130	3.65	25	
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108	70-130	1.50	25	
Tetrachloroethylene	10.8	1.0	µg/L	10.0		108	70-130	5.90	25	
Toluene	11.0	1.0	µg/L	10.0		110	70-130	5.06	25	
1,2,3-Trichlorobenzene	10.7	5.0	µg/L	10.0		107	70-130	10.2	25	
1,2,4-Trichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	9.79	25	
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	3.74	25	
1,1,2-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130	3.90	25	
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	4.77	25	
Trichlorofluoromethane (Freon 11)	10.9	2.0	µg/L	10.0		109	70-130	2.41	25	
1,2,3-Trichloropropane	10.8	2.0	µg/L	10.0		108	70-130	2.07	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.0		110	70-130	2.94	25	
1,2,4-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	7.00	25	
1,3,5-Trimethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	4.05	25	
Vinyl Chloride	7.53	2.0	µg/L	10.0		75.3	40-160	5.88	25	V-05 †
m+p Xylene	21.3	2.0	µg/L	20.0		106	70-130	4.51	25	
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130	3.29	25	
Xylenes (total)	31.8	1.0	µg/L	30.0		106	0-200	4.11		
Surrogate: 1,2-Dichloroethane-d4	24.3		µg/L	25.0		97.2	70-130			
Surrogate: Toluene-d8	25.5		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	26.7		µg/L	25.0		107	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.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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

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
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,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
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,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
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	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
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	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	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

24EC884

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GeoLogic NY, P.C.	Report To:	Same	Attention:	
Address:	PO Box 350	Copy To:		Company Name:	GeoLogic
	Homer, NY 13077			Address:	
Email To:	geologicny@geologic.net	Purchase Order No.:		Pace Quote Reference:	
Phone:	607-749-5000	Project Name:	Winatic	Pace Project Manager:	
	Fax: 607-749-5063			Pace Profile #:	
Requested Due Date/TAT:	Standard	Project Number:	218010		

Section D Required Client Information		Valid Matrix Codes		COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)		MATRIX CODE (see valid codes to left)		RELINQUISHED BY / AFFILIATION		ADDITIONAL COMMENTS	
ITEM #	Sample ID (A-Z, 0-9 / -)	DRINKING WATER	WASTE WATER	PRODUCT	SOIL/SOLID	COMPOSITE START	COMPOSITE END/GRAB	DATE	TIME	DATE	TIME	DATE	TIME
1	System Influent							05/06/24	12:40			5/6/24	16:00
2	System Middle							05/06/24	12:35			5/6/24	16:00
3	System Effluent							05/06/24	12:30			5/6/24	16:00
4													
5													
6													
7													
8													
9													
10													
11													
12													

SAMPLER NAME AND SIGNATURE		DATE SIGNED (MM/DD/YYYY)	
PRINT Name of SAMPLER:	Joseph Menzel	DATE SIGNED	5/6/24
SIGNATURE of SAMPLER:			

	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client Geologic
 Project Winchester
 MCP/RCP Required NA
 Deliverable Package Requirement NA
 Location MA
 PWSID# (When Applicable) MAP
 Arrival Method:
 Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐
 Received By / Date / Time Am SIGNA 1030
 Back-Sheet By / Date / Time LA SIGNA 1201
 Temperature Method Grm #6
 Temp ☒ < 6° C Actual Temperature 4.9
 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.**



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

Effective Date: 07/13/2023

[illegible]

June 19, 2024

Geologic Project Managers
Geologic NY
37 Copeland Avenue, PO Box 350
Homer, NY 13077

Project Location: NY
Client Job Number:
Project Number: 218010
Laboratory Work Order Number: 24F2120

Enclosed are results of analyses for samples as received by the laboratory on June 14, 2024. 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. 413/525-2332

Geologic NY
37 Copeland Avenue, PO Box 350
Homer, NY 13077
ATTN: Geologic Project Managers

REPORT DATE: 6/19/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 218010

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24F2120

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

PROJECT LOCATION: NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
System Influent	24F2120-01	Water		SW-846 8260D	
System Middle	24F2120-02	Water		SW-846 8260D	
System Effluent	24F2120-03	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.

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:**Carbon Disulfide**

24F2120-01[System Influent], 24F2120-02[System Middle], 24F2120-03[System Effluent], B377425-BLK1, B377425-BS1, B377425-BSD1, S106088-CCV1

Methyl Acetate

24F2120-01[System Influent], 24F2120-02[System Middle], 24F2120-03[System Effluent], B377425-BLK1, B377425-BS1, B377425-BSD1, S106088-CCV1

V-36

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

Analyte & Samples(s) Qualified:**Methyl Acetate**

B377425-BS1, B377425-BSD1, S106088-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: NY

Sample Description:

Work Order: 24F2120

Date Received: 6/14/2024

Field Sample #: System Influent

Sampled: 6/13/2024 11:05

Sample ID: 24F2120-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Carbon Disulfide	ND	5.0	µg/L	1	V-05	SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Methyl Acetate	ND	1.0	µg/L	1	V-05	SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH

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

Project Location: NY

Sample Description:

Work Order: 24F2120

Date Received: 6/14/2024

Field Sample #: System Influent

Sampled: 6/13/2024 11:05

Sample ID: 24F2120-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Trichloroethylene	42	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 16:07	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	95.5	70-130						6/18/24 16:07	
Toluene-d8	95.0	70-130						6/18/24 16:07	
4-Bromofluorobenzene	105	70-130						6/18/24 16:07	

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

Project Location: NY

Sample Description:

Work Order: 24F2120

Date Received: 6/14/2024

Field Sample #: System Middle

Sampled: 6/13/2024 11:00

Sample ID: 24F2120-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Carbon Disulfide	ND	5.0	µg/L	1	V-05	SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Methyl Acetate	ND	1.0	µg/L	1	V-05	SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH

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

Project Location: NY

Sample Description:

Work Order: 24F2120

Date Received: 6/14/2024

Field Sample #: System Middle

Sampled: 6/13/2024 11:00

Sample ID: 24F2120-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:24	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	95.6	70-130						6/18/24 14:24	
Toluene-d8	93.8	70-130						6/18/24 14:24	
4-Bromofluorobenzene	106	70-130						6/18/24 14:24	

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

Project Location: NY

Sample Description:

Work Order: 24F2120

Date Received: 6/14/2024

Field Sample #: System Effluent

Sampled: 6/13/2024 10:55

Sample ID: 24F2120-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Carbon Disulfide	ND	5.0	µg/L	1	V-05	SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Methyl Acetate	ND	1.0	µg/L	1	V-05	SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH

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

Project Location: NY

Sample Description:

Work Order: 24F2120

Date Received: 6/14/2024

Field Sample #: System Effluent

Sampled: 6/13/2024 10:55

Sample ID: 24F2120-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	6/17/24	6/18/24 14:50	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	96.8	70-130							
Toluene-d8	94.9	70-130							
4-Bromofluorobenzene	105	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
24F2120-01 [System Influent]	B377425	5	5.00	06/17/24
24F2120-02 [System Middle]	B377425	5	5.00	06/17/24
24F2120-03 [System Effluent]	B377425	5	5.00	06/17/24

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 B377425 - SW-846 5030B
Blank (B377425-BLK1)

Prepared: 06/17/24 Analyzed: 06/18/24

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						
n-Butylbenzene	ND	1.0	µg/L						
sec-Butylbenzene	ND	1.0	µg/L						
tert-Butylbenzene	ND	1.0	µg/L						
Carbon Disulfide	ND	5.0	µg/L						V-05
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						
Ethylbenzene	ND	1.0	µg/L						
2-Hexanone (MBK)	ND	10	µg/L						
Isopropylbenzene (Cumene)	ND	1.0	µg/L						
p-Isopropyltoluene (p-Cymene)	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						
Naphthalene	ND	2.0	µg/L						
n-Propylbenzene	ND	1.0	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						

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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 B377425 - SW-846 5030B										
Blank (B377425-BLK1)										
Prepared: 06/17/24 Analyzed: 06/18/24										
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.6		µg/L	25.0		94.6	70-130			
Surrogate: Toluene-d8	23.7		µg/L	25.0		94.7	70-130			
Surrogate: 4-Bromofluorobenzene	26.4		µg/L	25.0		105	70-130			
LCS (B377425-BS1)										
Prepared: 06/17/24 Analyzed: 06/18/24										
Acetone	92.1	50	µg/L	100		92.1	70-160			†
Benzene	9.76	1.0	µg/L	10.0		97.6	70-130			
Bromochloromethane	9.34	1.0	µg/L	10.0		93.4	70-130			
Bromodichloromethane	10.0	0.50	µg/L	10.0		100	70-130			
Bromoform	10.8	1.0	µg/L	10.0		108	70-130			
Bromomethane	9.22	2.0	µg/L	10.0		92.2	40-160			†
2-Butanone (MEK)	87.7	20	µg/L	100		87.7	40-160			†
n-Butylbenzene	9.41	1.0	µg/L	10.0		94.1	70-130			
sec-Butylbenzene	9.47	1.0	µg/L	10.0		94.7	70-130			
tert-Butylbenzene	9.53	1.0	µg/L	10.0		95.3	70-130			
Carbon Disulfide	70.4	5.0	µg/L	100		70.4	70-130			V-05
Carbon Tetrachloride	11.1	5.0	µg/L	10.0		111	70-130			
Chlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
Chlorodibromomethane	10.5	0.50	µg/L	10.0		105	70-130			
Chloroethane	8.64	2.0	µg/L	10.0		86.4	70-130			
Chloroform	10.1	2.0	µg/L	10.0		101	70-130			
Chloromethane	9.57	2.0	µg/L	10.0		95.7	40-160			†
Cyclohexane	8.66	5.0	µg/L	10.0		86.6	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.14	5.0	µg/L	10.0		91.4	70-130			
1,2-Dibromoethane (EDB)	10.3	0.50	µg/L	10.0		103	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	9.45	1.0	µg/L	10.0		94.5	70-130			
Dichlorodifluoromethane (Freon 12)	10.8	2.0	µg/L	10.0		108	40-160			†
1,1-Dichloroethane	9.09	1.0	µg/L	10.0		90.9	70-130			
1,2-Dichloroethane	8.71	1.0	µg/L	10.0		87.1	70-130			
1,1-Dichloroethylene	9.45	1.0	µg/L	10.0		94.5	70-130			
cis-1,2-Dichloroethylene	8.78	1.0	µg/L	10.0		87.8	70-130			
trans-1,2-Dichloroethylene	8.50	1.0	µg/L	10.0		85.0	70-130			
1,2-Dichloropropane	8.71	1.0	µg/L	10.0		87.1	70-130			
cis-1,3-Dichloropropene	9.56	0.50	µg/L	10.0		95.6	70-130			
trans-1,3-Dichloropropene	9.80	0.50	µg/L	10.0		98.0	70-130			
Ethylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
2-Hexanone (MBK)	103	10	µg/L	100		103	70-160			†
Isopropylbenzene (Cumene)	10.7	1.0	µg/L	10.0		107	70-130			
p-Isopropyltoluene (p-Cymene)	9.68	1.0	µg/L	10.0		96.8	70-130			
Methyl Acetate	8.25	1.0	µg/L	10.0		82.5	70-130			V-05, V-36
Methyl tert-Butyl Ether (MTBE)	9.50	1.0	µg/L	10.0		95.0	70-130			

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

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

Batch B377425 - SW-846 5030B
LCS (B377425-BS1)

Prepared: 06/17/24 Analyzed: 06/18/24

Methyl Cyclohexane	9.60	1.0	µg/L	10.0		96.0	70-130			
Methylene Chloride	9.08	5.0	µg/L	10.0		90.8	70-130			
4-Methyl-2-pentanone (MIBK)	100	10	µg/L	100		100	70-160			†
Naphthalene	8.63	2.0	µg/L	10.0		86.3	40-130			†
n-Propylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
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	10.3	1.0	µg/L	10.0		103	70-130			
Toluene	10.0	1.0	µg/L	10.0		100	70-130			
1,2,3-Trichlorobenzene	8.55	5.0	µg/L	10.0		85.5	70-130			
1,2,4-Trichlorobenzene	9.31	1.0	µg/L	10.0		93.1	70-130			
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130			
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
Trichloroethylene	9.97	1.0	µg/L	10.0		99.7	70-130			
Trichlorofluoromethane (Freon 11)	11.7	2.0	µg/L	10.0		117	70-130			
1,2,3-Trichloropropane	10.4	2.0	µg/L	10.0		104	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7	1.0	µg/L	10.0		107	70-130			
1,2,4-Trimethylbenzene	9.63	1.0	µg/L	10.0		96.3	70-130			
1,3,5-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Vinyl Chloride	7.97	2.0	µg/L	10.0		79.7	40-160			†
m+p Xylene	21.4	2.0	µg/L	20.0		107	70-130			
o-Xylene	10.9	1.0	µg/L	10.0		109	70-130			
Xylenes (total)	32.3	1.0	µg/L	30.0		108	0-200			
Surrogate: 1,2-Dichloroethane-d4	24.0		µg/L	25.0		95.9	70-130			
Surrogate: Toluene-d8	23.7		µg/L	25.0		94.7	70-130			
Surrogate: 4-Bromofluorobenzene	26.7		µg/L	25.0		107	70-130			

LCS Dup (B377425-BSD1)

Prepared: 06/17/24 Analyzed: 06/18/24

Acetone	89.8	50	µg/L	100		89.8	70-160	2.49	25	†
Benzene	10.0	1.0	µg/L	10.0		100	70-130	2.83	25	
Bromochloromethane	9.46	1.0	µg/L	10.0		94.6	70-130	1.28	25	
Bromodichloromethane	10.2	0.50	µg/L	10.0		102	70-130	2.37	25	
Bromoform	11.0	1.0	µg/L	10.0		110	70-130	1.47	25	
Bromomethane	9.67	2.0	µg/L	10.0		96.7	40-160	4.76	25	†
2-Butanone (MEK)	91.5	20	µg/L	100		91.5	40-160	4.21	25	†
n-Butylbenzene	9.61	1.0	µg/L	10.0		96.1	70-130	2.10	25	
sec-Butylbenzene	9.77	1.0	µg/L	10.0		97.7	70-130	3.12	25	
tert-Butylbenzene	9.89	1.0	µg/L	10.0		98.9	70-130	3.71	25	
Carbon Disulfide	73.5	5.0	µg/L	100		73.5	70-130	4.28	25	V-05
Carbon Tetrachloride	11.5	5.0	µg/L	10.0		115	70-130	3.80	25	
Chlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	0.679	25	
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108	70-130	2.16	25	
Chloroethane	9.30	2.0	µg/L	10.0		93.0	70-130	7.36	25	
Chloroform	10.4	2.0	µg/L	10.0		104	70-130	2.34	25	
Chloromethane	9.59	2.0	µg/L	10.0		95.9	40-160	0.209	25	†
Cyclohexane	8.73	5.0	µg/L	10.0		87.3	70-130	0.805	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.02	5.0	µg/L	10.0		90.2	70-130	1.32	25	
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130	0.483	25	
1,2-Dichlorobenzene	9.59	1.0	µg/L	10.0		95.9	70-130	0.943	25	
1,3-Dichlorobenzene	9.54	1.0	µg/L	10.0		95.4	70-130	1.69	25	
1,4-Dichlorobenzene	9.58	1.0	µg/L	10.0		95.8	70-130	1.37	25	
Dichlorodifluoromethane (Freon 12)	10.4	2.0	µg/L	10.0		104	40-160	3.39	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 B377425 - SW-846 5030B										
LCS Dup (B377425-BSD1)					Prepared: 06/17/24 Analyzed: 06/18/24					
1,1-Dichloroethane	9.25	1.0	µg/L	10.0		92.5	70-130	1.74	25	
1,2-Dichloroethane	8.65	1.0	µg/L	10.0		86.5	70-130	0.691	25	
1,1-Dichloroethylene	9.64	1.0	µg/L	10.0		96.4	70-130	1.99	25	
cis-1,2-Dichloroethylene	9.08	1.0	µg/L	10.0		90.8	70-130	3.36	25	
trans-1,2-Dichloroethylene	9.06	1.0	µg/L	10.0		90.6	70-130	6.38	25	
1,2-Dichloropropane	8.96	1.0	µg/L	10.0		89.6	70-130	2.83	25	
cis-1,3-Dichloropropene	9.62	0.50	µg/L	10.0		96.2	70-130	0.626	25	
trans-1,3-Dichloropropene	9.98	0.50	µg/L	10.0		99.8	70-130	1.82	25	
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130	0.850	25	
2-Hexanone (MBK)	98.0	10	µg/L	100		98.0	70-160	4.57	25	†
Isopropylbenzene (Cumene)	10.6	1.0	µg/L	10.0		106	70-130	0.658	25	
p-Isopropyltoluene (p-Cymene)	9.83	1.0	µg/L	10.0		98.3	70-130	1.54	25	
Methyl Acetate	8.03	1.0	µg/L	10.0		80.3	70-130	2.70	25	V-05, V-36
Methyl tert-Butyl Ether (MTBE)	9.73	1.0	µg/L	10.0		97.3	70-130	2.39	25	
Methyl Cyclohexane	9.49	1.0	µg/L	10.0		94.9	70-130	1.15	25	
Methylene Chloride	9.41	5.0	µg/L	10.0		94.1	70-130	3.57	25	
4-Methyl-2-pentanone (MIBK)	97.4	10	µg/L	100		97.4	70-160	2.88	25	†
Naphthalene	8.52	2.0	µg/L	10.0		85.2	40-130	1.28	25	†
n-Propylbenzene	10.4	1.0	µg/L	10.0		104	70-130	1.55	25	
Styrene	10.1	1.0	µg/L	10.0		101	70-130	0.595	25	
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130	1.56	25	
Tetrachloroethylene	10.5	1.0	µg/L	10.0		105	70-130	1.73	25	
Toluene	10.1	1.0	µg/L	10.0		101	70-130	0.796	25	
1,2,3-Trichlorobenzene	8.51	5.0	µg/L	10.0		85.1	70-130	0.469	25	
1,2,4-Trichlorobenzene	9.33	1.0	µg/L	10.0		93.3	70-130	0.215	25	
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	2.10	25	
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130	0.397	25	
Trichloroethylene	9.88	1.0	µg/L	10.0		98.8	70-130	0.907	25	
Trichlorofluoromethane (Freon 11)	11.7	2.0	µg/L	10.0		117	70-130	0.342	25	
1,2,3-Trichloropropane	10.2	2.0	µg/L	10.0		102	70-130	2.04	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7	1.0	µg/L	10.0		107	70-130	0.468	25	
1,2,4-Trimethylbenzene	9.86	1.0	µg/L	10.0		98.6	70-130	2.36	25	
1,3,5-Trimethylbenzene	10.5	1.0	µg/L	10.0		105	70-130	0.850	25	
Vinyl Chloride	7.94	2.0	µg/L	10.0		79.4	40-160	0.377	25	†
m+p Xylene	21.3	2.0	µg/L	20.0		107	70-130	0.281	25	
o-Xylene	10.9	1.0	µg/L	10.0		109	70-130	0.275	25	
Xylenes (total)	32.2	1.0	µg/L	30.0		108	0-200	0.0930		
Surrogate: 1,2-Dichloroethane-d4	23.9		µg/L	25.0		95.4	70-130			
Surrogate: Toluene-d8	23.6		µg/L	25.0		94.6	70-130			
Surrogate: 4-Bromofluorobenzene	26.6		µg/L	25.0		106	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.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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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
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,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
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,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
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	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
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
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	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	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.



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*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

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 Geologic
 Project Winatrc
 MCP/RCP Required N/A
 Deliverable Package Requirement N/A
 Location NY
 PWSID# (When Applicable) N/A
 Arrival Method:
 Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐
 Received By / Date / Time AA M 6/14/24 1045
 Back-Sheet By / Date / Time SM 6/14/24 1630
 Temperature Method Gun # 5
 WV samples: Yes (see note*) / ☒ No (follow normal procedure)
 Temp ☒ < 6° C Actual Temperature 3.2
 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: <u>N/A</u> ☐ ☐		

Additional Container Notes

***Note: West Virginia requires all samples to have their temperature taken. Note any outliers.**

[illegible]

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Christopher T Gabriel
Geologic NY Inc
PO BOX 350
37 Copeland Ave
Homer, New York 13077

Generated 7/17/2024 9:52:44 AM

JOB DESCRIPTION

GeoLogic Project #218010 - Remedial System

JOB NUMBER

480-221631-1

Eurofins Buffalo

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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7/17/2024 9:52:44 AM

Authorized for release by
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Definitions/Glossary

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Remedial System

Job ID: 480-221631-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Geologic NY Inc
Project: GeoLogic Project #218010 - Remedial System

Job ID: 480-221631-1

Job ID: 480-221631-1

Eurofins Buffalo

Job Narrative 480-221631-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 7/13/2024 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

GC/MS VOA

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: INFLUENT (480-221631-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Detection Summary

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Remedial System

Job ID: 480-221631-1

Client Sample ID: INFLUENT

Lab Sample ID: 480-221631-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	170		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: MIDDLE

Lab Sample ID: 480-221631-2

No Detections.

Client Sample ID: EFFLUENT

Lab Sample ID: 480-221631-3

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Remedial System

Job ID: 480-221631-1

Client Sample ID: INFLUENT

Lab Sample ID: 480-221631-1

Date Collected: 07/11/24 14:10

Matrix: Water

Date Received: 07/13/24 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			07/15/24 21:39	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			07/15/24 21:39	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			07/15/24 21:39	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/15/24 21:39	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			07/15/24 21:39	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			07/15/24 21:39	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			07/15/24 21:39	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			07/15/24 21:39	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			07/15/24 21:39	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			07/15/24 21:39	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			07/15/24 21:39	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			07/15/24 21:39	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			07/15/24 21:39	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			07/15/24 21:39	5
2-Butanone (MEK)	ND		50	6.6	ug/L			07/15/24 21:39	5
2-Hexanone	ND		25	6.2	ug/L			07/15/24 21:39	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			07/15/24 21:39	5
Acetone	ND		50	15	ug/L			07/15/24 21:39	5
Benzene	ND		5.0	2.1	ug/L			07/15/24 21:39	5
Bromodichloromethane	ND		5.0	2.0	ug/L			07/15/24 21:39	5
Bromoform	ND		5.0	1.3	ug/L			07/15/24 21:39	5
Bromomethane	ND		5.0	3.5	ug/L			07/15/24 21:39	5
Carbon disulfide	ND		5.0	0.95	ug/L			07/15/24 21:39	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			07/15/24 21:39	5
Chlorobenzene	ND		5.0	3.8	ug/L			07/15/24 21:39	5
Chloroethane	ND		5.0	1.6	ug/L			07/15/24 21:39	5
Chloroform	ND		5.0	1.7	ug/L			07/15/24 21:39	5
Chloromethane	ND		5.0	1.8	ug/L			07/15/24 21:39	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			07/15/24 21:39	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			07/15/24 21:39	5
Cyclohexane	ND		5.0	0.90	ug/L			07/15/24 21:39	5
Dibromochloromethane	ND		5.0	1.6	ug/L			07/15/24 21:39	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			07/15/24 21:39	5
Ethylbenzene	ND		5.0	3.7	ug/L			07/15/24 21:39	5
Isopropylbenzene	ND		5.0	4.0	ug/L			07/15/24 21:39	5
Methyl acetate	ND		13	6.5	ug/L			07/15/24 21:39	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			07/15/24 21:39	5
Methylcyclohexane	ND		5.0	0.80	ug/L			07/15/24 21:39	5
Methylene Chloride	ND		5.0	2.2	ug/L			07/15/24 21:39	5
Styrene	ND		5.0	3.7	ug/L			07/15/24 21:39	5
Tetrachloroethene	ND		5.0	1.8	ug/L			07/15/24 21:39	5
Toluene	ND		5.0	2.6	ug/L			07/15/24 21:39	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			07/15/24 21:39	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			07/15/24 21:39	5
Trichloroethene	170		5.0	2.3	ug/L			07/15/24 21:39	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			07/15/24 21:39	5
Vinyl chloride	ND		5.0	4.5	ug/L			07/15/24 21:39	5
Xylenes, Total	ND		10	3.3	ug/L			07/15/24 21:39	5

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Client Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Remedial System

Job ID: 480-221631-1

Client Sample ID: INFLUENT

Date Collected: 07/11/24 14:10

Date Received: 07/13/24 10:00

Lab Sample ID: 480-221631-1

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		07/15/24 21:39	5
4-Bromofluorobenzene (Surr)	88		73 - 120		07/15/24 21:39	5
Dibromofluoromethane (Surr)	89		75 - 123		07/15/24 21:39	5
Toluene-d8 (Surr)	94		80 - 120		07/15/24 21:39	5

Client Sample ID: MIDDLE

Date Collected: 07/11/24 14:05

Date Received: 07/13/24 10:00

Lab Sample ID: 480-221631-2

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/15/24 22:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/15/24 22:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/15/24 22:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/15/24 22:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/15/24 22:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/15/24 22:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/15/24 22:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/15/24 22:04	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/15/24 22:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/15/24 22:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/15/24 22:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/15/24 22:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/15/24 22:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/15/24 22:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/15/24 22:04	1
2-Hexanone	ND		5.0	1.2	ug/L			07/15/24 22:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/15/24 22:04	1
Acetone	ND		10	3.0	ug/L			07/15/24 22:04	1
Benzene	ND		1.0	0.41	ug/L			07/15/24 22:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/15/24 22:04	1
Bromoform	ND		1.0	0.26	ug/L			07/15/24 22:04	1
Bromomethane	ND		1.0	0.69	ug/L			07/15/24 22:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/15/24 22:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/15/24 22:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/15/24 22:04	1
Chloroethane	ND		1.0	0.32	ug/L			07/15/24 22:04	1
Chloroform	ND		1.0	0.34	ug/L			07/15/24 22:04	1
Chloromethane	ND		1.0	0.35	ug/L			07/15/24 22:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/15/24 22:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/15/24 22:04	1
Cyclohexane	ND		1.0	0.18	ug/L			07/15/24 22:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/15/24 22:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/15/24 22:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/15/24 22:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/15/24 22:04	1
Methyl acetate	ND		2.5	1.3	ug/L			07/15/24 22:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/15/24 22:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/15/24 22:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/15/24 22:04	1

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Client Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Remedial System

Job ID: 480-221631-1

Client Sample ID: MIDDLE

Lab Sample ID: 480-221631-2

Date Collected: 07/11/24 14:05

Matrix: Water

Date Received: 07/13/24 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			07/15/24 22:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/15/24 22:04	1
Toluene	ND		1.0	0.51	ug/L			07/15/24 22:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/15/24 22:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/15/24 22:04	1
Trichloroethene	ND		1.0	0.46	ug/L			07/15/24 22:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/15/24 22:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/15/24 22:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/15/24 22:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		07/15/24 22:04	1
4-Bromofluorobenzene (Surr)	93		73 - 120		07/15/24 22:04	1
Dibromofluoromethane (Surr)	90		75 - 123		07/15/24 22:04	1
Toluene-d8 (Surr)	97		80 - 120		07/15/24 22:04	1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-221631-3

Date Collected: 07/11/24 14:00

Matrix: Water

Date Received: 07/13/24 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/15/24 22:28	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/15/24 22:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/15/24 22:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/15/24 22:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/15/24 22:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/15/24 22:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/15/24 22:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/15/24 22:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/15/24 22:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/15/24 22:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/15/24 22:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/15/24 22:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/15/24 22:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/15/24 22:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/15/24 22:28	1
2-Hexanone	ND		5.0	1.2	ug/L			07/15/24 22:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/15/24 22:28	1
Acetone	ND		10	3.0	ug/L			07/15/24 22:28	1
Benzene	ND		1.0	0.41	ug/L			07/15/24 22:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/15/24 22:28	1
Bromoform	ND		1.0	0.26	ug/L			07/15/24 22:28	1
Bromomethane	ND		1.0	0.69	ug/L			07/15/24 22:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/15/24 22:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/15/24 22:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/15/24 22:28	1
Chloroethane	ND		1.0	0.32	ug/L			07/15/24 22:28	1
Chloroform	ND		1.0	0.34	ug/L			07/15/24 22:28	1
Chloromethane	ND		1.0	0.35	ug/L			07/15/24 22:28	1

Eurofins Buffalo

Client Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Remedial System

Job ID: 480-221631-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-221631-3

Date Collected: 07/11/24 14:00

Matrix: Water

Date Received: 07/13/24 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/15/24 22:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/15/24 22:28	1
Cyclohexane	ND		1.0	0.18	ug/L			07/15/24 22:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/15/24 22:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/15/24 22:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/15/24 22:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/15/24 22:28	1
Methyl acetate	ND		2.5	1.3	ug/L			07/15/24 22:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/15/24 22:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/15/24 22:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/15/24 22:28	1
Styrene	ND		1.0	0.73	ug/L			07/15/24 22:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/15/24 22:28	1
Toluene	ND		1.0	0.51	ug/L			07/15/24 22:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/15/24 22:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/15/24 22:28	1
Trichloroethene	ND		1.0	0.46	ug/L			07/15/24 22:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/15/24 22:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/15/24 22:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/15/24 22:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		07/15/24 22:28	1
4-Bromofluorobenzene (Surr)	95		73 - 120		07/15/24 22:28	1
Dibromofluoromethane (Surr)	91		75 - 123		07/15/24 22:28	1
Toluene-d8 (Surr)	98		80 - 120		07/15/24 22:28	1

Surrogate Summary

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Remedial System

Job ID: 480-221631-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA	BFB	DBFM	TOL
		(77-120)	(73-120)	(75-123)	(80-120)
480-221631-1	INFLUENT	95	88	89	94
480-221631-2	MIDDLE	95	93	90	97
480-221631-3	EFFLUENT	96	95	91	98
LCS 480-718416/6	Lab Control Sample	92	90	90	93
LCSD 480-718416/27	Lab Control Sample Dup	97	91	91	94
MB 480-718416/8	Method Blank	91	88	89	92

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Remedial System

Job ID: 480-221631-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-718416/8

Matrix: Water

Analysis Batch: 718416

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/15/24 15:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/15/24 15:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/15/24 15:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/15/24 15:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/15/24 15:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/15/24 15:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/15/24 15:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/15/24 15:44	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/15/24 15:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/15/24 15:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/15/24 15:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/15/24 15:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/15/24 15:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/15/24 15:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/15/24 15:44	1
2-Hexanone	ND		5.0	1.2	ug/L			07/15/24 15:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/15/24 15:44	1
Acetone	ND		10	3.0	ug/L			07/15/24 15:44	1
Benzene	ND		1.0	0.41	ug/L			07/15/24 15:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/15/24 15:44	1
Bromoform	ND		1.0	0.26	ug/L			07/15/24 15:44	1
Bromomethane	ND		1.0	0.69	ug/L			07/15/24 15:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/15/24 15:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/15/24 15:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/15/24 15:44	1
Chloroethane	ND		1.0	0.32	ug/L			07/15/24 15:44	1
Chloroform	ND		1.0	0.34	ug/L			07/15/24 15:44	1
Chloromethane	ND		1.0	0.35	ug/L			07/15/24 15:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/15/24 15:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/15/24 15:44	1
Cyclohexane	ND		1.0	0.18	ug/L			07/15/24 15:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/15/24 15:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/15/24 15:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/15/24 15:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/15/24 15:44	1
Methyl acetate	ND		2.5	1.3	ug/L			07/15/24 15:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/15/24 15:44	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/15/24 15:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/15/24 15:44	1
Styrene	ND		1.0	0.73	ug/L			07/15/24 15:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/15/24 15:44	1
Toluene	ND		1.0	0.51	ug/L			07/15/24 15:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/15/24 15:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/15/24 15:44	1
Trichloroethene	ND		1.0	0.46	ug/L			07/15/24 15:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/15/24 15:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/15/24 15:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/15/24 15:44	1

Eurolins Buffalo

QC Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Remedial System

Job ID: 480-221631-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-718416/8

Matrix: Water

Analysis Batch: 718416

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 120		07/15/24 15:44	1
4-Bromofluorobenzene (Surr)	88		73 - 120		07/15/24 15:44	1
Dibromofluoromethane (Surr)	89		75 - 123		07/15/24 15:44	1
Toluene-d8 (Surr)	92		80 - 120		07/15/24 15:44	1

Lab Sample ID: LCS 480-718416/6

Matrix: Water

Analysis Batch: 718416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	25.5		ug/L		102	73 - 126
1,1,1,2-Tetrachloroethane	25.0	23.9		ug/L		96	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.9		ug/L		96	61 - 148
1,1,2-Trichloroethane	25.0	24.0		ug/L		96	76 - 122
1,1-Dichloroethane	25.0	24.2		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	24.9		ug/L		100	66 - 127
1,2,4-Trichlorobenzene	25.0	22.9		ug/L		92	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	27.0		ug/L		108	56 - 134
1,2-Dibromoethane	25.0	24.2		ug/L		97	77 - 120
1,2-Dichlorobenzene	25.0	23.2		ug/L		93	80 - 124
1,2-Dichloroethane	25.0	23.0		ug/L		92	75 - 120
1,2-Dichloropropane	25.0	24.0		ug/L		96	76 - 120
1,3-Dichlorobenzene	25.0	23.1		ug/L		92	77 - 120
1,4-Dichlorobenzene	25.0	22.6		ug/L		90	80 - 120
2-Butanone (MEK)	125	124		ug/L		99	57 - 140
2-Hexanone	125	134		ug/L		107	65 - 127
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		101	71 - 125
Acetone	125	122		ug/L		98	56 - 142
Benzene	25.0	23.4		ug/L		94	71 - 124
Bromodichloromethane	25.0	24.3		ug/L		97	80 - 122
Bromoform	25.0	26.4		ug/L		106	61 - 132
Bromomethane	25.0	23.0		ug/L		92	55 - 144
Carbon disulfide	25.0	24.2		ug/L		97	59 - 134
Carbon tetrachloride	25.0	26.6		ug/L		106	72 - 134
Chlorobenzene	25.0	23.5		ug/L		94	80 - 120
Chloroethane	25.0	24.1		ug/L		96	69 - 136
Chloroform	25.0	22.2		ug/L		89	73 - 127
Chloromethane	25.0	24.7		ug/L		99	68 - 124
cis-1,2-Dichloroethene	25.0	23.7		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	24.7		ug/L		99	74 - 124
Cyclohexane	25.0	27.5		ug/L		110	59 - 135
Dibromochloromethane	25.0	25.0		ug/L		100	75 - 125
Dichlorodifluoromethane	25.0	25.6		ug/L		102	59 - 135
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123
Isopropylbenzene	25.0	24.3		ug/L		97	77 - 122
Methyl acetate	50.0	47.1		ug/L		94	74 - 133
Methyl tert-butyl ether	25.0	23.0		ug/L		92	77 - 120
Methylcyclohexane	25.0	26.0		ug/L		104	68 - 134

Eurofins Buffalo

QC Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Remedial System

Job ID: 480-221631-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-718416/6

Matrix: Water

Analysis Batch: 718416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	23.4		ug/L		93	75 - 124
Styrene	25.0	24.4		ug/L		98	80 - 120
Tetrachloroethene	25.0	24.0		ug/L		96	74 - 122
Toluene	25.0	23.7		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	24.0		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	25.7		ug/L		103	80 - 120
Trichloroethene	25.0	23.8		ug/L		95	74 - 123
Trichlorofluoromethane	25.0	24.8		ug/L		99	62 - 150
Vinyl chloride	25.0	25.8		ug/L		103	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		77 - 120
4-Bromofluorobenzene (Surr)	90		73 - 120
Dibromofluoromethane (Surr)	90		75 - 123
Toluene-d8 (Surr)	93		80 - 120

Lab Sample ID: LCSD 480-718416/27

Matrix: Water

Analysis Batch: 718416

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	25.4		ug/L		102	73 - 126	0	15
1,1,2,2-Tetrachloroethane	25.0	24.3		ug/L		97	76 - 120	2	15
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.7		ug/L		95	61 - 148	1	20
1,1,2-Trichloroethane	25.0	24.5		ug/L		98	76 - 122	2	15
1,1-Dichloroethane	25.0	25.3		ug/L		101	77 - 120	4	20
1,1-Dichloroethene	25.0	24.9		ug/L		99	66 - 127	0	16
1,2,4-Trichlorobenzene	25.0	22.8		ug/L		91	79 - 122	0	20
1,2-Dibromo-3-Chloropropane	25.0	26.2		ug/L		105	56 - 134	3	15
1,2-Dibromoethane	25.0	24.5		ug/L		98	77 - 120	1	15
1,2-Dichlorobenzene	25.0	23.1		ug/L		92	80 - 124	1	20
1,2-Dichloroethane	25.0	24.2		ug/L		97	75 - 120	5	20
1,2-Dichloropropane	25.0	24.7		ug/L		99	76 - 120	3	20
1,3-Dichlorobenzene	25.0	22.9		ug/L		92	77 - 120	1	20
1,4-Dichlorobenzene	25.0	22.5		ug/L		90	80 - 120	0	20
2-Butanone (MEK)	125	134		ug/L		107	57 - 140	8	20
2-Hexanone	125	136		ug/L		109	65 - 127	2	15
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	71 - 125	4	35
Acetone	125	131		ug/L		105	56 - 142	7	15
Benzene	25.0	23.9		ug/L		96	71 - 124	2	13
Bromodichloromethane	25.0	24.6		ug/L		99	80 - 122	1	15
Bromoform	25.0	24.6		ug/L		98	61 - 132	7	15
Bromomethane	25.0	23.0		ug/L		92	55 - 144	0	15
Carbon disulfide	25.0	23.9		ug/L		96	59 - 134	1	15
Carbon tetrachloride	25.0	25.5		ug/L		102	72 - 134	4	15
Chlorobenzene	25.0	23.6		ug/L		94	80 - 120	0	25
Chloroethane	25.0	25.0		ug/L		100	69 - 136	4	15
Chloroform	25.0	22.8		ug/L		91	73 - 127	3	20

Eurofins Buffalo

QC Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Remedial System

Job ID: 480-221631-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-718416/27

Matrix: Water

Analysis Batch: 718416

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane	25.0	25.5		ug/L		102	68 - 124	3	15
cis-1,2-Dichloroethene	25.0	24.3		ug/L		97	74 - 124	3	15
cis-1,3-Dichloropropene	25.0	24.1		ug/L		96	74 - 124	2	15
Cyclohexane	25.0	27.3		ug/L		109	59 - 135	1	20
Dibromochloromethane	25.0	24.5		ug/L		98	75 - 125	2	15
Dichlorodifluoromethane	25.0	25.5		ug/L		102	59 - 135	1	20
Ethylbenzene	25.0	24.4		ug/L		98	77 - 123	1	15
Isopropylbenzene	25.0	24.4		ug/L		98	77 - 122	0	20
Methyl acetate	50.0	51.2		ug/L		102	74 - 133	8	20
Methyl tert-butyl ether	25.0	23.6		ug/L		94	77 - 120	2	37
Methylcyclohexane	25.0	25.5		ug/L		102	68 - 134	2	20
Methylene Chloride	25.0	24.4		ug/L		98	75 - 124	4	15
Styrene	25.0	24.3		ug/L		97	80 - 120	0	20
Tetrachloroethene	25.0	23.6		ug/L		94	74 - 122	2	20
Toluene	25.0	23.3		ug/L		93	80 - 122	2	15
trans-1,2-Dichloroethene	25.0	24.3		ug/L		97	73 - 127	1	20
trans-1,3-Dichloropropene	25.0	25.0		ug/L		100	80 - 120	3	15
Trichloroethene	25.0	24.2		ug/L		97	74 - 123	2	16
Trichlorofluoromethane	25.0	25.1		ug/L		100	62 - 150	1	20
Vinyl chloride	25.0	26.8		ug/L		107	65 - 133	4	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		77 - 120
4-Bromofluorobenzene (Surr)	91		73 - 120
Dibromofluoromethane (Surr)	91		75 - 123
Toluene-d8 (Surr)	94		80 - 120

QC Association Summary

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Remedial System

Job ID: 480-221631-1

GC/MS VOA

Analysis Batch: 718416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221631-1	INFLUENT	Total/NA	Water	8260C	
480-221631-2	MIDDLE	Total/NA	Water	8260C	
480-221631-3	EFFLUENT	Total/NA	Water	8260C	
MB 480-718416/8	Method Blank	Total/NA	Water	8260C	
LCS 480-718416/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-718416/27	Lab Control Sample Dup	Total/NA	Water	8260C	

Lab Chronicle

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Remedial System

Job ID: 480-221631-1

Client Sample ID: INFLUENT
Date Collected: 07/11/24 14:10
Date Received: 07/13/24 10:00

Lab Sample ID: 480-221631-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		5	718416	ERS	EET BUF	07/15/24 21:39

Client Sample ID: MIDDLE
Date Collected: 07/11/24 14:05
Date Received: 07/13/24 10:00

Lab Sample ID: 480-221631-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	718416	ERS	EET BUF	07/15/24 22:04

Client Sample ID: EFFLUENT
Date Collected: 07/11/24 14:00
Date Received: 07/13/24 10:00

Lab Sample ID: 480-221631-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	718416	ERS	EET BUF	07/15/24 22:28

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Remedial System

Job ID: 480-221631-1

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

- 1
- 2
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Method Summary

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Remedial System

Job ID: 480-221631-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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Sample Summary

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Remedial System

Job ID: 480-221631-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-221631-1	INFLUENT	Water	07/11/24 14:10	07/13/24 10:00
480-221631-2	MIDDLE	Water	07/11/24 14:05	07/13/24 10:00
480-221631-3	EFFLUENT	Water	07/11/24 14:00	07/13/24 10:00

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Eurofins Buffalo

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record



Environment Testing

Client Information		Sampler		Lab PM		COC No	
Client Contact Mr. Christopher Gabriel		Joe Menze		Beninati, John		480-197588-39210.1	
Company Geologic NY Inc		Phone 607-749-5000		E-Mail John.Beninati@et.eurofinsus.com		Page Page 1 of 1	
Address PO BOX 350 37 Copeland Ave		City Homer		State NY		Job #	
State, Zip NY, 13077		Compliance Project 218010		Analysis Requested		Preservation Codes: A - HCL	
Phone 607-749-5000(Tel)		WO #		Due Date Requested: Standard		Other:	
Email ChrisG@geologic.net		Project # 48026508		TAT Requested (days):		Total Number of Containers	
Project Name Project #218010 - Remedial System		Site		Compliance Project: ☐ Yes ☒ No		Special Instructions/Note:	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)	
Matrix (W=water, S=solid, O=oil, A=air)		Preservation Code		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	
Influent		7-11-24		14:10		G	
Middle		7-11-24		14:05		G	
Effluent		7-11-24		14:00		G	
Sample Disposal (A fee may be assessed)		Return To Client		Disposal By Lab		Archive For	
Deliverable Requested: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Empty Kit Relinquished by:		Date:		Method of Shipment	
Relinquished by: <i>Y. Ma</i>		Date/Time: 7-12-24 14:20		Company: GNY		Received by: <i>John Beninati</i>	
Relinquished by: <i>R.C. Wright</i>		Date/Time: 7-12-24 19:00		Company: <i>GP</i>		Received by: <i>John Beninati</i>	
Relinquished by:		Date/Time:		Company:		Received by:	
Custody Seals Intact: ☐ Yes ☒ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 2.9 ICE		Date/Time: 7-12-24 14:20	
Company: <i>ESSEA</i>		Date/Time: 7-13-24 1000		Company: <i>TAB</i>		Date/Time:	

Login Sample Receipt Checklist

Client: Geologic NY Inc

Job Number: 480-221631-1

Login Number: 221631

List Number: 1

Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GNY
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Christopher T Gabriel
Geologic NY Inc
PO BOX 350
37 Copeland Ave
Homer, New York 13077

Generated 7/18/2024 9:36:22 AM

JOB DESCRIPTION

GeoLogic Project #218010 - Monitoring Wells

JOB NUMBER

480-221633-1

Eurofins Buffalo

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
7/18/2024 9:36:22 AM

Authorized for release by
John Beninati, Project Manager I
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Definitions/Glossary

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Geologic NY Inc
Project: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Job ID: 480-221633-1

Eurofins Buffalo

Job Narrative 480-221633-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 7/13/2024 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

GC/MS VOA

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-7R (480-221633-6), (480-221633-A-6 MS) and (480-221633-A-6 MSD). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Detection Summary

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Client Sample ID: MW-1

Lab Sample ID: 480-221633-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.9		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-2

Lab Sample ID: 480-221633-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	8.5		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-3

Lab Sample ID: 480-221633-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.98	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-5

Lab Sample ID: 480-221633-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.7		1.0	0.82	ug/L	1		8260C	Total/NA
Trichloroethene	1.0		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-6

Lab Sample ID: 480-221633-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.68	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-7R

Lab Sample ID: 480-221633-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	23		10	8.1	ug/L	10		8260C	Total/NA
Trichloroethene	660	F1	10	4.6	ug/L	10		8260C	Total/NA

Client Sample ID: MW-15

Lab Sample ID: 480-221633-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Client Sample ID: MW-1

Lab Sample ID: 480-221633-1

Date Collected: 07/11/24 11:45

Matrix: Water

Date Received: 07/13/24 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/16/24 15:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/16/24 15:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/16/24 15:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/16/24 15:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/16/24 15:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/16/24 15:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/16/24 15:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/16/24 15:38	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/16/24 15:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/16/24 15:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/16/24 15:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/16/24 15:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/16/24 15:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/16/24 15:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/16/24 15:38	1
2-Hexanone	ND		5.0	1.2	ug/L			07/16/24 15:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/16/24 15:38	1
Acetone	ND		10	3.0	ug/L			07/16/24 15:38	1
Benzene	ND		1.0	0.41	ug/L			07/16/24 15:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/16/24 15:38	1
Bromoform	ND		1.0	0.26	ug/L			07/16/24 15:38	1
Bromomethane	ND		1.0	0.69	ug/L			07/16/24 15:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/16/24 15:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/16/24 15:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/16/24 15:38	1
Chloroethane	ND		1.0	0.32	ug/L			07/16/24 15:38	1
Chloroform	ND		1.0	0.34	ug/L			07/16/24 15:38	1
Chloromethane	ND		1.0	0.35	ug/L			07/16/24 15:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/16/24 15:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/16/24 15:38	1
Cyclohexane	ND		1.0	0.18	ug/L			07/16/24 15:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/16/24 15:38	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/16/24 15:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/16/24 15:38	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/16/24 15:38	1
Methyl acetate	ND		2.5	1.3	ug/L			07/16/24 15:38	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/16/24 15:38	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/16/24 15:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/16/24 15:38	1
Styrene	ND		1.0	0.73	ug/L			07/16/24 15:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/16/24 15:38	1
Toluene	ND		1.0	0.51	ug/L			07/16/24 15:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/16/24 15:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/16/24 15:38	1
Trichloroethene	1.9		1.0	0.46	ug/L			07/16/24 15:38	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/16/24 15:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/16/24 15:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/16/24 15:38	1

Eurofins Buffalo

Client Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Client Sample ID: MW-1

Date Collected: 07/11/24 11:45

Date Received: 07/13/24 10:00

Lab Sample ID: 480-221633-1

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		07/16/24 15:38	1
4-Bromofluorobenzene (Surr)	102		73 - 120		07/16/24 15:38	1
Dibromofluoromethane (Surr)	104		75 - 123		07/16/24 15:38	1
Toluene-d8 (Surr)	100		80 - 120		07/16/24 15:38	1

Client Sample ID: MW-2

Date Collected: 07/11/24 12:28

Date Received: 07/13/24 10:00

Lab Sample ID: 480-221633-2

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/16/24 16:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/16/24 16:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/16/24 16:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/16/24 16:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/16/24 16:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/16/24 16:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/16/24 16:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/16/24 16:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/16/24 16:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/16/24 16:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/16/24 16:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/16/24 16:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/16/24 16:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/16/24 16:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/16/24 16:00	1
2-Hexanone	ND		5.0	1.2	ug/L			07/16/24 16:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/16/24 16:00	1
Acetone	ND		10	3.0	ug/L			07/16/24 16:00	1
Benzene	ND		1.0	0.41	ug/L			07/16/24 16:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/16/24 16:00	1
Bromoform	ND		1.0	0.26	ug/L			07/16/24 16:00	1
Bromomethane	ND		1.0	0.69	ug/L			07/16/24 16:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/16/24 16:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/16/24 16:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/16/24 16:00	1
Chloroethane	ND		1.0	0.32	ug/L			07/16/24 16:00	1
Chloroform	ND		1.0	0.34	ug/L			07/16/24 16:00	1
Chloromethane	ND		1.0	0.35	ug/L			07/16/24 16:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/16/24 16:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/16/24 16:00	1
Cyclohexane	ND		1.0	0.18	ug/L			07/16/24 16:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/16/24 16:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/16/24 16:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/16/24 16:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/16/24 16:00	1
Methyl acetate	ND		2.5	1.3	ug/L			07/16/24 16:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/16/24 16:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/16/24 16:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/16/24 16:00	1

Eurofins Buffalo

Client Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Client Sample ID: MW-2

Date Collected: 07/11/24 12:28

Date Received: 07/13/24 10:00

Lab Sample ID: 480-221633-2

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			07/16/24 16:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/16/24 16:00	1
Toluene	ND		1.0	0.51	ug/L			07/16/24 16:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/16/24 16:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/16/24 16:00	1
Trichloroethene	8.5		1.0	0.46	ug/L			07/16/24 16:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/16/24 16:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/16/24 16:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/16/24 16:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		07/16/24 16:00	1
4-Bromofluorobenzene (Surr)	99		73 - 120		07/16/24 16:00	1
Dibromofluoromethane (Surr)	104		75 - 123		07/16/24 16:00	1
Toluene-d8 (Surr)	98		80 - 120		07/16/24 16:00	1

Client Sample ID: MW-3

Date Collected: 07/11/24 11:15

Date Received: 07/13/24 10:00

Lab Sample ID: 480-221633-3

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/16/24 16:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/16/24 16:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/16/24 16:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/16/24 16:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/16/24 16:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/16/24 16:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/16/24 16:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/16/24 16:22	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/16/24 16:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/16/24 16:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/16/24 16:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/16/24 16:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/16/24 16:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/16/24 16:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/16/24 16:22	1
2-Hexanone	ND		5.0	1.2	ug/L			07/16/24 16:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/16/24 16:22	1
Acetone	ND		10	3.0	ug/L			07/16/24 16:22	1
Benzene	ND		1.0	0.41	ug/L			07/16/24 16:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/16/24 16:22	1
Bromoform	ND		1.0	0.26	ug/L			07/16/24 16:22	1
Bromomethane	ND		1.0	0.69	ug/L			07/16/24 16:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/16/24 16:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/16/24 16:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/16/24 16:22	1
Chloroethane	ND		1.0	0.32	ug/L			07/16/24 16:22	1
Chloroform	ND		1.0	0.34	ug/L			07/16/24 16:22	1
Chloromethane	ND		1.0	0.35	ug/L			07/16/24 16:22	1

Eurofins Buffalo

Client Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Client Sample ID: MW-3

Lab Sample ID: 480-221633-3

Date Collected: 07/11/24 11:15

Matrix: Water

Date Received: 07/13/24 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/16/24 16:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/16/24 16:22	1
Cyclohexane	ND		1.0	0.18	ug/L			07/16/24 16:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/16/24 16:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/16/24 16:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/16/24 16:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/16/24 16:22	1
Methyl acetate	ND		2.5	1.3	ug/L			07/16/24 16:22	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/16/24 16:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/16/24 16:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/16/24 16:22	1
Styrene	ND		1.0	0.73	ug/L			07/16/24 16:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/16/24 16:22	1
Toluene	ND		1.0	0.51	ug/L			07/16/24 16:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/16/24 16:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/16/24 16:22	1
Trichloroethene	0.98	J	1.0	0.46	ug/L			07/16/24 16:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/16/24 16:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/16/24 16:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/16/24 16:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		07/16/24 16:22	1
4-Bromofluorobenzene (Surr)	101		73 - 120		07/16/24 16:22	1
Dibromofluoromethane (Surr)	105		75 - 123		07/16/24 16:22	1
Toluene-d8 (Surr)	99		80 - 120		07/16/24 16:22	1

Client Sample ID: MW-5

Lab Sample ID: 480-221633-4

Date Collected: 07/11/24 10:15

Matrix: Water

Date Received: 07/13/24 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.7		1.0	0.82	ug/L			07/16/24 16:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/16/24 16:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/16/24 16:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/16/24 16:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/16/24 16:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/16/24 16:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/16/24 16:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/16/24 16:44	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/16/24 16:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/16/24 16:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/16/24 16:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/16/24 16:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/16/24 16:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/16/24 16:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/16/24 16:44	1
2-Hexanone	ND		5.0	1.2	ug/L			07/16/24 16:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/16/24 16:44	1

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Client Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Client Sample ID: MW-5

Lab Sample ID: 480-221633-4

Date Collected: 07/11/24 10:15

Matrix: Water

Date Received: 07/13/24 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			07/16/24 16:44	1
Benzene	ND		1.0	0.41	ug/L			07/16/24 16:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/16/24 16:44	1
Bromoform	ND		1.0	0.26	ug/L			07/16/24 16:44	1
Bromomethane	ND		1.0	0.69	ug/L			07/16/24 16:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/16/24 16:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/16/24 16:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/16/24 16:44	1
Chloroethane	ND		1.0	0.32	ug/L			07/16/24 16:44	1
Chloroform	ND		1.0	0.34	ug/L			07/16/24 16:44	1
Chloromethane	ND		1.0	0.35	ug/L			07/16/24 16:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/16/24 16:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/16/24 16:44	1
Cyclohexane	ND		1.0	0.18	ug/L			07/16/24 16:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/16/24 16:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/16/24 16:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/16/24 16:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/16/24 16:44	1
Methyl acetate	ND		2.5	1.3	ug/L			07/16/24 16:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/16/24 16:44	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/16/24 16:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/16/24 16:44	1
Styrene	ND		1.0	0.73	ug/L			07/16/24 16:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/16/24 16:44	1
Toluene	ND		1.0	0.51	ug/L			07/16/24 16:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/16/24 16:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/16/24 16:44	1
Trichloroethene	1.0		1.0	0.46	ug/L			07/16/24 16:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/16/24 16:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/16/24 16:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/16/24 16:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		07/16/24 16:44	1
4-Bromofluorobenzene (Surr)	99		73 - 120		07/16/24 16:44	1
Dibromofluoromethane (Surr)	103		75 - 123		07/16/24 16:44	1
Toluene-d8 (Surr)	98		80 - 120		07/16/24 16:44	1

Client Sample ID: MW-6

Lab Sample ID: 480-221633-5

Date Collected: 07/11/24 13:40

Matrix: Water

Date Received: 07/13/24 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/15/24 22:53	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/15/24 22:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/15/24 22:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/15/24 22:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/15/24 22:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/15/24 22:53	1

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Client Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Client Sample ID: MW-6

Lab Sample ID: 480-221633-5

Date Collected: 07/11/24 13:40

Matrix: Water

Date Received: 07/13/24 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/15/24 22:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/15/24 22:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/15/24 22:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/15/24 22:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/15/24 22:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/15/24 22:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/15/24 22:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/15/24 22:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/15/24 22:53	1
2-Hexanone	ND		5.0	1.2	ug/L			07/15/24 22:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/15/24 22:53	1
Acetone	ND		10	3.0	ug/L			07/15/24 22:53	1
Benzene	ND		1.0	0.41	ug/L			07/15/24 22:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/15/24 22:53	1
Bromoform	ND		1.0	0.26	ug/L			07/15/24 22:53	1
Bromomethane	ND		1.0	0.69	ug/L			07/15/24 22:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/15/24 22:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/15/24 22:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/15/24 22:53	1
Chloroethane	ND		1.0	0.32	ug/L			07/15/24 22:53	1
Chloroform	ND		1.0	0.34	ug/L			07/15/24 22:53	1
Chloromethane	ND		1.0	0.35	ug/L			07/15/24 22:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/15/24 22:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/15/24 22:53	1
Cyclohexane	ND		1.0	0.18	ug/L			07/15/24 22:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/15/24 22:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/15/24 22:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/15/24 22:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/15/24 22:53	1
Methyl acetate	ND		2.5	1.3	ug/L			07/15/24 22:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/15/24 22:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/15/24 22:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/15/24 22:53	1
Styrene	ND		1.0	0.73	ug/L			07/15/24 22:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/15/24 22:53	1
Toluene	ND		1.0	0.51	ug/L			07/15/24 22:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/15/24 22:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/15/24 22:53	1
Trichloroethene	0.68	J	1.0	0.46	ug/L			07/15/24 22:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/15/24 22:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/15/24 22:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/15/24 22:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		07/15/24 22:53	1
4-Bromofluorobenzene (Surr)	93		73 - 120		07/15/24 22:53	1
Dibromofluoromethane (Surr)	90		75 - 123		07/15/24 22:53	1
Toluene-d8 (Surr)	96		80 - 120		07/15/24 22:53	1

Eurofins Buffalo

Client Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Client Sample ID: MW-7R

Lab Sample ID: 480-221633-6

Date Collected: 07/11/24 09:55

Matrix: Water

Date Received: 07/13/24 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			07/16/24 17:06	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			07/16/24 17:06	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			07/16/24 17:06	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			07/16/24 17:06	10
1,1-Dichloroethane	ND		10	3.8	ug/L			07/16/24 17:06	10
1,1-Dichloroethene	ND		10	2.9	ug/L			07/16/24 17:06	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			07/16/24 17:06	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			07/16/24 17:06	10
1,2-Dibromoethane	ND		10	7.3	ug/L			07/16/24 17:06	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			07/16/24 17:06	10
1,2-Dichloroethane	ND		10	2.1	ug/L			07/16/24 17:06	10
1,2-Dichloropropane	ND		10	7.2	ug/L			07/16/24 17:06	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			07/16/24 17:06	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			07/16/24 17:06	10
2-Butanone (MEK)	ND		100	13	ug/L			07/16/24 17:06	10
2-Hexanone	ND		50	12	ug/L			07/16/24 17:06	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			07/16/24 17:06	10
Acetone	ND		100	30	ug/L			07/16/24 17:06	10
Benzene	ND		10	4.1	ug/L			07/16/24 17:06	10
Bromodichloromethane	ND		10	3.9	ug/L			07/16/24 17:06	10
Bromoform	ND		10	2.6	ug/L			07/16/24 17:06	10
Bromomethane	ND		10	6.9	ug/L			07/16/24 17:06	10
Carbon disulfide	ND		10	1.9	ug/L			07/16/24 17:06	10
Carbon tetrachloride	ND		10	2.7	ug/L			07/16/24 17:06	10
Chlorobenzene	ND		10	7.5	ug/L			07/16/24 17:06	10
Chloroethane	ND		10	3.2	ug/L			07/16/24 17:06	10
Chloroform	ND		10	3.4	ug/L			07/16/24 17:06	10
Chloromethane	ND		10	3.5	ug/L			07/16/24 17:06	10
cis-1,2-Dichloroethene	23		10	8.1	ug/L			07/16/24 17:06	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			07/16/24 17:06	10
Cyclohexane	ND		10	1.8	ug/L			07/16/24 17:06	10
Dibromochloromethane	ND		10	3.2	ug/L			07/16/24 17:06	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			07/16/24 17:06	10
Ethylbenzene	ND		10	7.4	ug/L			07/16/24 17:06	10
Isopropylbenzene	ND		10	7.9	ug/L			07/16/24 17:06	10
Methyl acetate	ND		25	13	ug/L			07/16/24 17:06	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			07/16/24 17:06	10
Methylcyclohexane	ND		10	1.6	ug/L			07/16/24 17:06	10
Methylene Chloride	ND		10	4.4	ug/L			07/16/24 17:06	10
Styrene	ND		10	7.3	ug/L			07/16/24 17:06	10
Tetrachloroethene	ND		10	3.6	ug/L			07/16/24 17:06	10
Toluene	ND		10	5.1	ug/L			07/16/24 17:06	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			07/16/24 17:06	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			07/16/24 17:06	10
Trichloroethene	660 F1		10	4.6	ug/L			07/16/24 17:06	10
Trichlorofluoromethane	ND		10	8.8	ug/L			07/16/24 17:06	10
Vinyl chloride	ND		10	9.0	ug/L			07/16/24 17:06	10
Xylenes, Total	ND		20	6.6	ug/L			07/16/24 17:06	10

Eurofins Buffalo

Client Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Client Sample ID: MW-7R

Date Collected: 07/11/24 09:55

Date Received: 07/13/24 10:00

Lab Sample ID: 480-221633-6

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		07/16/24 17:06	10
4-Bromofluorobenzene (Surr)	99		73 - 120		07/16/24 17:06	10
Dibromofluoromethane (Surr)	105		75 - 123		07/16/24 17:06	10
Toluene-d8 (Surr)	98		80 - 120		07/16/24 17:06	10

Client Sample ID: MW-15

Date Collected: 07/11/24 09:25

Date Received: 07/13/24 10:00

Lab Sample ID: 480-221633-7

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/16/24 17:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/16/24 17:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/16/24 17:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/16/24 17:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/16/24 17:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/16/24 17:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/16/24 17:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/16/24 17:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/16/24 17:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/16/24 17:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/16/24 17:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/16/24 17:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/16/24 17:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/16/24 17:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/16/24 17:28	1
2-Hexanone	ND		5.0	1.2	ug/L			07/16/24 17:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/16/24 17:28	1
Acetone	ND		10	3.0	ug/L			07/16/24 17:28	1
Benzene	ND		1.0	0.41	ug/L			07/16/24 17:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/16/24 17:28	1
Bromoform	ND		1.0	0.26	ug/L			07/16/24 17:28	1
Bromomethane	ND		1.0	0.69	ug/L			07/16/24 17:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/16/24 17:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/16/24 17:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/16/24 17:28	1
Chloroethane	ND		1.0	0.32	ug/L			07/16/24 17:28	1
Chloroform	ND		1.0	0.34	ug/L			07/16/24 17:28	1
Chloromethane	ND		1.0	0.35	ug/L			07/16/24 17:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/16/24 17:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/16/24 17:28	1
Cyclohexane	ND		1.0	0.18	ug/L			07/16/24 17:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/16/24 17:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/16/24 17:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/16/24 17:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/16/24 17:28	1
Methyl acetate	ND		2.5	1.3	ug/L			07/16/24 17:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/16/24 17:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/16/24 17:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/16/24 17:28	1

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Client Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Client Sample ID: MW-15

Lab Sample ID: 480-221633-7

Date Collected: 07/11/24 09:25

Matrix: Water

Date Received: 07/13/24 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			07/16/24 17:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/16/24 17:28	1
Toluene	ND		1.0	0.51	ug/L			07/16/24 17:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/16/24 17:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/16/24 17:28	1
Trichloroethene	ND		1.0	0.46	ug/L			07/16/24 17:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/16/24 17:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/16/24 17:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/16/24 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		07/16/24 17:28	1
4-Bromofluorobenzene (Surr)	100		73 - 120		07/16/24 17:28	1
Dibromofluoromethane (Surr)	105		75 - 123		07/16/24 17:28	1
Toluene-d8 (Surr)	99		80 - 120		07/16/24 17:28	1

Surrogate Summary

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-221633-1	MW-1	102	102	104	100
480-221633-2	MW-2	103	99	104	98
480-221633-3	MW-3	103	101	105	99
480-221633-4	MW-5	103	99	103	98
480-221633-5	MW-6	94	93	90	96
480-221633-6	MW-7R	103	99	105	98
480-221633-6 MS	MW-7R	102	102	104	100
480-221633-6 MSD	MW-7R	103	102	103	101
480-221633-7	MW-15	105	100	105	99
LCS 480-718416/6	Lab Control Sample	92	90	90	93
LCS 480-718589/6	Lab Control Sample	100	100	100	103
LCSD 480-718416/27	Lab Control Sample Dup	97	91	91	94
MB 480-718416/8	Method Blank	91	88	89	92
MB 480-718589/8	Method Blank	103	101	104	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-718416/8

Matrix: Water

Analysis Batch: 718416

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/15/24 15:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/15/24 15:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/15/24 15:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/15/24 15:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/15/24 15:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/15/24 15:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/15/24 15:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/15/24 15:44	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/15/24 15:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/15/24 15:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/15/24 15:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/15/24 15:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/15/24 15:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/15/24 15:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/15/24 15:44	1
2-Hexanone	ND		5.0	1.2	ug/L			07/15/24 15:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/15/24 15:44	1
Acetone	ND		10	3.0	ug/L			07/15/24 15:44	1
Benzene	ND		1.0	0.41	ug/L			07/15/24 15:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/15/24 15:44	1
Bromoform	ND		1.0	0.26	ug/L			07/15/24 15:44	1
Bromomethane	ND		1.0	0.69	ug/L			07/15/24 15:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/15/24 15:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/15/24 15:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/15/24 15:44	1
Chloroethane	ND		1.0	0.32	ug/L			07/15/24 15:44	1
Chloroform	ND		1.0	0.34	ug/L			07/15/24 15:44	1
Chloromethane	ND		1.0	0.35	ug/L			07/15/24 15:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/15/24 15:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/15/24 15:44	1
Cyclohexane	ND		1.0	0.18	ug/L			07/15/24 15:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/15/24 15:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/15/24 15:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/15/24 15:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/15/24 15:44	1
Methyl acetate	ND		2.5	1.3	ug/L			07/15/24 15:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/15/24 15:44	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/15/24 15:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/15/24 15:44	1
Styrene	ND		1.0	0.73	ug/L			07/15/24 15:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/15/24 15:44	1
Toluene	ND		1.0	0.51	ug/L			07/15/24 15:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/15/24 15:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/15/24 15:44	1
Trichloroethene	ND		1.0	0.46	ug/L			07/15/24 15:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/15/24 15:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/15/24 15:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/15/24 15:44	1

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QC Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-718416/8

Matrix: Water

Analysis Batch: 718416

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 120		07/15/24 15:44	1
4-Bromofluorobenzene (Surr)	88		73 - 120		07/15/24 15:44	1
Dibromofluoromethane (Surr)	89		75 - 123		07/15/24 15:44	1
Toluene-d8 (Surr)	92		80 - 120		07/15/24 15:44	1

Lab Sample ID: LCS 480-718416/6

Matrix: Water

Analysis Batch: 718416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	25.5		ug/L		102	73 - 126
1,1,1,2-Tetrachloroethane	25.0	23.9		ug/L		96	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.9		ug/L		96	61 - 148
1,1,2-Trichloroethane	25.0	24.0		ug/L		96	76 - 122
1,1-Dichloroethane	25.0	24.2		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	24.9		ug/L		100	66 - 127
1,2,4-Trichlorobenzene	25.0	22.9		ug/L		92	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	27.0		ug/L		108	56 - 134
1,2-Dibromoethane	25.0	24.2		ug/L		97	77 - 120
1,2-Dichlorobenzene	25.0	23.2		ug/L		93	80 - 124
1,2-Dichloroethane	25.0	23.0		ug/L		92	75 - 120
1,2-Dichloropropane	25.0	24.0		ug/L		96	76 - 120
1,3-Dichlorobenzene	25.0	23.1		ug/L		92	77 - 120
1,4-Dichlorobenzene	25.0	22.6		ug/L		90	80 - 120
2-Butanone (MEK)	125	124		ug/L		99	57 - 140
2-Hexanone	125	134		ug/L		107	65 - 127
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		101	71 - 125
Acetone	125	122		ug/L		98	56 - 142
Benzene	25.0	23.4		ug/L		94	71 - 124
Bromodichloromethane	25.0	24.3		ug/L		97	80 - 122
Bromoform	25.0	26.4		ug/L		106	61 - 132
Bromomethane	25.0	23.0		ug/L		92	55 - 144
Carbon disulfide	25.0	24.2		ug/L		97	59 - 134
Carbon tetrachloride	25.0	26.6		ug/L		106	72 - 134
Chlorobenzene	25.0	23.5		ug/L		94	80 - 120
Chloroethane	25.0	24.1		ug/L		96	69 - 136
Chloroform	25.0	22.2		ug/L		89	73 - 127
Chloromethane	25.0	24.7		ug/L		99	68 - 124
cis-1,2-Dichloroethene	25.0	23.7		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	24.7		ug/L		99	74 - 124
Cyclohexane	25.0	27.5		ug/L		110	59 - 135
Dibromochloromethane	25.0	25.0		ug/L		100	75 - 125
Dichlorodifluoromethane	25.0	25.6		ug/L		102	59 - 135
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123
Isopropylbenzene	25.0	24.3		ug/L		97	77 - 122
Methyl acetate	50.0	47.1		ug/L		94	74 - 133
Methyl tert-butyl ether	25.0	23.0		ug/L		92	77 - 120
Methylcyclohexane	25.0	26.0		ug/L		104	68 - 134

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QC Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-718416/6

Matrix: Water

Analysis Batch: 718416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	23.4		ug/L		93	75 - 124
Styrene	25.0	24.4		ug/L		98	80 - 120
Tetrachloroethene	25.0	24.0		ug/L		96	74 - 122
Toluene	25.0	23.7		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	24.0		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	25.7		ug/L		103	80 - 120
Trichloroethene	25.0	23.8		ug/L		95	74 - 123
Trichlorofluoromethane	25.0	24.8		ug/L		99	62 - 150
Vinyl chloride	25.0	25.8		ug/L		103	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		77 - 120
4-Bromofluorobenzene (Surr)	90		73 - 120
Dibromofluoromethane (Surr)	90		75 - 123
Toluene-d8 (Surr)	93		80 - 120

Lab Sample ID: LCSD 480-718416/27

Matrix: Water

Analysis Batch: 718416

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	25.4		ug/L		102	73 - 126	0	15
1,1,2,2-Tetrachloroethane	25.0	24.3		ug/L		97	76 - 120	2	15
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.7		ug/L		95	61 - 148	1	20
1,1,2-Trichloroethane	25.0	24.5		ug/L		98	76 - 122	2	15
1,1-Dichloroethane	25.0	25.3		ug/L		101	77 - 120	4	20
1,1-Dichloroethene	25.0	24.9		ug/L		99	66 - 127	0	16
1,2,4-Trichlorobenzene	25.0	22.8		ug/L		91	79 - 122	0	20
1,2-Dibromo-3-Chloropropane	25.0	26.2		ug/L		105	56 - 134	3	15
1,2-Dibromoethane	25.0	24.5		ug/L		98	77 - 120	1	15
1,2-Dichlorobenzene	25.0	23.1		ug/L		92	80 - 124	1	20
1,2-Dichloroethane	25.0	24.2		ug/L		97	75 - 120	5	20
1,2-Dichloropropane	25.0	24.7		ug/L		99	76 - 120	3	20
1,3-Dichlorobenzene	25.0	22.9		ug/L		92	77 - 120	1	20
1,4-Dichlorobenzene	25.0	22.5		ug/L		90	80 - 120	0	20
2-Butanone (MEK)	125	134		ug/L		107	57 - 140	8	20
2-Hexanone	125	136		ug/L		109	65 - 127	2	15
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	71 - 125	4	35
Acetone	125	131		ug/L		105	56 - 142	7	15
Benzene	25.0	23.9		ug/L		96	71 - 124	2	13
Bromodichloromethane	25.0	24.6		ug/L		99	80 - 122	1	15
Bromoform	25.0	24.6		ug/L		98	61 - 132	7	15
Bromomethane	25.0	23.0		ug/L		92	55 - 144	0	15
Carbon disulfide	25.0	23.9		ug/L		96	59 - 134	1	15
Carbon tetrachloride	25.0	25.5		ug/L		102	72 - 134	4	15
Chlorobenzene	25.0	23.6		ug/L		94	80 - 120	0	25
Chloroethane	25.0	25.0		ug/L		100	69 - 136	4	15
Chloroform	25.0	22.8		ug/L		91	73 - 127	3	20

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QC Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-718416/27

Matrix: Water

Analysis Batch: 718416

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane	25.0	25.5		ug/L		102	68 - 124	3	15
cis-1,2-Dichloroethene	25.0	24.3		ug/L		97	74 - 124	3	15
cis-1,3-Dichloropropene	25.0	24.1		ug/L		96	74 - 124	2	15
Cyclohexane	25.0	27.3		ug/L		109	59 - 135	1	20
Dibromochloromethane	25.0	24.5		ug/L		98	75 - 125	2	15
Dichlorodifluoromethane	25.0	25.5		ug/L		102	59 - 135	1	20
Ethylbenzene	25.0	24.4		ug/L		98	77 - 123	1	15
Isopropylbenzene	25.0	24.4		ug/L		98	77 - 122	0	20
Methyl acetate	50.0	51.2		ug/L		102	74 - 133	8	20
Methyl tert-butyl ether	25.0	23.6		ug/L		94	77 - 120	2	37
Methylcyclohexane	25.0	25.5		ug/L		102	68 - 134	2	20
Methylene Chloride	25.0	24.4		ug/L		98	75 - 124	4	15
Styrene	25.0	24.3		ug/L		97	80 - 120	0	20
Tetrachloroethene	25.0	23.6		ug/L		94	74 - 122	2	20
Toluene	25.0	23.3		ug/L		93	80 - 122	2	15
trans-1,2-Dichloroethene	25.0	24.3		ug/L		97	73 - 127	1	20
trans-1,3-Dichloropropene	25.0	25.0		ug/L		100	80 - 120	3	15
Trichloroethene	25.0	24.2		ug/L		97	74 - 123	2	16
Trichlorofluoromethane	25.0	25.1		ug/L		100	62 - 150	1	20
Vinyl chloride	25.0	26.8		ug/L		107	65 - 133	4	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		77 - 120
4-Bromofluorobenzene (Surr)	91		73 - 120
Dibromofluoromethane (Surr)	91		75 - 123
Toluene-d8 (Surr)	94		80 - 120

Lab Sample ID: MB 480-718589/8

Matrix: Water

Analysis Batch: 718589

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/16/24 15:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/16/24 15:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/16/24 15:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/16/24 15:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/16/24 15:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/16/24 15:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/16/24 15:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/16/24 15:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/16/24 15:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/16/24 15:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/16/24 15:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/16/24 15:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/16/24 15:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/16/24 15:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/16/24 15:16	1
2-Hexanone	ND		5.0	1.2	ug/L			07/16/24 15:16	1

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QC Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-718589/8

Matrix: Water

Analysis Batch: 718589

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/16/24 15:16	1
Acetone	ND		10	3.0	ug/L			07/16/24 15:16	1
Benzene	ND		1.0	0.41	ug/L			07/16/24 15:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/16/24 15:16	1
Bromoform	ND		1.0	0.26	ug/L			07/16/24 15:16	1
Bromomethane	ND		1.0	0.69	ug/L			07/16/24 15:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/16/24 15:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/16/24 15:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/16/24 15:16	1
Chloroethane	ND		1.0	0.32	ug/L			07/16/24 15:16	1
Chloroform	ND		1.0	0.34	ug/L			07/16/24 15:16	1
Chloromethane	ND		1.0	0.35	ug/L			07/16/24 15:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/16/24 15:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/16/24 15:16	1
Cyclohexane	ND		1.0	0.18	ug/L			07/16/24 15:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/16/24 15:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/16/24 15:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/16/24 15:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/16/24 15:16	1
Methyl acetate	ND		2.5	1.3	ug/L			07/16/24 15:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/16/24 15:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/16/24 15:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/16/24 15:16	1
Styrene	ND		1.0	0.73	ug/L			07/16/24 15:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/16/24 15:16	1
Toluene	ND		1.0	0.51	ug/L			07/16/24 15:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/16/24 15:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/16/24 15:16	1
Trichloroethene	ND		1.0	0.46	ug/L			07/16/24 15:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/16/24 15:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/16/24 15:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/16/24 15:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		07/16/24 15:16	1
4-Bromofluorobenzene (Surr)	101		73 - 120		07/16/24 15:16	1
Dibromofluoromethane (Surr)	104		75 - 123		07/16/24 15:16	1
Toluene-d8 (Surr)	99		80 - 120		07/16/24 15:16	1

Lab Sample ID: LCS 480-718589/6

Matrix: Water

Analysis Batch: 718589

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	26.7		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.5		ug/L		98	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.2		ug/L		109	61 - 148
1,1,2-Trichloroethane	25.0	25.0		ug/L		100	76 - 122

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QC Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-718589/6

Matrix: Water

Analysis Batch: 718589

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	25.0	25.1		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	25.9		ug/L		103	66 - 127
1,2,4-Trichlorobenzene	25.0	27.3		ug/L		109	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	27.1		ug/L		108	56 - 134
1,2-Dibromoethane	25.0	25.5		ug/L		102	77 - 120
1,2-Dichlorobenzene	25.0	25.0		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	24.5		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	25.3		ug/L		101	76 - 120
1,3-Dichlorobenzene	25.0	24.5		ug/L		98	77 - 120
1,4-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 120
2-Butanone (MEK)	125	128		ug/L		102	57 - 140
2-Hexanone	125	128		ug/L		102	65 - 127
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	71 - 125
Acetone	125	119		ug/L		95	56 - 142
Benzene	25.0	24.8		ug/L		99	71 - 124
Bromodichloromethane	25.0	26.1		ug/L		104	80 - 122
Bromoform	25.0	30.7		ug/L		123	61 - 132
Bromomethane	25.0	24.1		ug/L		96	55 - 144
Carbon disulfide	25.0	25.6		ug/L		102	59 - 134
Carbon tetrachloride	25.0	29.0		ug/L		116	72 - 134
Chlorobenzene	25.0	25.0		ug/L		100	80 - 120
Chloroethane	25.0	25.0		ug/L		100	69 - 136
Chloroform	25.0	23.7		ug/L		95	73 - 127
Chloromethane	25.0	24.5		ug/L		98	68 - 124
cis-1,2-Dichloroethene	25.0	24.9		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	26.0		ug/L		104	74 - 124
Cyclohexane	25.0	26.7		ug/L		107	59 - 135
Dibromochloromethane	25.0	28.6		ug/L		114	75 - 125
Dichlorodifluoromethane	25.0	27.1		ug/L		108	59 - 135
Ethylbenzene	25.0	25.6		ug/L		102	77 - 123
Isopropylbenzene	25.0	25.2		ug/L		101	77 - 122
Methyl acetate	50.0	50.0		ug/L		100	74 - 133
Methyl tert-butyl ether	25.0	24.5		ug/L		98	77 - 120
Methylcyclohexane	25.0	26.4		ug/L		106	68 - 134
Methylene Chloride	25.0	25.5		ug/L		102	75 - 124
Styrene	25.0	25.4		ug/L		102	80 - 120
Tetrachloroethene	25.0	26.2		ug/L		105	74 - 122
Toluene	25.0	24.7		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	25.3		ug/L		101	73 - 127
trans-1,3-Dichloropropene	25.0	26.7		ug/L		107	80 - 120
Trichloroethene	25.0	25.0		ug/L		100	74 - 123
Trichlorofluoromethane	25.0	27.4		ug/L		109	62 - 150
Vinyl chloride	25.0	26.0		ug/L		104	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Dibromofluoromethane (Surr)	100		75 - 123

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QC Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-718589/6

Matrix: Water

Analysis Batch: 718589

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: 480-221633-6 MS

Matrix: Water

Analysis Batch: 718589

Client Sample ID: MW-7R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits	
				Result	Qualifier					
1,1,1-Trichloroethane	ND		250	245		ug/L		98	73 - 126	
1,1,1,2-Tetrachloroethane	ND		250	232		ug/L		93	76 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250	252		ug/L		101	61 - 148	
1,1,2-Trichloroethane	ND		250	232		ug/L		93	76 - 122	
1,1-Dichloroethane	ND		250	241		ug/L		97	77 - 120	
1,1-Dichloroethene	ND		250	244		ug/L		98	66 - 127	
1,2,4-Trichlorobenzene	ND		250	260		ug/L		104	79 - 122	
1,2-Dibromo-3-Chloropropane	ND		250	245		ug/L		98	56 - 134	
1,2-Dibromoethane	ND		250	237		ug/L		95	77 - 120	
1,2-Dichlorobenzene	ND		250	233		ug/L		93	80 - 124	
1,2-Dichloroethane	ND		250	237		ug/L		95	75 - 120	
1,2-Dichloropropane	ND		250	237		ug/L		95	76 - 120	
1,3-Dichlorobenzene	ND		250	233		ug/L		93	77 - 120	
1,4-Dichlorobenzene	ND		250	222		ug/L		89	78 - 124	
2-Butanone (MEK)	ND		1250	1160		ug/L		93	57 - 140	
2-Hexanone	ND		1250	1160		ug/L		93	65 - 127	
4-Methyl-2-pentanone (MIBK)	ND		1250	1210		ug/L		97	71 - 125	
Acetone	ND		1250	1060		ug/L		85	56 - 142	
Benzene	ND		250	233		ug/L		93	71 - 124	
Bromodichloromethane	ND		250	242		ug/L		97	80 - 122	
Bromoform	ND		250	253		ug/L		101	61 - 132	
Bromomethane	ND		250	263		ug/L		105	55 - 144	
Carbon disulfide	ND		250	227		ug/L		91	59 - 134	
Carbon tetrachloride	ND		250	255		ug/L		102	72 - 134	
Chlorobenzene	ND		250	232		ug/L		93	80 - 120	
Chloroethane	ND		250	259		ug/L		103	69 - 136	
Chloroform	ND		250	229		ug/L		91	73 - 127	
Chloromethane	ND		250	232		ug/L		93	68 - 124	
cis-1,2-Dichloroethene	23		250	262		ug/L		96	74 - 124	
cis-1,3-Dichloropropene	ND		250	234		ug/L		93	74 - 124	
Cyclohexane	ND		250	244		ug/L		97	59 - 135	
Dibromochloromethane	ND		250	247		ug/L		99	75 - 125	
Dichlorodifluoromethane	ND		250	233		ug/L		93	59 - 135	
Ethylbenzene	ND		250	236		ug/L		94	77 - 123	
Isopropylbenzene	ND		250	233		ug/L		93	77 - 122	
Methyl acetate	ND		500	471		ug/L		94	74 - 133	
Methyl tert-butyl ether	ND		250	234		ug/L		94	77 - 120	
Methylcyclohexane	ND		250	236		ug/L		94	68 - 134	
Methylene Chloride	ND		250	247		ug/L		99	75 - 124	
Styrene	ND		250	238		ug/L		95	80 - 120	
Tetrachloroethene	ND		250	236		ug/L		95	74 - 122	

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QC Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-221633-6 MS

Matrix: Water

Analysis Batch: 718589

Client Sample ID: MW-7R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	ND		250	222		ug/L		89	80 - 122
trans-1,2-Dichloroethene	ND		250	240		ug/L		96	73 - 127
trans-1,3-Dichloropropene	ND		250	232		ug/L		93	80 - 120
Trichloroethene	660	F1	250	840	F1	ug/L		73	74 - 123
Trichlorofluoromethane	ND		250	255		ug/L		102	62 - 150
Vinyl chloride	ND		250	241		ug/L		96	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Dibromofluoromethane (Surr)	104		75 - 123
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: 480-221633-6 MSD

Matrix: Water

Analysis Batch: 718589

Client Sample ID: MW-7R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		250	238		ug/L		95	73 - 126	3	15
1,1,2,2-Tetrachloroethane	ND		250	231		ug/L		92	76 - 120	0	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250	245		ug/L		98	61 - 148	3	20
1,1,2-Trichloroethane	ND		250	232		ug/L		93	76 - 122	0	15
1,1-Dichloroethane	ND		250	230		ug/L		92	77 - 120	5	20
1,1-Dichloroethene	ND		250	232		ug/L		93	66 - 127	5	16
1,2,4-Trichlorobenzene	ND		250	254		ug/L		101	79 - 122	3	20
1,2-Dibromo-3-Chloropropane	ND		250	249		ug/L		99	56 - 134	2	15
1,2-Dibromoethane	ND		250	237		ug/L		95	77 - 120	0	15
1,2-Dichlorobenzene	ND		250	233		ug/L		93	80 - 124	0	20
1,2-Dichloroethane	ND		250	233		ug/L		93	75 - 120	1	20
1,2-Dichloropropane	ND		250	232		ug/L		93	76 - 120	2	20
1,3-Dichlorobenzene	ND		250	228		ug/L		91	77 - 120	2	20
1,4-Dichlorobenzene	ND		250	223		ug/L		89	78 - 124	1	20
2-Butanone (MEK)	ND		1250	1170		ug/L		94	57 - 140	1	20
2-Hexanone	ND		1250	1170		ug/L		93	65 - 127	1	15
4-Methyl-2-pentanone (MIBK)	ND		1250	1200		ug/L		96	71 - 125	1	35
Acetone	ND		1250	1110		ug/L		89	56 - 142	4	15
Benzene	ND		250	226		ug/L		90	71 - 124	3	13
Bromodichloromethane	ND		250	243		ug/L		97	80 - 122	0	15
Bromoform	ND		250	258		ug/L		103	61 - 132	2	15
Bromomethane	ND		250	231		ug/L		93	55 - 144	13	15
Carbon disulfide	ND		250	217		ug/L		87	59 - 134	4	15
Carbon tetrachloride	ND		250	247		ug/L		99	72 - 134	3	15
Chlorobenzene	ND		250	225		ug/L		90	80 - 120	3	25
Chloroethane	ND		250	240		ug/L		96	69 - 136	8	15
Chloroform	ND		250	222		ug/L		89	73 - 127	3	20
Chloromethane	ND		250	219		ug/L		88	68 - 124	6	15
cis-1,2-Dichloroethene	23		250	250		ug/L		91	74 - 124	5	15
cis-1,3-Dichloropropene	ND		250	229		ug/L		92	74 - 124	2	15

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QC Sample Results

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-221633-6 MSD

Matrix: Water

Analysis Batch: 718589

Client Sample ID: MW-7R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyclohexane	ND		250	234		ug/L		93	59 - 135	4	20
Dibromochloromethane	ND		250	249		ug/L		100	75 - 125	1	15
Dichlorodifluoromethane	ND		250	222		ug/L		89	59 - 135	5	20
Ethylbenzene	ND		250	225		ug/L		90	77 - 123	5	15
Isopropylbenzene	ND		250	224		ug/L		90	77 - 122	4	20
Methyl acetate	ND		500	470		ug/L		94	74 - 133	0	20
Methyl tert-butyl ether	ND		250	229		ug/L		92	77 - 120	2	37
Methylcyclohexane	ND		250	231		ug/L		93	68 - 134	2	20
Methylene Chloride	ND		250	237		ug/L		95	75 - 124	4	15
Styrene	ND		250	232		ug/L		93	80 - 120	3	20
Tetrachloroethene	ND		250	225		ug/L		90	74 - 122	5	20
Toluene	ND		250	213		ug/L		85	80 - 122	4	15
trans-1,2-Dichloroethene	ND		250	225		ug/L		90	73 - 127	6	20
trans-1,3-Dichloropropene	ND		250	230		ug/L		92	80 - 120	1	15
Trichloroethene	660	F1	250	816	F1	ug/L		63	74 - 123	3	16
Trichlorofluoromethane	ND		250	239		ug/L		96	62 - 150	6	20
Vinyl chloride	ND		250	230		ug/L		92	65 - 133	5	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Dibromofluoromethane (Surr)	103		75 - 123
Toluene-d8 (Surr)	101		80 - 120

QC Association Summary

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

GC/MS VOA

Analysis Batch: 718416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221633-5	MW-6	Total/NA	Water	8260C	
MB 480-718416/8	Method Blank	Total/NA	Water	8260C	
LCS 480-718416/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-718416/27	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 718589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221633-1	MW-1	Total/NA	Water	8260C	
480-221633-2	MW-2	Total/NA	Water	8260C	
480-221633-3	MW-3	Total/NA	Water	8260C	
480-221633-4	MW-5	Total/NA	Water	8260C	
480-221633-6	MW-7R	Total/NA	Water	8260C	
480-221633-7	MW-15	Total/NA	Water	8260C	
MB 480-718589/8	Method Blank	Total/NA	Water	8260C	
LCS 480-718589/6	Lab Control Sample	Total/NA	Water	8260C	
480-221633-6 MS	MW-7R	Total/NA	Water	8260C	
480-221633-6 MSD	MW-7R	Total/NA	Water	8260C	

Lab Chronicle

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Client Sample ID: MW-1

Date Collected: 07/11/24 11:45

Date Received: 07/13/24 10:00

Lab Sample ID: 480-221633-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	718589	AXK	EET BUF	07/16/24 15:38

Client Sample ID: MW-2

Date Collected: 07/11/24 12:28

Date Received: 07/13/24 10:00

Lab Sample ID: 480-221633-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	718589	AXK	EET BUF	07/16/24 16:00

Client Sample ID: MW-3

Date Collected: 07/11/24 11:15

Date Received: 07/13/24 10:00

Lab Sample ID: 480-221633-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	718589	AXK	EET BUF	07/16/24 16:22

Client Sample ID: MW-5

Date Collected: 07/11/24 10:15

Date Received: 07/13/24 10:00

Lab Sample ID: 480-221633-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	718589	AXK	EET BUF	07/16/24 16:44

Client Sample ID: MW-6

Date Collected: 07/11/24 13:40

Date Received: 07/13/24 10:00

Lab Sample ID: 480-221633-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	718416	ERS	EET BUF	07/15/24 22:53

Client Sample ID: MW-7R

Date Collected: 07/11/24 09:55

Date Received: 07/13/24 10:00

Lab Sample ID: 480-221633-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	718589	AXK	EET BUF	07/16/24 17:06

Client Sample ID: MW-15

Date Collected: 07/11/24 09:25

Date Received: 07/13/24 10:00

Lab Sample ID: 480-221633-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	718589	AXK	EET BUF	07/16/24 17:28

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Eurofins Buffalo

Accreditation/Certification Summary

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Method Summary

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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Sample Summary

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010 - Monitoring Wells

Job ID: 480-221633-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-221633-1	MW-1	Water	07/11/24 11:45	07/13/24 10:00
480-221633-2	MW-2	Water	07/11/24 12:28	07/13/24 10:00
480-221633-3	MW-3	Water	07/11/24 11:15	07/13/24 10:00
480-221633-4	MW-5	Water	07/11/24 10:15	07/13/24 10:00
480-221633-5	MW-6	Water	07/11/24 13:40	07/13/24 10:00
480-221633-6	MW-7R	Water	07/11/24 09:55	07/13/24 10:00
480-221633-7	MW-15	Water	07/11/24 09:25	07/13/24 10:00

Chain of Custody Record



Environment Testing

Syracuse

[illegible]

Login Sample Receipt Checklist

Client: Geologic NY Inc

Job Number: 480-221633-1

Login Number: 221633

List Number: 1

Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GNV
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

August 12, 2024

Geologic Project Managers
Geologic NY
37 Copeland Avenue, PO Box 350
Homer, NY 13077

Project Location: NY
Client Job Number:
Project Number: 218010
Laboratory Work Order Number: 24H0754

Enclosed are results of analyses for samples as received by the laboratory on August 7, 2024. 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. 413/525-2332

Geologic NY
37 Copeland Avenue, PO Box 350
Homer, NY 13077
ATTN: Geologic Project Managers

REPORT DATE: 8/12/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 218010

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24H0754

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

PROJECT LOCATION: NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
System Influent	24H0754-01	Water		SW-846 8260D	
System Middle	24H0754-02	Water		SW-846 8260D	
System Effluent	24H0754-03	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.

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:**Chloromethane**B382337-BS1, B382337-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**

24H0754-01[System Influent], 24H0754-02[System Middle], 24H0754-03[System Effluent], B382337-BLK1, B382337-BS1, B382337-BSD1, S108743-CCV1

Bromomethane

24H0754-01[System Influent], 24H0754-02[System Middle], 24H0754-03[System Effluent], B382337-BLK1, B382337-BS1, B382337-BSD1, S108743-CCV1

Dichlorodifluoromethane (Freon 12)

24H0754-01[System Influent], 24H0754-02[System Middle], 24H0754-03[System Effluent], B382337-BLK1, B382337-BS1, B382337-BSD1, S108743-CCV1

Naphthalene24H0754-01[System Influent], 24H0754-02[System Middle], 24H0754-03[System Effluent], B382337-BLK1, B382337-BS1, B382337-BSD1, S108743-CCV1

V-20

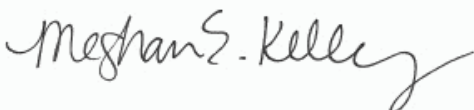
Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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

B382337-BS1, B382337-BSD1, S108743-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: NY

Sample Description:

Work Order: 24H0754

Date Received: 8/7/2024

Field Sample #: System Influent

Sampled: 8/6/2024 10:25

Sample ID: 24H0754-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Bromoform	ND	1.0	µg/L	1	V-05	SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	8/8/24	8/8/24 15:14	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	V-05	SW-846 8260D	8/8/24	8/8/24 15:14	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	8/8/24	8/8/24 15:14	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF

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Project Location: NY

Sample Description:

Work Order: 24H0754

Date Received: 8/7/2024

Field Sample #: System Influent

Sampled: 8/6/2024 10:25

Sample ID: 24H0754-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Trichloroethylene	58	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 15:14	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	105	70-130							
Toluene-d8	87.3	70-130							
4-Bromofluorobenzene	93.8	70-130							

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Project Location: NY

Sample Description:

Work Order: 24H0754

Date Received: 8/7/2024

Field Sample #: System Middle

Sampled: 8/6/2024 10:20

Sample ID: 24H0754-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Bromoform	ND	1.0	µg/L	1	V-05	SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	8/8/24	8/8/24 14:47	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	V-05	SW-846 8260D	8/8/24	8/8/24 14:47	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	8/8/24	8/8/24 14:47	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF

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

Project Location: NY

Sample Description:

Work Order: 24H0754

Date Received: 8/7/2024

Field Sample #: System Middle

Sampled: 8/6/2024 10:20

Sample ID: 24H0754-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:47	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	106	70-130							
Toluene-d8	89.4	70-130							
4-Bromofluorobenzene	92.4	70-130							

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

Project Location: NY

Sample Description:

Work Order: 24H0754

Date Received: 8/7/2024

Field Sample #: System Effluent

Sampled: 8/6/2024 10:15

Sample ID: 24H0754-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Bromoform	ND	1.0	µg/L	1	V-05	SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	8/8/24	8/8/24 14:20	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	V-05	SW-846 8260D	8/8/24	8/8/24 14:20	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	8/8/24	8/8/24 14:20	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF

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

Project Location: NY

Sample Description:

Work Order: 24H0754

Date Received: 8/7/2024

Field Sample #: System Effluent

Sampled: 8/6/2024 10:15

Sample ID: 24H0754-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	8/8/24	8/8/24 14:20	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	108	70-130							
Toluene-d8	87.7	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****Prep Method:SW-846 5030B Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24H0754-01 [System Influent]	B382337	5	5.00	08/08/24
24H0754-02 [System Middle]	B382337	5	5.00	08/08/24
24H0754-03 [System Effluent]	B382337	5	5.00	08/08/24

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 B382337 - SW-846 5030B										
Blank (B382337-BLK1)				Prepared & Analyzed: 08/08/24						
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							V-05
2-Butanone (MEK)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	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							V-05
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							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	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							
Naphthalene	ND	2.0	µg/L							V-05
n-Propylbenzene	ND	1.0	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							

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 B382337 - SW-846 5030B										
Blank (B382337-BLK1)										
Prepared & Analyzed: 08/08/24										
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	26.2		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	21.9		µg/L	25.0		87.6	70-130			
Surrogate: 4-Bromofluorobenzene	23.3		µg/L	25.0		93.2	70-130			
LCS (B382337-BS1)										
Prepared & Analyzed: 08/08/24										
Acetone	93.6	50	µg/L	100		93.6	70-160			†
Benzene	10.4	1.0	µg/L	10.0		104	70-130			
Bromochloromethane	11.3	1.0	µg/L	10.0		113	70-130			
Bromodichloromethane	8.83	0.50	µg/L	10.0		88.3	70-130			
Bromoform	7.69	1.0	µg/L	10.0		76.9	70-130		V-05	
Bromomethane	6.23	2.0	µg/L	10.0		62.3	40-160		V-05	†
2-Butanone (MEK)	104	20	µg/L	100		104	40-160			†
n-Butylbenzene	9.44	1.0	µg/L	10.0		94.4	70-130			
sec-Butylbenzene	8.13	1.0	µg/L	10.0		81.3	70-130			
tert-Butylbenzene	8.01	1.0	µg/L	10.0		80.1	70-130			
Carbon Disulfide	100	5.0	µg/L	100		100	70-130			
Carbon Tetrachloride	9.14	5.0	µg/L	10.0		91.4	70-130			
Chlorobenzene	9.91	1.0	µg/L	10.0		99.1	70-130			
Chlorodibromomethane	8.51	0.50	µg/L	10.0		85.1	70-130			
Chloroethane	8.98	2.0	µg/L	10.0		89.8	70-130			
Chloroform	10.0	2.0	µg/L	10.0		100	70-130			
Chloromethane	17.1	2.0	µg/L	10.0		171	* 40-160		L-02, V-20	†
Cyclohexane	9.58	5.0	µg/L	10.0		95.8	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.15	5.0	µg/L	10.0		81.5	70-130			
1,2-Dibromoethane (EDB)	9.00	0.50	µg/L	10.0		90.0	70-130			
1,2-Dichlorobenzene	9.18	1.0	µg/L	10.0		91.8	70-130			
1,3-Dichlorobenzene	9.36	1.0	µg/L	10.0		93.6	70-130			
1,4-Dichlorobenzene	9.00	1.0	µg/L	10.0		90.0	70-130			
Dichlorodifluoromethane (Freon 12)	7.09	2.0	µg/L	10.0		70.9	40-160		V-05	†
1,1-Dichloroethane	9.90	1.0	µg/L	10.0		99.0	70-130			
1,2-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130			
1,1-Dichloroethylene	9.15	1.0	µg/L	10.0		91.5	70-130			
cis-1,2-Dichloroethylene	9.75	1.0	µg/L	10.0		97.5	70-130			
trans-1,2-Dichloroethylene	9.22	1.0	µg/L	10.0		92.2	70-130			
1,2-Dichloropropane	9.27	1.0	µg/L	10.0		92.7	70-130			
cis-1,3-Dichloropropene	8.82	0.50	µg/L	10.0		88.2	70-130			
trans-1,3-Dichloropropene	8.63	0.50	µg/L	10.0		86.3	70-130			
Ethylbenzene	9.43	1.0	µg/L	10.0		94.3	70-130			
2-Hexanone (MBK)	86.4	10	µg/L	100		86.4	70-160			†
Isopropylbenzene (Cumene)	8.69	1.0	µg/L	10.0		86.9	70-130			
p-Isopropyltoluene (p-Cymene)	8.54	1.0	µg/L	10.0		85.4	70-130			
Methyl Acetate	9.94	1.0	µg/L	10.0		99.4	70-130			
Methyl tert-Butyl Ether (MTBE)	9.39	1.0	µg/L	10.0		93.9	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 B382337 - SW-846 5030B										
LCS (B382337-BS1)										
Prepared & Analyzed: 08/08/24										
Methyl Cyclohexane	9.14	1.0	µg/L	10.0		91.4	70-130			
Methylene Chloride	9.76	5.0	µg/L	10.0		97.6	70-130			
4-Methyl-2-pentanone (MIBK)	86.0	10	µg/L	100		86.0	70-160			†
Naphthalene	7.39	2.0	µg/L	10.0		73.9	40-130			V-05 †
n-Propylbenzene	9.01	1.0	µg/L	10.0		90.1	70-130			
Styrene	8.60	1.0	µg/L	10.0		86.0	70-130			
1,1,2,2-Tetrachloroethane	9.12	0.50	µg/L	10.0		91.2	70-130			
Tetrachloroethylene	8.97	1.0	µg/L	10.0		89.7	70-130			
Toluene	9.18	1.0	µg/L	10.0		91.8	70-130			
1,2,3-Trichlorobenzene	9.27	5.0	µg/L	10.0		92.7	70-130			
1,2,4-Trichlorobenzene	8.88	1.0	µg/L	10.0		88.8	70-130			
1,1,1-Trichloroethane	9.82	1.0	µg/L	10.0		98.2	70-130			
1,1,2-Trichloroethane	9.39	1.0	µg/L	10.0		93.9	70-130			
Trichloroethylene	9.53	1.0	µg/L	10.0		95.3	70-130			
Trichlorofluoromethane (Freon 11)	9.48	2.0	µg/L	10.0		94.8	70-130			
1,2,3-Trichloropropane	11.1	2.0	µg/L	10.0		111	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.89	1.0	µg/L	10.0		88.9	70-130			
1,2,4-Trimethylbenzene	8.84	1.0	µg/L	10.0		88.4	70-130			
1,3,5-Trimethylbenzene	9.25	1.0	µg/L	10.0		92.5	70-130			
Vinyl Chloride	8.17	2.0	µg/L	10.0		81.7	40-160			†
m+p Xylene	18.3	2.0	µg/L	20.0		91.5	70-130			
o-Xylene	8.77	1.0	µg/L	10.0		87.7	70-130			
Xylenes (total)	27.1	1.0	µg/L	30.0		90.2	0-200			
Surrogate: 1,2-Dichloroethane-d4	25.9		µg/L	25.0		104	70-130			
Surrogate: Toluene-d8	22.9		µg/L	25.0		91.6	70-130			
Surrogate: 4-Bromofluorobenzene	24.6		µg/L	25.0		98.5	70-130			
LCS Dup (B382337-BSD1)										
Prepared & Analyzed: 08/08/24										
Acetone	92.8	50	µg/L	100		92.8	70-160	0.858	25	†
Benzene	10.0	1.0	µg/L	10.0		100	70-130	3.34	25	
Bromochloromethane	10.5	1.0	µg/L	10.0		105	70-130	7.08	25	
Bromodichloromethane	8.62	0.50	µg/L	10.0		86.2	70-130	2.41	25	
Bromoform	7.61	1.0	µg/L	10.0		76.1	70-130	1.05	25	V-05
Bromomethane	6.14	2.0	µg/L	10.0		61.4	40-160	1.46	25	V-05 †
2-Butanone (MEK)	99.3	20	µg/L	100		99.3	40-160	4.22	25	†
n-Butylbenzene	9.70	1.0	µg/L	10.0		97.0	70-130	2.72	25	
sec-Butylbenzene	8.09	1.0	µg/L	10.0		80.9	70-130	0.493	25	
tert-Butylbenzene	8.44	1.0	µg/L	10.0		84.4	70-130	5.23	25	
Carbon Disulfide	98.5	5.0	µg/L	100		98.5	70-130	1.75	25	
Carbon Tetrachloride	8.77	5.0	µg/L	10.0		87.7	70-130	4.13	25	
Chlorobenzene	9.77	1.0	µg/L	10.0		97.7	70-130	1.42	25	
Chlorodibromomethane	8.03	0.50	µg/L	10.0		80.3	70-130	5.80	25	
Chloroethane	8.63	2.0	µg/L	10.0		86.3	70-130	3.98	25	
Chloroform	9.54	2.0	µg/L	10.0		95.4	70-130	4.81	25	
Chloromethane	16.2	2.0	µg/L	10.0		162	* 40-160	5.22	25	L-02, V-20 †
Cyclohexane	9.77	5.0	µg/L	10.0		97.7	70-130	1.96	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.47	5.0	µg/L	10.0		84.7	70-130	3.85	25	
1,2-Dibromoethane (EDB)	8.75	0.50	µg/L	10.0		87.5	70-130	2.82	25	
1,2-Dichlorobenzene	9.18	1.0	µg/L	10.0		91.8	70-130	0.00	25	
1,3-Dichlorobenzene	9.07	1.0	µg/L	10.0		90.7	70-130	3.15	25	
1,4-Dichlorobenzene	9.13	1.0	µg/L	10.0		91.3	70-130	1.43	25	
Dichlorodifluoromethane (Freon 12)	7.31	2.0	µg/L	10.0		73.1	40-160	3.06	25	V-05 †

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 B382337 - SW-846 5030B										
LCS Dup (B382337-BSD1)				Prepared & Analyzed: 08/08/24						
1,1-Dichloroethane	9.31	1.0	µg/L	10.0		93.1	70-130	6.14	25	
1,2-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130	0.300	25	
1,1-Dichloroethylene	8.84	1.0	µg/L	10.0		88.4	70-130	3.45	25	
cis-1,2-Dichloroethylene	9.82	1.0	µg/L	10.0		98.2	70-130	0.715	25	
trans-1,2-Dichloroethylene	8.98	1.0	µg/L	10.0		89.8	70-130	2.64	25	
1,2-Dichloropropane	10.2	1.0	µg/L	10.0		102	70-130	9.75	25	
cis-1,3-Dichloropropene	8.71	0.50	µg/L	10.0		87.1	70-130	1.25	25	
trans-1,3-Dichloropropene	8.33	0.50	µg/L	10.0		83.3	70-130	3.54	25	
Ethylbenzene	9.48	1.0	µg/L	10.0		94.8	70-130	0.529	25	
2-Hexanone (MBK)	83.8	10	µg/L	100		83.8	70-160	3.13	25	†
Isopropylbenzene (Cumene)	8.68	1.0	µg/L	10.0		86.8	70-130	0.115	25	
p-Isopropyltoluene (p-Cymene)	8.67	1.0	µg/L	10.0		86.7	70-130	1.51	25	
Methyl Acetate	9.44	1.0	µg/L	10.0		94.4	70-130	5.16	25	
Methyl tert-Butyl Ether (MTBE)	8.82	1.0	µg/L	10.0		88.2	70-130	6.26	25	
Methyl Cyclohexane	10.3	1.0	µg/L	10.0		103	70-130	11.5	25	
Methylene Chloride	9.20	5.0	µg/L	10.0		92.0	70-130	5.91	25	
4-Methyl-2-pentanone (MIBK)	84.2	10	µg/L	100		84.2	70-160	2.15	25	†
Naphthalene	7.34	2.0	µg/L	10.0		73.4	40-130	0.679	25	V-05 †
n-Propylbenzene	9.13	1.0	µg/L	10.0		91.3	70-130	1.32	25	
Styrene	8.51	1.0	µg/L	10.0		85.1	70-130	1.05	25	
1,1,2,2-Tetrachloroethane	9.21	0.50	µg/L	10.0		92.1	70-130	0.982	25	
Tetrachloroethylene	8.84	1.0	µg/L	10.0		88.4	70-130	1.46	25	
Toluene	8.82	1.0	µg/L	10.0		88.2	70-130	4.00	25	
1,2,3-Trichlorobenzene	9.13	5.0	µg/L	10.0		91.3	70-130	1.52	25	
1,2,4-Trichlorobenzene	9.15	1.0	µg/L	10.0		91.5	70-130	3.00	25	
1,1,1-Trichloroethane	9.63	1.0	µg/L	10.0		96.3	70-130	1.95	25	
1,1,2-Trichloroethane	9.18	1.0	µg/L	10.0		91.8	70-130	2.26	25	
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	6.50	25	
Trichlorofluoromethane (Freon 11)	9.31	2.0	µg/L	10.0		93.1	70-130	1.81	25	
1,2,3-Trichloropropane	10.3	2.0	µg/L	10.0		103	70-130	6.73	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.30	1.0	µg/L	10.0		93.0	70-130	4.51	25	
1,2,4-Trimethylbenzene	8.97	1.0	µg/L	10.0		89.7	70-130	1.46	25	
1,3,5-Trimethylbenzene	9.22	1.0	µg/L	10.0		92.2	70-130	0.325	25	
Vinyl Chloride	8.39	2.0	µg/L	10.0		83.9	40-160	2.66	25	†
m+p Xylene	18.6	2.0	µg/L	20.0		93.0	70-130	1.63	25	
o-Xylene	8.84	1.0	µg/L	10.0		88.4	70-130	0.795	25	
Xylenes (total)	27.4	1.0	µg/L	30.0		91.5	0-200	1.36		
Surrogate: 1,2-Dichloroethane-d4	25.3		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	22.6		µg/L	25.0		90.5	70-130			
Surrogate: 4-Bromofluorobenzene	24.8		µg/L	25.0		99.3	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.
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-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
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,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
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,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
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	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
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
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	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	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GeoLogic NY, P.C.	Report To:	Same	Attention:	
Address:	PO Box 350	Copy To:		Company Name:	GeoLogic
	Homer, NY 13077			Address:	
Email To:	geologicny@geologic.net	Purchase Order No.:		Pace Quote Reference:	
Phone:	607-749-5000	Project Name:	Winatic	Pace Project Manager:	
	Fax: 607-749-5063	Project Number:	218010	Pace Profile #:	
Requested Due Date/TAT:		Standard			

Page: 1 of 1

24H0154

REGULATORY AGENCY			
☐ NPDES	☐ GROUND WATER	☐ DRINKING WATER	
☐ UST	☐ RCRA	☒ OTHER	

Site Location	NY
STATE:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DW WT WW P SL OL WP AR OT TS SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	RELINQUISHED BY / AFFILIATION		ADDITIONAL COMMENTS		SAMPLE CONDITIONS		Pace Project No./ Lab I.D.
			DATE	TIME			DATE	TIME	DATE	TIME	Ice (Y/N)	Custody Sealed Cooler (Y/N)	
1		System Influent			G	WT	08/06/24	10:25					
2		System Middle			G	WT	08/06/24	10:20					
3		System Effluent			G	WT	08/06/24	10:15					
4													
5													
6													
7													
8													
9													
10													
11													
12													

Trip Blank for lab use : No Charge

8/6/24

Page 19 of 21

8/6/24



DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist

Effective Date: 06/11/2024

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 Geologic
Project Winatic
MCP/RCP Required no
Deliverable Package Requirement no
Location NY
PWSID# (When Applicable) NA
Arrival Method:
Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐
Received By / Date / Time gn 8/7/24 740
Back-Sheet By / Date / Time gn 8/7/24 855
Temperature Method gun # 6
WV samples: Yes (see note*) / No follow normal procedure) NO
Temp < 6° C Actual Temperature 516
Rush Samples: Yes / No 8 Notify
Short Hold: Yes / No 8 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>	☐	☐

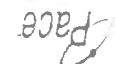
Additional Container Notes

*Note: West Virginia requires all samples to have their
temperature taken. Note any outliers.

Qualtrax ID: 120836

Page 2 of 2

Sample	Soils Jars (Circle Amb/Clear)				Ambers				Plastics							VOA Vials					Other / Fill in				
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	1 Liter		250ml		100ml	1 Liter			500ml	250ml				Unpreserved	HCl	MeOH	D.I. Water	BiSulfate	Col/Bact		
					Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH							Ammonium Acetate	NaOH/Zinc
1																									
2																									
3																									
4																									
5																									
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DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist

Effective Date: 06/11/2024

September 9, 2024

Geologic Project Managers
Geologic NY
37 Copeland Avenue, PO Box 350
Homer, NY 13077

Project Location: NY
Client Job Number:
Project Number: 218010
Laboratory Work Order Number: 24I0412

Enclosed are results of analyses for samples as received by the laboratory on September 5, 2024. 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. 413/525-2332

Geologic NY
37 Copeland Avenue, PO Box 350
Homer, NY 13077
ATTN: Geologic Project Managers

REPORT DATE: 9/9/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 218010

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24I0412

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

PROJECT LOCATION: NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
System Influent	24I0412-01	Water		SW-846 8260D	
System Middle	24I0412-02	Water		SW-846 8260D	
System Effluent	24I0412-03	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.

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:**Bromoform**B385074-BSD1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:24I0412-01[System Influent]

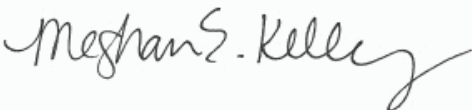
V-20

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:**Bromoform**B385074-BS1, B385074-BSD1, S110111-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: NY

Sample Description:

Work Order: 24I0412

Date Received: 9/5/2024

Field Sample #: System Influent

Sampled: 9/3/2024 13:15

Sample ID: 24I0412-01

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Benzene	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Bromochloromethane	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Bromodichloromethane	ND	1.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Bromoform	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Bromomethane	ND	4.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
2-Butanone (MEK)	ND	40	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
n-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
sec-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
tert-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Carbon Disulfide	ND	10	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Carbon Tetrachloride	ND	10	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Chlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Chlorodibromomethane	ND	1.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Chloroethane	ND	4.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Chloroform	ND	4.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Chloromethane	ND	4.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Cyclohexane	ND	10	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
1,2-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
1,3-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
1,4-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
1,1-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
1,2-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
1,1-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
cis-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
trans-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
1,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
cis-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
trans-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Ethylbenzene	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
2-Hexanone (MBK)	ND	20	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Isopropylbenzene (Cumene)	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
p-Isopropyltoluene (p-Cymene)	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Methyl Acetate	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Methyl Cyclohexane	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Methylene Chloride	ND	10	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Naphthalene	ND	4.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
n-Propylbenzene	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Styrene	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH

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

Project Location: NY

Sample Description:

Work Order: 24I0412

Date Received: 9/5/2024

Field Sample #: System Influent

Sampled: 9/3/2024 13:15

Sample ID: 24I0412-01

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Tetrachloroethylene	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Toluene	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
1,2,3-Trichlorobenzene	ND	10	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
1,1,1-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
1,1,2-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Trichloroethylene	180	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
1,2,3-Trichloropropane	ND	4.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
1,2,4-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
1,3,5-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Vinyl Chloride	ND	4.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
m+p Xylene	ND	4.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
o-Xylene	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Xylenes (total)	ND	2.0	µg/L	2		SW-846 8260D	9/6/24	9/7/24 1:53	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	92.7	70-130						9/7/24 1:53	
Toluene-d8	98.1	70-130						9/7/24 1:53	
4-Bromofluorobenzene	107	70-130						9/7/24 1:53	

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

Project Location: NY

Sample Description:

Work Order: 24I0412

Date Received: 9/5/2024

Field Sample #: System Middle

Sampled: 9/3/2024 13:10

Sample ID: 24I0412-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH

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

Project Location: NY

Sample Description:

Work Order: 24I0412

Date Received: 9/5/2024

Field Sample #: System Middle

Sampled: 9/3/2024 13:10

Sample ID: 24I0412-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:02	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	93.6	70-130						9/7/24 1:02	
Toluene-d8	97.6	70-130						9/7/24 1:02	
4-Bromofluorobenzene	110	70-130						9/7/24 1:02	

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

Project Location: NY

Sample Description:

Work Order: 24I0412

Date Received: 9/5/2024

Field Sample #: System Effluent

Sampled: 9/3/2024 13:05

Sample ID: 24I0412-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH

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Project Location: NY

Sample Description:

Work Order: 24I0412

Date Received: 9/5/2024

Field Sample #: System Effluent

Sampled: 9/3/2024 13:05

Sample ID: 24I0412-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	9/6/24	9/7/24 1:28	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	92.2	70-130						9/7/24 1:28	
Toluene-d8	98.5	70-130						9/7/24 1:28	
4-Bromofluorobenzene	107	70-130						9/7/24 1:28	

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
24I0412-01 [System Influent]	B385074	2.5	5.00	09/06/24
24I0412-02 [System Middle]	B385074	5	5.00	09/06/24
24I0412-03 [System Effluent]	B385074	5	5.00	09/06/24

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 B385074 - SW-846 5030B
Blank (B385074-BLK1)

Prepared: 09/05/24 Analyzed: 09/06/24

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							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	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							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	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							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	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							

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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 B385074 - SW-846 5030B
Blank (B385074-BLK1)

Prepared: 09/05/24 Analyzed: 09/06/24

Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							

Surrogate: 1,2-Dichloroethane-d4	22.1		µg/L	25.0		88.4	70-130			
Surrogate: Toluene-d8	24.2		µg/L	25.0		97.0	70-130			
Surrogate: 4-Bromofluorobenzene	27.3		µg/L	25.0		109	70-130			

LCS (B385074-BS1)

Prepared: 09/05/24 Analyzed: 09/06/24

Acetone	83.3	50	µg/L	100		83.3	70-160			†
Benzene	8.85	1.0	µg/L	10.0		88.5	70-130			
Bromochloromethane	10.6	1.0	µg/L	10.0		106	70-130			
Bromodichloromethane	10.9	0.50	µg/L	10.0		109	70-130			
Bromoform	12.9	1.0	µg/L	10.0		129	70-130		V-20	
Bromomethane	8.30	2.0	µg/L	10.0		83.0	40-160			†
2-Butanone (MEK)	92.7	20	µg/L	100		92.7	40-160			†
n-Butylbenzene	8.24	1.0	µg/L	10.0		82.4	70-130			
sec-Butylbenzene	8.67	1.0	µg/L	10.0		86.7	70-130			
tert-Butylbenzene	9.41	1.0	µg/L	10.0		94.1	70-130			
Carbon Disulfide	105	5.0	µg/L	100		105	70-130			
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106	70-130			
Chlorobenzene	11.0	1.0	µg/L	10.0		110	70-130			
Chlorodibromomethane	11.6	0.50	µg/L	10.0		116	70-130			
Chloroethane	8.64	2.0	µg/L	10.0		86.4	70-130			
Chloroform	9.88	2.0	µg/L	10.0		98.8	70-130			
Chloromethane	9.90	2.0	µg/L	10.0		99.0	40-160			†
Cyclohexane	9.31	5.0	µg/L	10.0		93.1	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.36	5.0	µg/L	10.0		83.6	70-130			
1,2-Dibromoethane (EDB)	11.1	0.50	µg/L	10.0		111	70-130			
1,2-Dichlorobenzene	9.63	1.0	µg/L	10.0		96.3	70-130			
1,3-Dichlorobenzene	9.52	1.0	µg/L	10.0		95.2	70-130			
1,4-Dichlorobenzene	9.46	1.0	µg/L	10.0		94.6	70-130			
Dichlorodifluoromethane (Freon 12)	8.79	2.0	µg/L	10.0		87.9	40-160			†
1,1-Dichloroethane	9.39	1.0	µg/L	10.0		93.9	70-130			
1,2-Dichloroethane	9.36	1.0	µg/L	10.0		93.6	70-130			
1,1-Dichloroethylene	9.40	1.0	µg/L	10.0		94.0	70-130			
cis-1,2-Dichloroethylene	9.12	1.0	µg/L	10.0		91.2	70-130			
trans-1,2-Dichloroethylene	8.79	1.0	µg/L	10.0		87.9	70-130			
1,2-Dichloropropane	10.1	1.0	µg/L	10.0		101	70-130			
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130			
trans-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130			
Ethylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
2-Hexanone (MBK)	104	10	µg/L	100		104	70-160			†
Isopropylbenzene (Cumene)	10.5	1.0	µg/L	10.0		105	70-130			
p-Isopropyltoluene (p-Cymene)	9.27	1.0	µg/L	10.0		92.7	70-130			
Methyl Acetate	11.9	1.0	µg/L	10.0		119	70-130			
Methyl tert-Butyl Ether (MTBE)	9.23	1.0	µg/L	10.0		92.3	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 B385074 - SW-846 5030B
LCS (B385074-BS1)

Prepared: 09/05/24 Analyzed: 09/06/24

Methyl Cyclohexane	9.11	1.0	µg/L	10.0		91.1	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			†
Naphthalene	8.58	2.0	µg/L	10.0		85.8	40-130			†
n-Propylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
Styrene	10.7	1.0	µg/L	10.0		107	70-130			
1,1,2,2-Tetrachloroethane	10.4	0.50	µg/L	10.0		104	70-130			
Tetrachloroethylene	11.2	1.0	µg/L	10.0		112	70-130			
Toluene	10.0	1.0	µg/L	10.0		100	70-130			
1,2,3-Trichlorobenzene	9.68	5.0	µg/L	10.0		96.8	70-130			
1,2,4-Trichlorobenzene	9.75	1.0	µg/L	10.0		97.5	70-130			
1,1,1-Trichloroethane	10.0	1.0	µg/L	10.0		100	70-130			
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
Trichlorofluoromethane (Freon 11)	10.1	2.0	µg/L	10.0		101	70-130			
1,2,3-Trichloropropane	10.3	2.0	µg/L	10.0		103	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.73	1.0	µg/L	10.0		97.3	70-130			
1,2,4-Trimethylbenzene	9.00	1.0	µg/L	10.0		90.0	70-130			
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
Vinyl Chloride	9.37	2.0	µg/L	10.0		93.7	40-160			†
m+p Xylene	21.1	2.0	µg/L	20.0		105	70-130			
o-Xylene	10.7	1.0	µg/L	10.0		107	70-130			
Xylenes (total)	31.8	1.0	µg/L	30.0		106	0-200			
Surrogate: 1,2-Dichloroethane-d4	22.3		µg/L	25.0		89.2	70-130			
Surrogate: Toluene-d8	24.6		µg/L	25.0		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	27.2		µg/L	25.0		109	70-130			

LCS Dup (B385074-BSD1)

Prepared: 09/05/24 Analyzed: 09/06/24

Acetone	85.0	50	µg/L	100		85.0	70-160	1.94	25	†
Benzene	8.80	1.0	µg/L	10.0		88.0	70-130	0.567	25	
Bromochloromethane	10.6	1.0	µg/L	10.0		106	70-130	0.188	25	
Bromodichloromethane	10.9	0.50	µg/L	10.0		109	70-130	0.184	25	
Bromoform	13.2	1.0	µg/L	10.0		132	* 70-130	2.68	25	L-07, V-20
Bromomethane	8.39	2.0	µg/L	10.0		83.9	40-160	1.08	25	†
2-Butanone (MEK)	93.7	20	µg/L	100		93.7	40-160	1.12	25	†
n-Butylbenzene	8.06	1.0	µg/L	10.0		80.6	70-130	2.21	25	
sec-Butylbenzene	8.39	1.0	µg/L	10.0		83.9	70-130	3.28	25	
tert-Butylbenzene	9.13	1.0	µg/L	10.0		91.3	70-130	3.02	25	
Carbon Disulfide	106	5.0	µg/L	100		106	70-130	0.818	25	
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106	70-130	0.566	25	
Chlorobenzene	11.0	1.0	µg/L	10.0		110	70-130	0.909	25	
Chlorodibromomethane	11.9	0.50	µg/L	10.0		119	70-130	2.46	25	
Chloroethane	9.45	2.0	µg/L	10.0		94.5	70-130	8.96	25	
Chloroform	9.90	2.0	µg/L	10.0		99.0	70-130	0.202	25	
Chloromethane	9.69	2.0	µg/L	10.0		96.9	40-160	2.14	25	†
Cyclohexane	9.18	5.0	µg/L	10.0		91.8	70-130	1.41	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.54	5.0	µg/L	10.0		85.4	70-130	2.13	25	
1,2-Dibromoethane (EDB)	11.2	0.50	µg/L	10.0		112	70-130	0.716	25	
1,2-Dichlorobenzene	9.53	1.0	µg/L	10.0		95.3	70-130	1.04	25	
1,3-Dichlorobenzene	9.25	1.0	µg/L	10.0		92.5	70-130	2.88	25	
1,4-Dichlorobenzene	9.66	1.0	µg/L	10.0		96.6	70-130	2.09	25	
Dichlorodifluoromethane (Freon 12)	8.90	2.0	µg/L	10.0		89.0	40-160	1.24	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 B385074 - SW-846 5030B										
LCS Dup (B385074-BSD1)					Prepared: 09/05/24 Analyzed: 09/06/24					
1,1-Dichloroethane	9.45	1.0	µg/L	10.0		94.5	70-130	0.637	25	
1,2-Dichloroethane	9.34	1.0	µg/L	10.0		93.4	70-130	0.214	25	
1,1-Dichloroethylene	9.34	1.0	µg/L	10.0		93.4	70-130	0.640	25	
cis-1,2-Dichloroethylene	9.05	1.0	µg/L	10.0		90.5	70-130	0.770	25	
trans-1,2-Dichloroethylene	8.84	1.0	µg/L	10.0		88.4	70-130	0.567	25	
1,2-Dichloropropane	10.1	1.0	µg/L	10.0		101	70-130	0.0990	25	
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	1.65	25	
trans-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130	0.00	25	
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130	1.05	25	
2-Hexanone (MBK)	108	10	µg/L	100		108	70-160	3.22	25	†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130	2.69	25	
p-Isopropyltoluene (p-Cymene)	9.03	1.0	µg/L	10.0		90.3	70-130	2.62	25	
Methyl Acetate	11.8	1.0	µg/L	10.0		118	70-130	0.762	25	
Methyl tert-Butyl Ether (MTBE)	9.41	1.0	µg/L	10.0		94.1	70-130	1.93	25	
Methyl Cyclohexane	9.03	1.0	µg/L	10.0		90.3	70-130	0.882	25	
Methylene Chloride	10.5	5.0	µg/L	10.0		105	70-130	0.671	25	
4-Methyl-2-pentanone (MIBK)	113	10	µg/L	100		113	70-160	2.35	25	†
Naphthalene	8.77	2.0	µg/L	10.0		87.7	40-130	2.19	25	†
n-Propylbenzene	10.1	1.0	µg/L	10.0		101	70-130	0.986	25	
Styrene	10.8	1.0	µg/L	10.0		108	70-130	0.839	25	
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108	70-130	3.30	25	
Tetrachloroethylene	11.2	1.0	µg/L	10.0		112	70-130	0.0893	25	
Toluene	9.85	1.0	µg/L	10.0		98.5	70-130	1.81	25	
1,2,3-Trichlorobenzene	9.55	5.0	µg/L	10.0		95.5	70-130	1.35	25	
1,2,4-Trichlorobenzene	9.57	1.0	µg/L	10.0		95.7	70-130	1.86	25	
1,1,1-Trichloroethane	10.0	1.0	µg/L	10.0		100	70-130	0.499	25	
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	0.00	25	
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	0.191	25	
Trichlorofluoromethane (Freon 11)	10.3	2.0	µg/L	10.0		103	70-130	1.77	25	
1,2,3-Trichloropropane	10.3	2.0	µg/L	10.0		103	70-130	0.291	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.87	1.0	µg/L	10.0		98.7	70-130	1.43	25	
1,2,4-Trimethylbenzene	8.78	1.0	µg/L	10.0		87.8	70-130	2.47	25	
1,3,5-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130	3.47	25	
Vinyl Chloride	9.42	2.0	µg/L	10.0		94.2	40-160	0.532	25	†
m+p Xylene	20.8	2.0	µg/L	20.0		104	70-130	1.34	25	
o-Xylene	10.7	1.0	µg/L	10.0		107	70-130	0.187	25	
Xylenes (total)	31.5	1.0	µg/L	30.0		105	0-200	0.948		
Surrogate: 1,2-Dichloroethane-d4	22.6		µg/L	25.0		90.3	70-130			
Surrogate: Toluene-d8	24.4		µg/L	25.0		97.4	70-130			
Surrogate: 4-Bromofluorobenzene	27.1		µg/L	25.0		108	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.
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-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
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,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
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,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
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	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
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	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	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

240612

Page: 1 of 1

Section A

Required Client Information:

Company: GeoLogic NY, P.C.

Address: PO Box 350

Homer, NY 13077

Email To: geologicny@geologic.net

Phone: 607-749-5000

Requested Due Date/TAT: Standard

Section B

Required Project Information:

Report To: Same

Copy To:

Purchase Order No.:

Project Name: Winatic

Project Number: 218010

Section C

Invoice Information:

Attention:

Company Name: Geologic

Address:

Pace Quote Reference:

Pace Project Manager:

Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☒ OTHER

Site Location

STATE: NY

ITEM #	Section D Required Client Information		Valid Matrix Codes		COLLECTED		SAMPLE TEMP AT COLLECTION		# OF CONTAINERS		Preservatives		Analysis Test ↑		Requested Analysis Filtered (Y/N)		Pace Project No./ Lab I.D.				
	MATRIX	CODE	DRINKING WATER	WASTE WATER	PRODUCT	COMPOSITE START	COMPOSITE END/GRAB	DATE	TIME	DATE	TIME	H ₂ SO ₄	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	Y/N	Target Compound List	Residual Chlorine (Y/N)
1	System Influent	WT	G	WT	G	09/03/24	13:15	09/03/24	13:15	3	Unpreserved										
2	System Middle	WT	G	WT	G	09/03/24	13:10	09/03/24	13:10	3											
3	System Effluent	WT	G	WT	G	09/03/24	13:05	09/03/24	13:05	3											
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
ADDITIONAL COMMENTS																					
Trip Black for lab use : No Charge																					
RELINQUISHED BY / AFFILIATION																					
DATE																					
TIME																					
ACCEPTED BY / AFFILIATION																					
DATE																					
TIME																					
SAMPLE CONDITIONS																					
Temp in °C																					
Received on																					
Custody																					
Sealed Cooler																					
Samples Intact (Y/N)																					

	DC#_ Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

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 Geologic
Project Winatic
MCP/RCP Required N/A
Deliverable Package Requirement N/A
Location N/A
PWSID# (When Applicable) N/A
Arrival Method:
Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐
Received By / Date / Time ER 8/5/24 30
Back-Sheet By / Date / Time LA 9/5/24 1431
Temperature Method gun # 6
WV samples: Yes (see note*) / ☒ No (follow normal procedure)
Temp U < 6° C Actual Temperature 30
Rush Samples: Yes / ☒ No Notify
Short Hold: Yes / ☒ No Notify

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
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

**Note: West Virginia requires all samples to have their
temperature taken. Note any outliers.*



DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist

Effective Date: 06/11/2024

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																													

October 14, 2024

Geologic Project Managers
Geologic NY
37 Copeland Avenue, PO Box 350
Homer, NY 13077

Project Location: Homer NY
Client Job Number:
Project Number: 218010
Laboratory Work Order Number: 24J1183

Enclosed are results of analyses for samples as received by the laboratory on October 9, 2024. 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. 413/525-2332

Geologic NY
37 Copeland Avenue, PO Box 350
Homer, NY 13077
ATTN: Geologic Project Managers

REPORT DATE: 10/14/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 218010

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24J1183

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

PROJECT LOCATION: Homer NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
System Influent	24J1183-01	Water		SW-846 8260D	
System Middle	24J1183-02	Water		SW-846 8260D	
System Effluent	24J1183-03	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:**

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

24J1183-01[System 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:**Naphthalene**

24J1183-01[System Influent], 24J1183-02[System Middle], 24J1183-03[System Effluent], B388936-BLK1, B388936-BS1, B388936-BSD1, S112052-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**

B388936-BS1, B388936-BSD1, S112052-CCV1

Chlorobenzene

B388936-BS1, B388936-BSD1, S112052-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: Homer NY

Sample Description:

Work Order: 24J1183

Date Received: 10/9/2024

Field Sample #: System Influent

Sampled: 10/8/2024 09:10

Sample ID: 24J1183-01

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	200	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Benzene	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Bromochloromethane	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Bromodichloromethane	ND	2.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Bromoform	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Bromomethane	ND	8.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
2-Butanone (MEK)	ND	80	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
n-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
sec-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
tert-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Carbon Disulfide	ND	20	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Carbon Tetrachloride	ND	20	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Chlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Chlorodibromomethane	ND	2.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Chloroethane	ND	8.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Chloroform	ND	8.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Chloromethane	ND	8.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Cyclohexane	ND	20	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
1,2-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
1,3-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
1,4-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Dichlorodifluoromethane (Freon 12)	ND	8.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
1,1-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
1,2-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
1,1-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
cis-1,2-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
trans-1,2-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
1,2-Dichloropropane	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
cis-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
trans-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Ethylbenzene	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
2-Hexanone (MBK)	ND	40	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Isopropylbenzene (Cumene)	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
p-Isopropyltoluene (p-Cymene)	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Methyl Acetate	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Methyl tert-Butyl Ether (MTBE)	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Methyl Cyclohexane	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Methylene Chloride	ND	20	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
4-Methyl-2-pentanone (MIBK)	ND	40	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Naphthalene	ND	8.0	µg/L	4	V-05	SW-846 8260D	10/10/24	10/12/24 0:46	MFF
n-Propylbenzene	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Styrene	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF

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

Project Location: Homer NY

Sample Description:

Work Order: 24J1183

Date Received: 10/9/2024

Field Sample #: System Influent

Sampled: 10/8/2024 09:10

Sample ID: 24J1183-01

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Tetrachloroethylene	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Toluene	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
1,2,3-Trichlorobenzene	ND	20	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
1,2,4-Trichlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
1,1,1-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
1,1,2-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Trichloroethylene	220	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Trichlorofluoromethane (Freon 11)	ND	8.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
1,2,3-Trichloropropane	ND	8.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
1,2,4-Trimethylbenzene	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
1,3,5-Trimethylbenzene	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Vinyl Chloride	ND	8.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
m+p Xylene	ND	8.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
o-Xylene	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Xylenes (total)	ND	4.0	µg/L	4		SW-846 8260D	10/10/24	10/12/24 0:46	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	102	70-130						10/12/24 0:46	
Toluene-d8	99.2	70-130						10/12/24 0:46	
4-Bromofluorobenzene	84.1	70-130						10/12/24 0:46	

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

Project Location: Homer NY

Sample Description:

Work Order: 24J1183

Date Received: 10/9/2024

Field Sample #: System Middle

Sampled: 10/8/2024 09:05

Sample ID: 24J1183-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	10/10/24	10/11/24 23:53	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF

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

Project Location: Homer NY

Sample Description:

Work Order: 24J1183

Date Received: 10/9/2024

Field Sample #: System Middle

Sampled: 10/8/2024 09:05

Sample ID: 24J1183-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/11/24 23:53	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	101	70-130							
Toluene-d8	96.5	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: Homer NY

Sample Description:

Work Order: 24J1183

Date Received: 10/9/2024

Field Sample #: System Effluent

Sampled: 10/8/2024 09:00

Sample ID: 24J1183-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	10/10/24	10/12/24 0:20	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF

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

Project Location: Homer NY

Sample Description:

Work Order: 24J1183

Date Received: 10/9/2024

Field Sample #: System Effluent

Sampled: 10/8/2024 09:00

Sample ID: 24J1183-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	10/10/24	10/12/24 0:20	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	102	70-130						10/12/24 0:20	
Toluene-d8	99.0	70-130						10/12/24 0:20	
4-Bromofluorobenzene	84.2	70-130						10/12/24 0:20	

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
24J1183-01 [System Influent]	B388936	1.25	5.00	10/10/24
24J1183-02 [System Middle]	B388936	5	5.00	10/10/24
24J1183-03 [System Effluent]	B388936	5	5.00	10/10/24

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 B388936 - SW-846 5030B
Blank (B388936-BLK1)

Prepared: 10/10/24 Analyzed: 10/11/24

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
n-Butylbenzene	ND	1.0	µg/L
sec-Butylbenzene	ND	1.0	µg/L
tert-Butylbenzene	ND	1.0	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
Ethylbenzene	ND	1.0	µg/L
2-Hexanone (MBK)	ND	10	µg/L
Isopropylbenzene (Cumene)	ND	1.0	µg/L
p-Isopropyltoluene (p-Cymene)	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
Naphthalene	ND	2.0	µg/L
n-Propylbenzene	ND	1.0	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

V-05

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 B388936 - SW-846 5030B
Blank (B388936-BLK1)

Prepared: 10/10/24 Analyzed: 10/11/24

Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							

Surrogate: 1,2-Dichloroethane-d4	25.8		µg/L	25.00		103	70-130			
Surrogate: Toluene-d8	23.9		µg/L	25.00		95.7	70-130			
Surrogate: 4-Bromofluorobenzene	21.6		µg/L	25.00		86.2	70-130			

LCS (B388936-BS1)

Prepared: 10/10/24 Analyzed: 10/11/24

Acetone	104	50	µg/L	100.0		104	70-160			†
Benzene	10.6	1.0	µg/L	10.00		106	70-130			
Bromochloromethane	10.7	1.0	µg/L	10.00		107	70-130			
Bromodichloromethane	10.1	0.50	µg/L	10.00		101	70-130			
Bromoform	8.46	1.0	µg/L	10.00		84.6	70-130			
Bromomethane	13.0	2.0	µg/L	10.00		130	40-160	V-20	†	
2-Butanone (MEK)	113	20	µg/L	100.0		113	40-160			†
n-Butylbenzene	8.28	1.0	µg/L	10.00		82.8	70-130			
sec-Butylbenzene	8.87	1.0	µg/L	10.00		88.7	70-130			
tert-Butylbenzene	8.81	1.0	µg/L	10.00		88.1	70-130			
Carbon Disulfide	80.1	5.0	µg/L	100.0		80.1	70-130			
Carbon Tetrachloride	8.97	5.0	µg/L	10.00		89.7	70-130			
Chlorobenzene	11.0	1.0	µg/L	10.00		110	70-130	V-20		
Chlorodibromomethane	9.60	0.50	µg/L	10.00		96.0	70-130			
Chloroethane	8.83	2.0	µg/L	10.00		88.3	70-130			
Chloroform	10.2	2.0	µg/L	10.00		102	70-130			
Chloromethane	7.50	2.0	µg/L	10.00		75.0	40-160			†
Cyclohexane	8.98	5.0	µg/L	10.00		89.8	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.70	5.0	µg/L	10.00		87.0	70-130			
1,2-Dibromoethane (EDB)	9.68	0.50	µg/L	10.00		96.8	70-130			
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.00		106	70-130			
1,3-Dichlorobenzene	10.3	1.0	µg/L	10.00		103	70-130			
1,4-Dichlorobenzene	9.88	1.0	µg/L	10.00		98.8	70-130			
Dichlorodifluoromethane (Freon 12)	7.04	2.0	µg/L	10.00		70.4	40-160			†
1,1-Dichloroethane	9.74	1.0	µg/L	10.00		97.4	70-130			
1,2-Dichloroethane	10.4	1.0	µg/L	10.00		104	70-130			
1,1-Dichloroethylene	8.52	1.0	µg/L	10.00		85.2	70-130			
cis-1,2-Dichloroethylene	10.1	1.0	µg/L	10.00		101	70-130			
trans-1,2-Dichloroethylene	8.83	1.0	µg/L	10.00		88.3	70-130			
1,2-Dichloropropane	10.1	1.0	µg/L	10.00		101	70-130			
cis-1,3-Dichloropropene	9.08	0.50	µg/L	10.00		90.8	70-130			
trans-1,3-Dichloropropene	8.49	0.50	µg/L	10.00		84.9	70-130			
Ethylbenzene	9.85	1.0	µg/L	10.00		98.5	70-130			
2-Hexanone (MBK)	99.3	10	µg/L	100.0		99.3	70-160			†
Isopropylbenzene (Cumene)	9.21	1.0	µg/L	10.00		92.1	70-130			
p-Isopropyltoluene (p-Cymene)	8.82	1.0	µg/L	10.00		88.2	70-130			
Methyl Acetate	11.9	1.0	µg/L	10.00		119	70-130			
Methyl tert-Butyl Ether (MTBE)	9.36	1.0	µg/L	10.00		93.6	70-130			

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

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

Batch B388936 - SW-846 5030B
LCS (B388936-BS1)

Prepared: 10/10/24 Analyzed: 10/11/24

Methyl Cyclohexane	8.68	1.0	µg/L	10.00		86.8	70-130			
Methylene Chloride	9.09	5.0	µg/L	10.00		90.9	70-130			
4-Methyl-2-pentanone (MIBK)	104	10	µg/L	100.0		104	70-160			†
Naphthalene	6.63	2.0	µg/L	10.00		66.3	40-130			V-05 †
n-Propylbenzene	9.26	1.0	µg/L	10.00		92.6	70-130			
Styrene	9.60	1.0	µg/L	10.00		96.0	70-130			
1,1,2,2-Tetrachloroethane	10.4	0.50	µg/L	10.00		104	70-130			
Tetrachloroethylene	10.1	1.0	µg/L	10.00		101	70-130			
Toluene	10.2	1.0	µg/L	10.00		102	70-130			
1,2,3-Trichlorobenzene	9.26	5.0	µg/L	10.00		92.6	70-130			
1,2,4-Trichlorobenzene	8.03	1.0	µg/L	10.00		80.3	70-130			
1,1,1-Trichloroethane	9.56	1.0	µg/L	10.00		95.6	70-130			
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.00		107	70-130			
Trichloroethylene	9.65	1.0	µg/L	10.00		96.5	70-130			
Trichlorofluoromethane (Freon 11)	9.21	2.0	µg/L	10.00		92.1	70-130			
1,2,3-Trichloropropane	9.43	2.0	µg/L	10.00		94.3	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.70	1.0	µg/L	10.00		87.0	70-130			
1,2,4-Trimethylbenzene	9.13	1.0	µg/L	10.00		91.3	70-130			
1,3,5-Trimethylbenzene	9.57	1.0	µg/L	10.00		95.7	70-130			
Vinyl Chloride	8.61	2.0	µg/L	10.00		86.1	40-160			†
m+p Xylene	19.8	2.0	µg/L	20.00		98.8	70-130			
o-Xylene	9.52	1.0	µg/L	10.00		95.2	70-130			
Xylenes (total)	29.3	1.0	µg/L	30.00		97.6	0-200			
Surrogate: 1,2-Dichloroethane-d4	24.0		µg/L	25.00		96.0	70-130			
Surrogate: Toluene-d8	25.8		µg/L	25.00		103	70-130			
Surrogate: 4-Bromofluorobenzene	24.2		µg/L	25.00		97.0	70-130			

LCS Dup (B388936-BSD1)

Prepared: 10/10/24 Analyzed: 10/11/24

Acetone	90.1	50	µg/L	100.0		90.1	70-160	13.8	25	†
Benzene	11.0	1.0	µg/L	10.00		110	70-130	3.25	25	
Bromochloromethane	10.5	1.0	µg/L	10.00		105	70-130	1.70	25	
Bromodichloromethane	10.1	0.50	µg/L	10.00		101	70-130	0.197	25	
Bromoform	8.33	1.0	µg/L	10.00		83.3	70-130	1.55	25	
Bromomethane	13.4	2.0	µg/L	10.00		134	40-160	3.03	25	V-20 †
2-Butanone (MEK)	101	20	µg/L	100.0		101	40-160	11.9	25	†
n-Butylbenzene	8.34	1.0	µg/L	10.00		83.4	70-130	0.722	25	
sec-Butylbenzene	9.07	1.0	µg/L	10.00		90.7	70-130	2.23	25	
tert-Butylbenzene	9.07	1.0	µg/L	10.00		90.7	70-130	2.91	25	
Carbon Disulfide	83.2	5.0	µg/L	100.0		83.2	70-130	3.77	25	
Carbon Tetrachloride	9.09	5.0	µg/L	10.00		90.9	70-130	1.33	25	
Chlorobenzene	11.2	1.0	µg/L	10.00		112	70-130	1.63	25	V-20
Chlorodibromomethane	9.46	0.50	µg/L	10.00		94.6	70-130	1.47	25	
Chloroethane	9.30	2.0	µg/L	10.00		93.0	70-130	5.18	25	
Chloroform	10.5	2.0	µg/L	10.00		105	70-130	3.29	25	
Chloromethane	8.10	2.0	µg/L	10.00		81.0	40-160	7.69	25	†
Cyclohexane	9.22	5.0	µg/L	10.00		92.2	70-130	2.64	25	
1,2-Dibromo-3-chloropropane (DBCP)	7.74	5.0	µg/L	10.00		77.4	70-130	11.7	25	
1,2-Dibromoethane (EDB)	9.51	0.50	µg/L	10.00		95.1	70-130	1.77	25	
1,2-Dichlorobenzene	10.7	1.0	µg/L	10.00		107	70-130	1.60	25	
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.00		105	70-130	1.73	25	
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.00		105	70-130	6.18	25	
Dichlorodifluoromethane (Freon 12)	7.59	2.0	µg/L	10.00		75.9	40-160	7.52	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 B388936 - SW-846 5030B										
LCS Dup (B388936-BS01)										
Prepared: 10/10/24 Analyzed: 10/11/24										
1,1-Dichloroethane	9.96	1.0	µg/L	10.00		99.6	70-130	2.23	25	
1,2-Dichloroethane	10.9	1.0	µg/L	10.00		109	70-130	4.69	25	
1,1-Dichloroethylene	9.15	1.0	µg/L	10.00		91.5	70-130	7.13	25	
cis-1,2-Dichloroethylene	10.1	1.0	µg/L	10.00		101	70-130	0.593	25	
trans-1,2-Dichloroethylene	8.93	1.0	µg/L	10.00		89.3	70-130	1.13	25	
1,2-Dichloropropane	10.5	1.0	µg/L	10.00		105	70-130	4.28	25	
cis-1,3-Dichloropropene	9.08	0.50	µg/L	10.00		90.8	70-130	0.00	25	
trans-1,3-Dichloropropene	8.41	0.50	µg/L	10.00		84.1	70-130	0.947	25	
Ethylbenzene	10.2	1.0	µg/L	10.00		102	70-130	3.78	25	
2-Hexanone (MBK)	88.6	10	µg/L	100.0		88.6	70-160	11.3	25	†
Isopropylbenzene (Cumene)	9.68	1.0	µg/L	10.00		96.8	70-130	4.98	25	
p-Isopropyltoluene (p-Cymene)	9.15	1.0	µg/L	10.00		91.5	70-130	3.67	25	
Methyl Acetate	11.4	1.0	µg/L	10.00		114	70-130	4.31	25	
Methyl tert-Butyl Ether (MTBE)	9.09	1.0	µg/L	10.00		90.9	70-130	2.93	25	
Methyl Cyclohexane	8.94	1.0	µg/L	10.00		89.4	70-130	2.95	25	
Methylene Chloride	9.37	5.0	µg/L	10.00		93.7	70-130	3.03	25	
4-Methyl-2-pentanone (MIBK)	94.1	10	µg/L	100.0		94.1	70-160	10.5	25	†
Naphthalene	5.39	2.0	µg/L	10.00		53.9	40-130	20.6	25	V-05 †
n-Propylbenzene	9.84	1.0	µg/L	10.00		98.4	70-130	6.07	25	
Styrene	9.77	1.0	µg/L	10.00		97.7	70-130	1.76	25	
1,1,2,2-Tetrachloroethane	9.93	0.50	µg/L	10.00		99.3	70-130	4.53	25	
Tetrachloroethylene	10.3	1.0	µg/L	10.00		103	70-130	2.75	25	
Toluene	10.7	1.0	µg/L	10.00		107	70-130	4.98	25	
1,2,3-Trichlorobenzene	8.59	5.0	µg/L	10.00		85.9	70-130	7.51	25	
1,2,4-Trichlorobenzene	7.38	1.0	µg/L	10.00		73.8	70-130	8.44	25	
1,1,1-Trichloroethane	9.74	1.0	µg/L	10.00		97.4	70-130	1.87	25	
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.00		107	70-130	0.373	25	
Trichloroethylene	10.3	1.0	µg/L	10.00		103	70-130	6.22	25	
Trichlorofluoromethane (Freon 11)	9.57	2.0	µg/L	10.00		95.7	70-130	3.83	25	
1,2,3-Trichloropropane	10.9	2.0	µg/L	10.00		109	70-130	14.8	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.79	1.0	µg/L	10.00		87.9	70-130	1.03	25	
1,2,4-Trimethylbenzene	9.32	1.0	µg/L	10.00		93.2	70-130	2.06	25	
1,3,5-Trimethylbenzene	10.1	1.0	µg/L	10.00		101	70-130	5.19	25	
Vinyl Chloride	8.72	2.0	µg/L	10.00		87.2	40-160	1.27	25	†
m+p Xylene	20.6	2.0	µg/L	20.00		103	70-130	3.97	25	
o-Xylene	9.70	1.0	µg/L	10.00		97.0	70-130	1.87	25	
Xylenes (total)	30.3	1.0	µg/L	30.00		101	0-200	3.29		
Surrogate: 1,2-Dichloroethane-d4	23.4		µg/L	25.00		93.5	70-130			
Surrogate: Toluene-d8	25.8		µg/L	25.00		103	70-130			
Surrogate: 4-Bromofluorobenzene	24.6		µg/L	25.00		98.5	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.
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>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
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,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
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,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
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	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
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
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	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	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

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 Geologic
 Project Winatic
 MCP/RCP Required na
 Deliverable Package Requirement na
 Location NY
 PWSID# (When Applicable) na
 Arrival Method:
 Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐
 Received By / Date / Time LA 10/1/24 730
 Back-Sheet By / Date / Time na 10/1/24 1112
 Temperature Method gun # 6
 WV samples: Yes (see note*) / No (follow normal procedure) No
 Temp < 6° C Actual Temperature 20
 Rush Samples: Yes / No / Notify No
 Short Hold: Yes / No / Notify No

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>	☐	☐

Additional Container Notes

**Note: West Virginia requires all samples to have their
temperature taken. Note any outliers.*

[illegible]