GeoLogic NY, PC
P. O. Box 350 • 37 Copeland Ave. • Homer, NY 13077 • 607-749-5000

December 5, 2023

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

Reference: 2023 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 (see correspondence dated April 18, 2023 in Appendix A). 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, 2022 to November 6, 2023.

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 (see correspondence dated May 9, 2023 in Appendix A).

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.

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 oversite 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:

- 2022 Monthly Sampling: Monthly sampling events were completed in November and December 2022.

- 2023 Monthly Sampling: A total of eight sampling events were completed in 2023 to date, January, February, March, April, July, August, September and November 2023. The air compressor failed and the system was down in May and June 2023 (no monthly samples collected). The air compressor was repaired and returned to service. The electric to the Site was off in October 2023 (no monthly sample collected). The account billing was corrected and electricity was restored. A sampling event is scheduled for December 2023.

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.

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 May 23, 2023.

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.

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 8.5 µg/L on January 12, 2023 to 886 µg/L on November 14, 2022. During the annual sampling event completed on May 23, 2023, the highest TCE concentration observed was 470 µg/L at MW-7R. The TCE concentration at all other monitoring wells was below the NYS Water Quality standard. Note: MW-6 was not sampled during the annual sampling event due to equipment on top of the well.

Analytical results from the groundwater remediation system samples are summarized on Table 3, Appendix B. Analytical results from the groundwater monitoring wells are summarized on Table 4, Appendix B.

Recommendations

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

If you have any questions, or additional information is required, please contact the undersigned.

Prepared by,

GeoLogic NY, P.C.

Christopher T. Gabriel
Project Manager

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 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\2023 PRR\2023 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 Details **Box 1**

Site No. V00138

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, 2022 to November 06, 2023

	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? **Site sold to 409 Commerce, LLC. in April 2023.**	X	☐
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? **Change of Use submitted to NYSDEC in October 2023. See attached correspondence.**	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

SITE NO. V00138 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
	409 Commerce, LLC	Ground Water Use Restriction Landuse Restriction O&M Plan

Deed Restiction 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.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
	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).

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
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 Earl, P.G. (print name) at Geologic NY, P.C. PO Box 350 Homer, NY 13077 (print business address),

am certifying as Designated Representative (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

12-5-23
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 Earl, P.G. (print name) at Geologic NY, P.C. PO Box 350 Homer, NY 13077 (print business address),

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)

12-5-23
Date

STATE OF NEW YORK
FORREST C EARL
100557
LICENSED PROFESSIONAL GEOLOGIST

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 7
1679 NYS Route 11, Kirkwood, NY 13795
P: (607) 775-2545 | F: (607) 775-2019
www.dec.ny.gov

SENT VIA ELECTRONIC MAIL ONLY

April 18, 2023

Beth Flynn
Winatic Corporation
5410 115th Avenue
Clearwater, FL 33760

Re: Change of Ownership Notification
409 Commerce Road, Site No.: V00138
Town of Vestal, Broome County

Dear Beth Flynn:

This letter acknowledges receipt of your February 7, 2023, 60-Day Advance Notification of Change of Use for the above referenced site, wherein the type of change was indicated as a proposed change in ownership. This acknowledgement is not intended to imply approval or concurrence with the proposed change of use.

Please ensure that you submit the post-transfer notices required by 6 NYCRR Part 375-1.11(d)(3)(ii) and 375-1.9(f)(1)(ii). These notifications must include the name of the new owner, new owner's contact information, contact representative, and contact information for such representative.

Failure to comply with the regulatory requirements of transfer notices may prevent successors and assigns from receiving any rights benefits, or protections as provided by statute or regulation.

If you have any questions or need additional information, you may contact me at 607-775-2545 ext. 116 or stephen.catalfamo@dec.ny.gov.

Sincerely,

Stephen E. Catalfamo, PG, CHMM
Project Manager

ec: David Harington, NYSDEC
Gary Priscott, NYSDEC
Jennifer Andaloro, Esq. NYSDEC
Margaret Sheen, Esq. NYSDEC
Stephanie Selmer, NYSDOH
Christina Pierce, LCP Group
Christopher Gabriel, GeoLogic NY, Inc.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 7
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P: (607) 775-2545 | F: (607) 775-2019
www.dec.ny.gov

SENT VIA ELECTRONIC MAIL ONLY

May 9, 2023

409 Commerce, LLC
Attn.: Lawrence Pierce and Christina Pierce
3421 Vestal Road
Vestal, NY 13840

Re: Revised Operation and Maintenance (O&M) Plan - Acceptance Letter
409 Commerce Road, Site No.: V00138
Town of Vestal, Broome County

Dear Lawrence Pierce and Christina Pierce:

The New York State Department of Environmental Conservation (Department) has reviewed the revised Operation and Maintenance (O&M) Plan for the 409 Commerce Road Site (Site No. V00138), dated May 2023, which was prepared by GeoLogic NY, PC (GeoLogic) on behalf of 409 Commerce, LLC. Based on our review of this document, the modifications requested in the January 20, 2023 letter from the Department have been adequately addressed. Therefore, the Department hereby accepts the revised O&M Plan.

Thank you for your cooperation in working with the Department in the remediation of the site. If you have any questions, please do not hesitate to contact me at 607-775-2545 ext. 116 or stephen.catalfamo@dec.ny.gov.

Sincerely,

Stephen E. Catalfamo, PG, CHMM
Project Manager

ec: Gary Priscott, NYSDEC
Scarlett McLaughlin, NYSDOH
Stephanie Selmer, NYSDOH
Forrest Earl, GeoLogic NY
Christopher Gabriel, GeoLogic NY

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 7
1679 NYS Route 11, Kirkwood, NY 13795
P: (607) 775-2545 | F: (607) 775-2019
www.dec.ny.gov

SENT VIA ELECTRONIC MAIL ONLY

October 24, 2023

Christina Pierce
409 Commerce, LLC
3421 Vestal Road
Vestal, NY 13850

Re: Change of Use Notification
409 Commerce Road, Site No.: V00138
Town of Vestal, Broome County

Dear Christina Pierce:

This correspondence acknowledges our receipt of your October 1, 2023 letter notifying the New York State Department of Environmental Conservation of a proposed change of use regarding the subject site in accordance with 6 NYCRR 375-1.11(d). This acknowledgment is not intended to imply approval or concurrence with the proposed change of use.

We appreciate your attention to this matter. If you have any questions or need additional information, you may contact me at 607-775-2545 ext. 116 or stephen.catalfamo@dec.ny.gov.

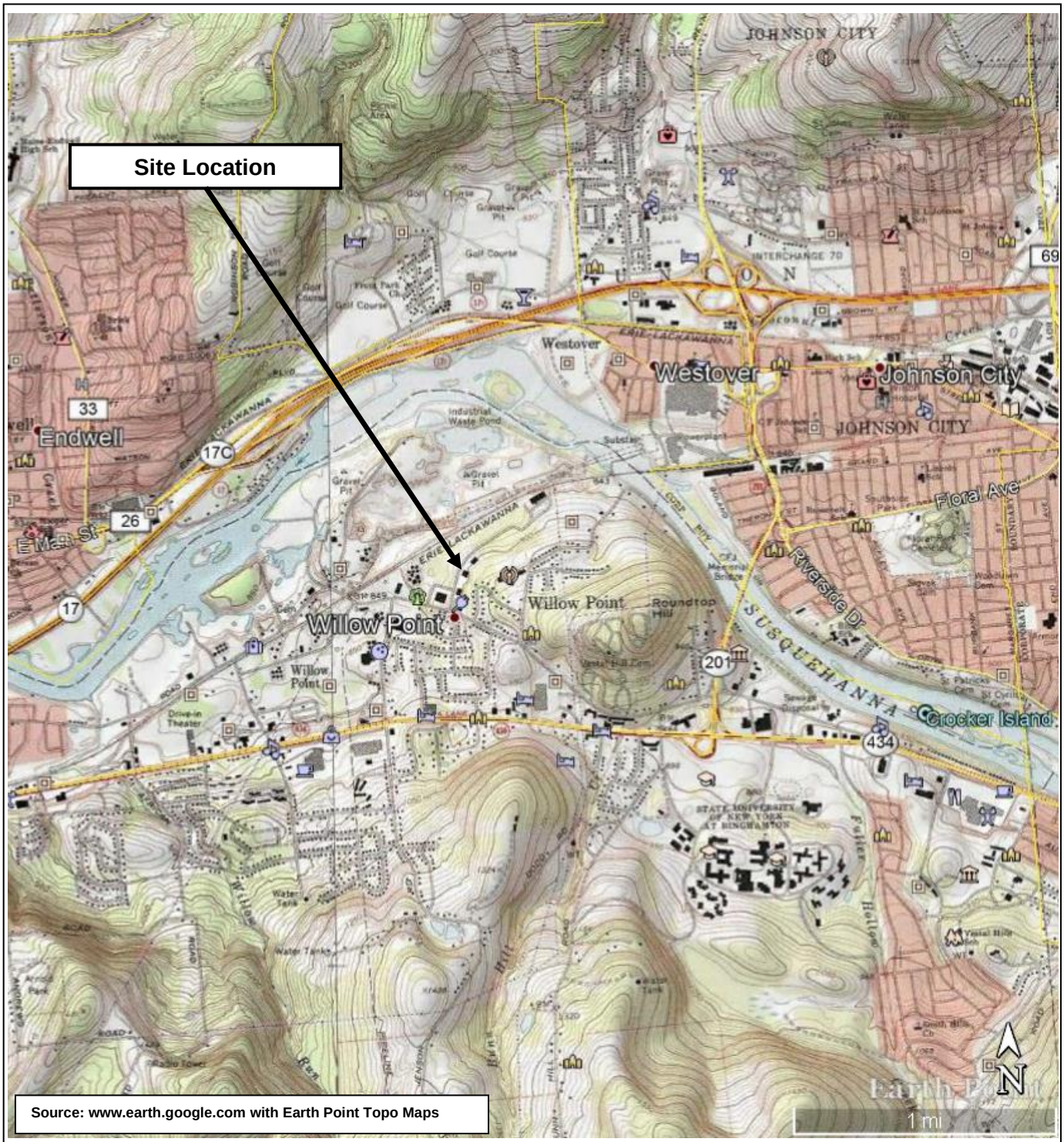
Sincerely,

Stephen E. Catalfamo, PG, CHMM
Project Manager

ec: David Harington, NYSDEC
Gary Priscott, NYSDEC
Jennifer Andaloro, Esq. NYSDEC
Margaret Sheen, Esq. NYSDEC
Stephanie Selmer, NYSDOH
Christopher Gabriel, GeoLogic NY, Inc.

APPENDIX B

DRAWINGS



N
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S
Project North

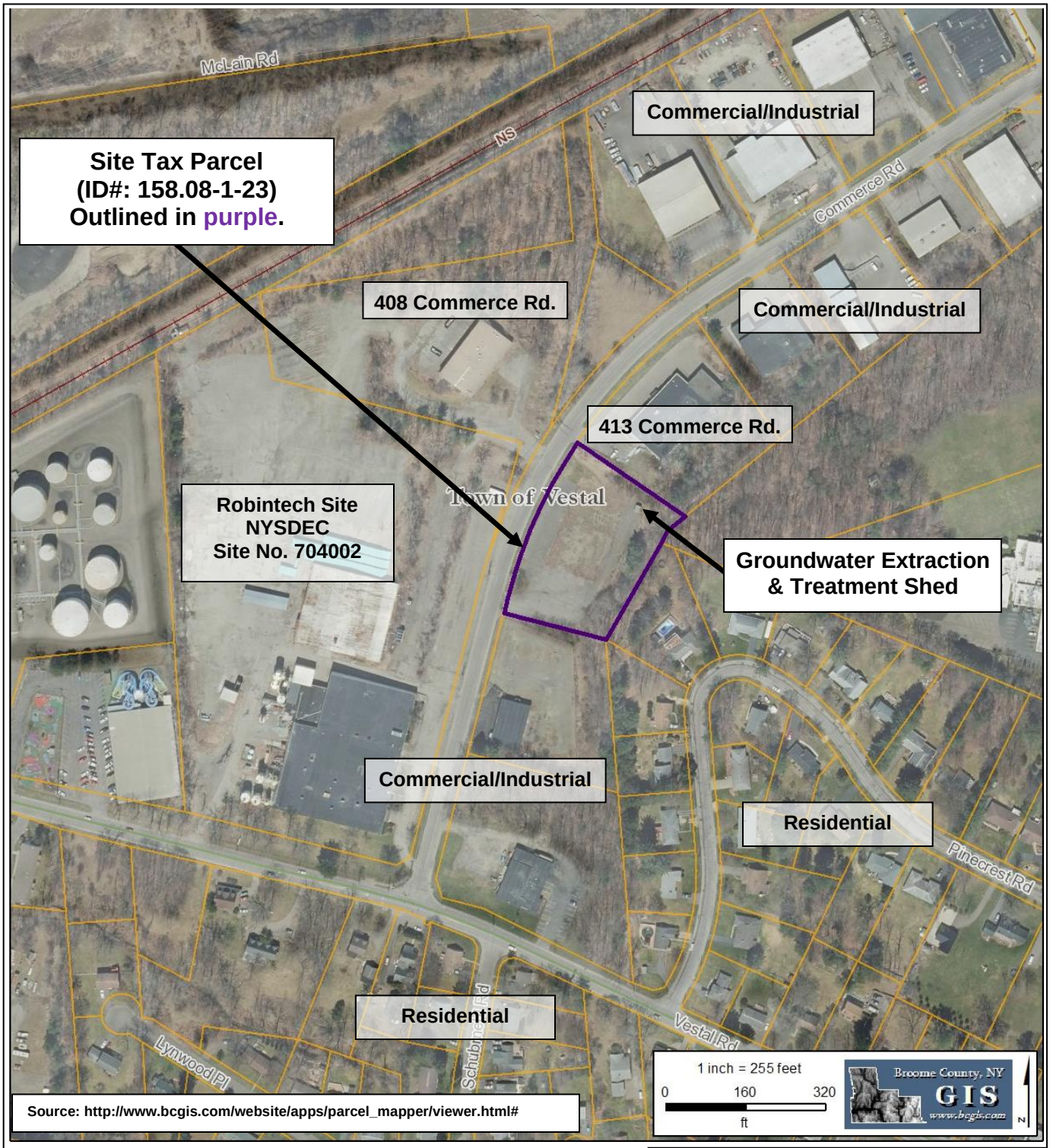
GeoLogic

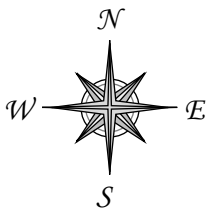
GeoLogic NY, PC, Homer, New York

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	DEC. 2023	1

P:\PROJECTS\2018\218010 - Winatic Vestal NY\REPORT\2023 PRR\Drawings\Drawing No. 1 Site Location Plan.docx





Project North

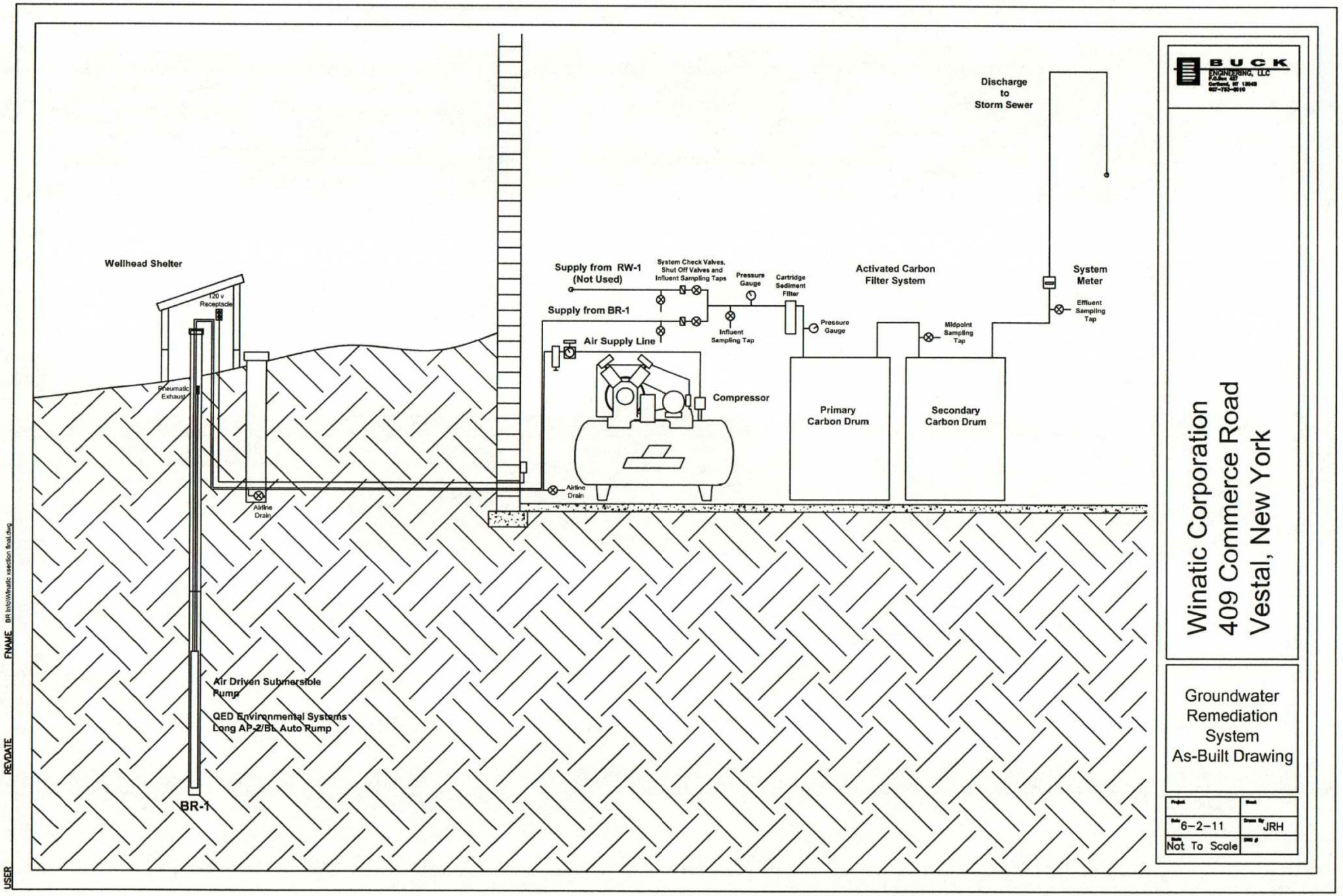
GeoLogic

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	DEC. 2023	2

P:\PROJECTS\2018\218010 - Winatic Vestal NY\REPORT\2023 PRR\Drawings\Drawing No. 2 Tax Map & Vicinity Plan.docx


Wellhead Shelter
120 v Receptacle
Pneumatic Exhaust
Airline Drain
Air Driven Submersible Pump
QED Environmental Systems Long AP-2/BL Auto Pump
BR-1
Supply from RW-1 (Not Used)
System Check Valves, Shut Off Valves and Influent Sampling Taps
Pressure Gauge
Cartridge Sediment Filter
Supply from BR-1
Influent Sampling Tap
Air Supply Line
Pressure Gauge
Activated Carbon Filter System
Midpoint Sampling Tap
System Meter
Effluent Sampling Tap
Discharge to Storm Sewer
Compressor
Airline Drain
Primary Carbon Drum
Secondary Carbon Drum
BUCK ENGINEERING, LLC
Winatic Corporation
409 Commerce Road
Vestal, New York
Groundwater Remediation System As-Built Drawing
6-2-11
JRH
Not To Scale
USER
REVDATE
FNAME
BR Into/Winatic xsection final.dwg

Drawing No. 3

Top of Casing Elevations:

MW-1 = 102.93'
MW-2 = 109.02'
MW-3 = 106.25
MW-5 = 90.21'
MW-6 = 102.94'
MW-7R = 73.57'
MW-15 = 91.20'
BR-1 = 109.77'

Legend:

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

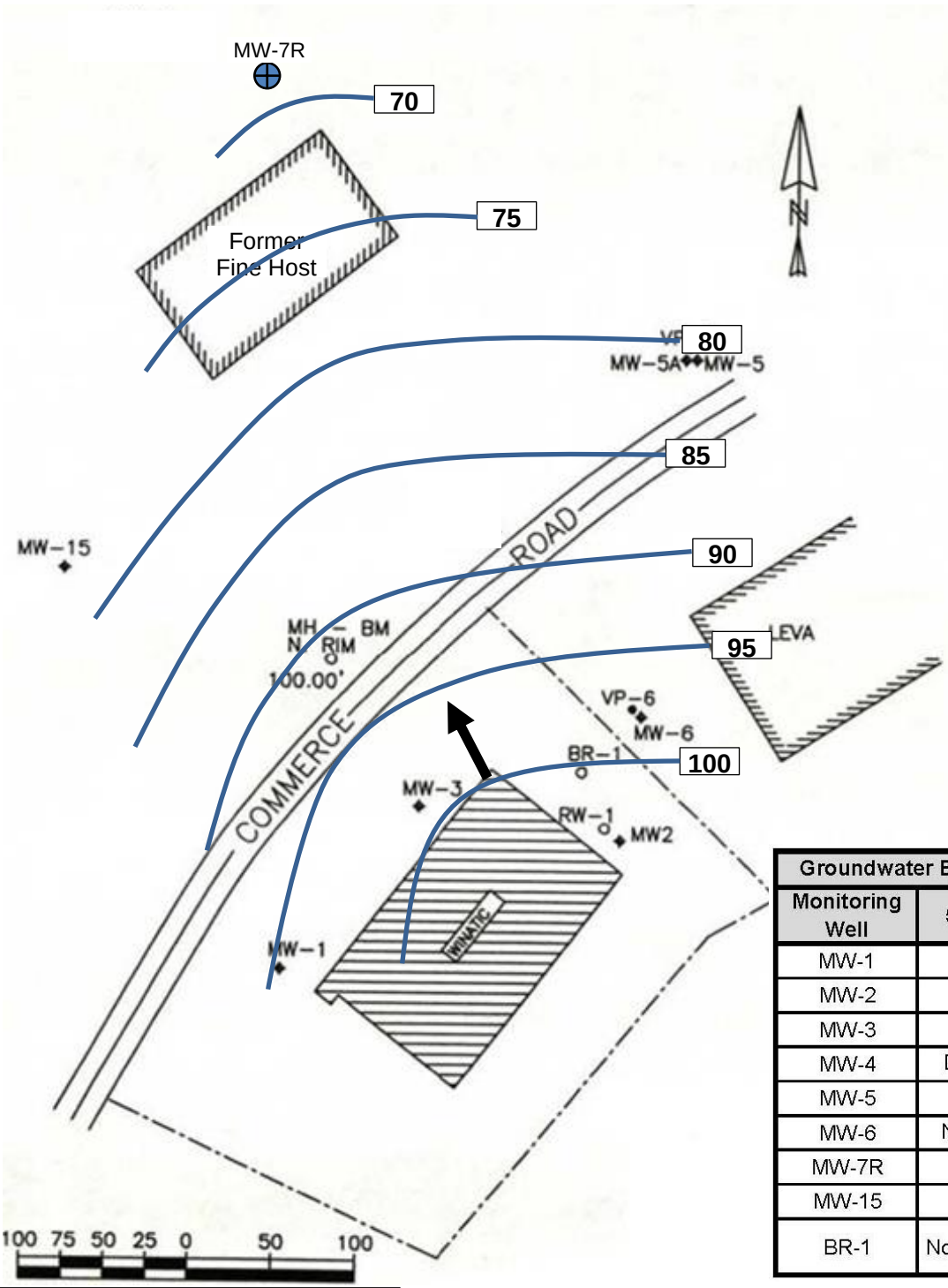
Note: All locations are approximate.

GeoLogic

GeoLogic NY, PC, Homer, New York

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

DRAWN BY:	SCALE:	PROJECT NO:
CTG	Approx. as shown	218010
REVIEWED BY:	DATE:	DRAWING NO:
FCE	DEC. 2023	4



Groundwater Elevations	
Monitoring Well	5/23/2023
MW-1	95.26
MW-2	103.64
MW-3	99.47
MW-4	Destroyed
MW-5	81.15
MW-6	No Access
MW-7R	68.50
MW-15	78.31
BR-1	Not Measured

Legend:

- ◆ Monitoring Well Location
- Direction of Groundwater Flow
- 90 Groundwater Contour Elevation
- Water Table Contour for 5-23-23

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

GeoLogic

GeoLogic NY, PC, Homer, New York

GROUNDWATER CONTOUR MAP
MAY 23, 2023
409 COMMERCE ROAD, VESTAL, NY
SITE NO. V00138

DRAWN BY:	SCALE:	PROJECT NO:
CTG	Not To Scale	218010
REVIEWED BY:	DATE:	DRAWING NO:
FCE	MAY 2023	5

P:\PROJECTS\2018\218010 - Winatic Vestal NY\REPORT\2023 PRR\Drawings\Drawing No. 5 GW Contour Map 05-23-2023.docx

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	

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
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
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
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

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
10/13/2020	3,088.80	3.51	ND <1.0	NR

TABLE 3
SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER REMEDIATION SYSTEM

Date	Influent cVOCs	Mid cVOCs	Effluent cVOCs	Flow Meter
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

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
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
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
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		
	5/23/2023	1.3	<1.0 ND	<1.0 ND

TABLE 4
SUMMARY OF ANALYTICAL RESULTS - MONITORING WELLS

Monitoring Well	Date	TCE (µg/L)	DCE (µg/L)	VC (µg/L)
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		
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
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
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		

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.

Only TCE, DCE & VC included on table. See laboratory analysis for all other parameters and qualifiers.

APPENDIX D

LABORATORY ANALYSIS REPORTS

MICROBAC®

Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S2K0294

Winatic Corporation

John Sellers
PO BOX 18802
Clearwater, FL 33762

Project Name: 409 Commerce Rd, Vestal, NY 13850

Project / PO Number: N/A
Received: 11/15/2022
Reported: 12/05/2022

Analytical Testing Parameters

Client Sample ID:	System Effluent		
Sample Matrix:	Ground Water	**Collected By:**	Customer
Lab Sample ID:	S2K0294-01	**Collection Date:**	11/14/2022 7:30

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Volatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8260D								
Acetone	<5.00	5.00	ug/L	1	**Q8**		11/25/22 2052	KJB
Benzene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Bromobenzene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Bromochloromethane	<1.00	1.00	ug/L	1	**Q8**		11/25/22 2052	KJB
Bromodichloromethane	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Bromoform	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Bromomethane	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
2-Butanone	<5.00	5.00	ug/L	1			11/25/22 2052	KJB
sec-Butylbenzene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
tert-Butylbenzene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
n-Butylbenzene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Carbon disulfide	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Carbon tetrachloride	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Chlorobenzene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Chlorodibromomethane	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Chloroethane (Ethyl chloride)	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Chloroform	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Chloromethane	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Cyclohexane	<5.00	5.00	ug/L	1			11/25/22 2052	KJB
1,2-Dibromo-3-chloropropane	<2.00	2.00	ug/L	1	**Y**		11/25/22 2052	KJB
1,2-Dibromoethane	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Dibromomethane	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
1,2-Dichlorobenzene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
1,4-Dichlorobenzene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
1,3-Dichlorobenzene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Dichlorodifluoromethane	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
1,1-Dichloroethane	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
1,2-Dichloroethane	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
1,2-Dichloroethene	<1.00	1.00	ug/L	1	**Y**		11/25/22 2052	KJB
trans-1,2-Dichloroethene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
1,1-Dichloroethene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
cis-1,2-Dichloroethene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
1,2-Dichloropropane	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
1,3-Dichloropropane	<1.00	1.00	ug/L	1			11/25/22 2052	KJB

CERTIFICATE OF ANALYSIS

S2K0294

Client Sample ID:	System Effluent		
Sample Matrix:	Ground Water	**Collected By:**	Customer
Lab Sample ID:	S2K0294-01	**Collection Date:**	11/14/2022 7:30

Volatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
cis-1,3-Dichloropropene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
trans-1,3-Dichloropropene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
1,1-Dichloropropene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
1,3-Dichloropropene	<1.00	1.00	ug/L	1	**Y**		11/25/22 2052	KJB
Ethylbenzene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Hexachlorobutadiene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
2-Hexanone	<5.00	5.00	ug/L	1			11/25/22 2052	KJB
Isopropylbenzene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
p-Isopropyltoluene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Methylene chloride	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
4-Methyl-2-pentanone	<5.00	5.00	ug/L	1			11/25/22 2052	KJB
Naphthalene	<1.00	1.00	ug/L	1	**B1**		11/25/22 2052	KJB
n-Propylbenzene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Styrene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
1,1,1,2-Tetrachloroethane	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
1,1,2,2-Tetrachloroethane	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Tetrachloroethene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Toluene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
1,2,3-Trichlorobenzene	<1.00	1.00	ug/L	1	**B1**		11/25/22 2052	KJB
1,2,4-Trichlorobenzene	<1.00	1.00	ug/L	1	**B1**		11/25/22 2052	KJB
1,1,1-Trichloroethane	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
1,1,2-Trichloroethane	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Trichloroethene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Trichlorofluoromethane	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
1,2,4-Trimethylbenzene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
1,3,5-Trimethylbenzene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Vinyl chloride	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
m-,p-Xylene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
o-Xylene	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Xylenes	<1.00	1.00	ug/L	1			11/25/22 2052	KJB
Surrogate: 4-Bromofluorobenzene	96.2	Limit: 86-115	% Rec	1			11/25/22 2052	KJB
Surrogate: Dibromofluoromethane	103	Limit: 86-118	% Rec	1			11/25/22 2052	KJB
Surrogate: 1,2-Dichloroethane-d4	99.2	Limit: 80-120	% Rec	1			11/25/22 2052	KJB
Surrogate: Toluene-d8	97.4	Limit: 88-110	% Rec	1			11/25/22 2052	KJB

CERTIFICATE OF ANALYSIS

S2K0294

Client Sample ID:	System Influent		
Sample Matrix:	Ground Water	**Collected By:**	Customer
Lab Sample ID:	S2K0294-02	**Collection Date:**	11/14/2022 7:35

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Volatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8260D								
Acetone	<5.00	5.00	ug/L	1	**Q8**		11/25/22 2134	KJB
Benzene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Bromobenzene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Bromochloromethane	<1.00	1.00	ug/L	1	**Q8**		11/25/22 2134	KJB
Bromodichloromethane	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Bromoform	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Bromomethane	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
2-Butanone	<5.00	5.00	ug/L	1			11/25/22 2134	KJB
sec-Butylbenzene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
tert-Butylbenzene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
n-Butylbenzene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Carbon disulfide	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Carbon tetrachloride	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Chlorobenzene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Chlorodibromomethane	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Chloroethane (Ethyl chloride)	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Chloroform	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Chloromethane	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Cyclohexane	<5.00	5.00	ug/L	1			11/25/22 2134	KJB
1,2-Dibromo-3-chloropropane	<2.00	2.00	ug/L	1	**Y**		11/25/22 2134	KJB
1,2-Dibromoethane	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Dibromomethane	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
1,2-Dichlorobenzene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
1,4-Dichlorobenzene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
1,3-Dichlorobenzene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Dichlorodifluoromethane	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
1,1-Dichloroethane	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
1,2-Dichloroethane	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
1,2-Dichloroethene	**11.9**	1.00	ug/L	1	**Y**		11/25/22 2134	KJB
trans-1,2-Dichloroethene	**1.09**	1.00	ug/L	1			11/25/22 2134	KJB
1,1-Dichloroethene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
cis-1,2-Dichloroethene	**10.8**	1.00	ug/L	1			11/25/22 2134	KJB
1,2-Dichloropropane	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
1,3-Dichloropropane	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
cis-1,3-Dichloropropene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
trans-1,3-Dichloropropene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
1,1-Dichloropropene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
1,3-Dichloropropene	<1.00	1.00	ug/L	1	**Y**		11/25/22 2134	KJB
Ethylbenzene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Hexachlorobutadiene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
2-Hexanone	<5.00	5.00	ug/L	1			11/25/22 2134	KJB

Client Sample ID:	System Influent		
Sample Matrix:	Ground Water	**Collected By:**	Customer
Lab Sample ID:	S2K0294-02	**Collection Date:**	11/14/2022 7:35

Volatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Isopropylbenzene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
p-Isopropyltoluene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Methylene chloride	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
4-Methyl-2-pentanone	<5.00	5.00	ug/L	1			11/25/22 2134	KJB
Naphthalene	<1.00	1.00	ug/L	1	**B1**		11/25/22 2134	KJB
n-Propylbenzene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Styrene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
1,1,1,2-Tetrachloroethane	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
1,1,2,2-Tetrachloroethane	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Tetrachloroethene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Toluene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
1,2,3-Trichlorobenzene	<1.00	1.00	ug/L	1	**B1**		11/25/22 2134	KJB
1,2,4-Trichlorobenzene	<1.00	1.00	ug/L	1	**B1**		11/25/22 2134	KJB
1,1,1-Trichloroethane	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
1,1,2-Trichloroethane	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Trichloroethene	**886**	50.0	ug/L	50	**D3**		11/28/22 1610	KJB
Trichlorofluoromethane	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
1,2,4-Trimethylbenzene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
1,3,5-Trimethylbenzene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Vinyl chloride	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
m-,p-Xylene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
o-Xylene	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Xylenes	<1.00	1.00	ug/L	1			11/25/22 2134	KJB
Surrogate: 4-Bromofluorobenzene	94.1	Limit: 86-115	% Rec	1			11/25/22 2134	KJB
Surrogate: 4-Bromofluorobenzene	98.6	Limit: 86-115	% Rec	50			11/28/22 1610	KJB
Surrogate: Dibromofluoromethane	98.3	Limit: 86-118	% Rec	1			11/25/22 2134	KJB
Surrogate: Dibromofluoromethane	106	Limit: 86-118	% Rec	50			11/28/22 1610	KJB
Surrogate: 1,2-Dichloroethane-d4	104	Limit: 80-120	% Rec	50			11/28/22 1610	KJB
Surrogate: 1,2-Dichloroethane-d4	94.1	Limit: 80-120	% Rec	1			11/25/22 2134	KJB
Surrogate: Toluene-d8	96.3	Limit: 88-110	% Rec	1			11/25/22 2134	KJB
Surrogate: Toluene-d8	104	Limit: 88-110	% Rec	50			11/28/22 1610	KJB

CERTIFICATE OF ANALYSIS

S2K0294

Client Sample ID:	System Mid		
Sample Matrix:	Ground Water	**Collected By:**	Customer
Lab Sample ID:	S2K0294-03	**Collection Date:**	11/14/2022 7:40

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Volatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8260D								
Acetone	<5.00	5.00	ug/L	1	**Q8**		11/25/22 2113	KJB
Benzene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Bromobenzene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Bromochloromethane	<1.00	1.00	ug/L	1	**Q8**		11/25/22 2113	KJB
Bromodichloromethane	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Bromoform	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Bromomethane	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
2-Butanone	<5.00	5.00	ug/L	1			11/25/22 2113	KJB
sec-Butylbenzene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
tert-Butylbenzene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
n-Butylbenzene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Carbon disulfide	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Carbon tetrachloride	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Chlorobenzene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Chlorodibromomethane	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Chloroethane (Ethyl chloride)	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Chloroform	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Chloromethane	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Cyclohexane	<5.00	5.00	ug/L	1			11/25/22 2113	KJB
1,2-Dibromo-3-chloropropane	<2.00	2.00	ug/L	1	**Y**		11/25/22 2113	KJB
1,2-Dibromoethane	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Dibromomethane	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
1,2-Dichlorobenzene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
1,4-Dichlorobenzene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
1,3-Dichlorobenzene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Dichlorodifluoromethane	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
1,1-Dichloroethane	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
1,2-Dichloroethane	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
1,2-Dichloroethene	<1.00	1.00	ug/L	1	**Y**		11/25/22 2113	KJB
trans-1,2-Dichloroethene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
1,1-Dichloroethene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
cis-1,2-Dichloroethene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
1,2-Dichloropropane	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
1,3-Dichloropropane	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
cis-1,3-Dichloropropene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
trans-1,3-Dichloropropene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
1,1-Dichloropropene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
1,3-Dichloropropene	<1.00	1.00	ug/L	1	**Y**		11/25/22 2113	KJB
Ethylbenzene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Hexachlorobutadiene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
2-Hexanone	<5.00	5.00	ug/L	1			11/25/22 2113	KJB

Client Sample ID:	System Mid		
Sample Matrix:	Ground Water	**Collected By:**	Customer
Lab Sample ID:	S2K0294-03	**Collection Date:**	11/14/2022 7:40

Volatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Isopropylbenzene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
p-Isopropyltoluene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Methylene chloride	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
4-Methyl-2-pentanone	<5.00	5.00	ug/L	1			11/25/22 2113	KJB
Naphthalene	<1.00	1.00	ug/L	1	**B1**		11/25/22 2113	KJB
n-Propylbenzene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Styrene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
1,1,1,2-Tetrachloroethane	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
1,1,2,2-Tetrachloroethane	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Tetrachloroethene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Toluene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
1,2,3-Trichlorobenzene	<1.00	1.00	ug/L	1	**B1**		11/25/22 2113	KJB
1,2,4-Trichlorobenzene	<1.00	1.00	ug/L	1	**B1**		11/25/22 2113	KJB
1,1,1-Trichloroethane	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
1,1,2-Trichloroethane	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Trichloroethene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Trichlorofluoromethane	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
1,2,4-Trimethylbenzene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
1,3,5-Trimethylbenzene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Vinyl chloride	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
m-,p-Xylene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
o-Xylene	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Xylenes	<1.00	1.00	ug/L	1			11/25/22 2113	KJB
Surrogate: 4-Bromofluorobenzene	97.6	Limit: 86-115	% Rec	1			11/25/22 2113	KJB
Surrogate: Dibromofluoromethane	101	Limit: 86-118	% Rec	1			11/25/22 2113	KJB
Surrogate: 1,2-Dichloroethane-d4	99.1	Limit: 80-120	% Rec	1			11/25/22 2113	KJB
Surrogate: Toluene-d8	99.0	Limit: 88-110	% Rec	1			11/25/22 2113	KJB

Client Sample ID:	Trip Blank		
Sample Matrix:	Ground Water	**Collected By:**	Customer
Lab Sample ID:	S2K0294-04	**Collection Date:**	11/14/2022

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Volatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8260D								
Acetone	<5.00	5.00	ug/L	1	**Q8**		11/25/22 1743	KJB
Benzene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Bromobenzene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Bromochloromethane	<1.00	1.00	ug/L	1	**Q8**		11/25/22 1743	KJB
Bromodichloromethane	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Bromoform	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Bromomethane	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
2-Butanone	<5.00	5.00	ug/L	1			11/25/22 1743	KJB
sec-Butylbenzene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
tert-Butylbenzene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
n-Butylbenzene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Carbon disulfide	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Carbon tetrachloride	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Chlorobenzene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Chlorodibromomethane	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Chloroethane (Ethyl chloride)	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Chloroform	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Chloromethane	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Cyclohexane	<5.00	5.00	ug/L	1			11/25/22 1743	KJB
1,2-Dibromo-3-chloropropane	<2.00	2.00	ug/L	1	**Y**		11/25/22 1743	KJB
1,2-Dibromoethane	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Dibromomethane	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
1,2-Dichlorobenzene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
1,4-Dichlorobenzene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
1,3-Dichlorobenzene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Dichlorodifluoromethane	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
1,1-Dichloroethane	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
1,2-Dichloroethane	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
1,2-Dichloroethene	<1.00	1.00	ug/L	1	**Y**		11/25/22 1743	KJB
trans-1,2-Dichloroethene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
1,1-Dichloroethene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
cis-1,2-Dichloroethene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
1,2-Dichloropropane	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
1,3-Dichloropropane	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
cis-1,3-Dichloropropene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
trans-1,3-Dichloropropene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
1,1-Dichloropropene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
1,3-Dichloropropene	<1.00	1.00	ug/L	1	**Y**		11/25/22 1743	KJB
Ethylbenzene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Hexachlorobutadiene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
2-Hexanone	<5.00	5.00	ug/L	1			11/25/22 1743	KJB

Client Sample ID:	Trip Blank		
Sample Matrix:	Ground Water	**Collected By:**	Customer
Lab Sample ID:	S2K0294-04	**Collection Date:**	11/14/2022

Volatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Isopropylbenzene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
p-Isopropyltoluene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Methylene chloride	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
4-Methyl-2-pentanone	<5.00	5.00	ug/L	1			11/25/22 1743	KJB
Naphthalene	<1.00	1.00	ug/L	1	**B1**		11/25/22 1743	KJB
n-Propylbenzene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Styrene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
1,1,1,2-Tetrachloroethane	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
1,1,2,2-Tetrachloroethane	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Tetrachloroethene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Toluene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
1,2,3-Trichlorobenzene	<1.00	1.00	ug/L	1	**B1**		11/25/22 1743	KJB
1,2,4-Trichlorobenzene	<1.00	1.00	ug/L	1	**B1**		11/25/22 1743	KJB
1,1,1-Trichloroethane	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
1,1,2-Trichloroethane	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Trichloroethene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Trichlorofluoromethane	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
1,2,4-Trimethylbenzene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
1,3,5-Trimethylbenzene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Vinyl chloride	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
m-,p-Xylene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
o-Xylene	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Xylenes	<1.00	1.00	ug/L	1			11/25/22 1743	KJB
Surrogate: 4-Bromofluorobenzene	95.9	Limit: 86-115	% Rec	1			11/25/22 1743	KJB
Surrogate: Dibromofluoromethane	100	Limit: 86-118	% Rec	1			11/25/22 1743	KJB
Surrogate: 1,2-Dichloroethane-d4	98.9	Limit: 80-120	% Rec	1			11/25/22 1743	KJB
Surrogate: Toluene-d8	97.6	Limit: 88-110	% Rec	1			11/25/22 1743	KJB

Definitions

B1:	Target analyte is detected in the method blank at or above the reporting limit. There is no impact on the reported value.
D3:	Dilution was performed due to high target analyte concentration.
Q8:	CCV recovery is below acceptance limits. The reported value is estimated.
RL:	Reporting Limit
ug/L:	Micrograms per Liter
Y:	This analyte is not on the laboratory's current scope of accreditation.

Project Requested Certification(s)

Microbac Laboratories Inc., - Marietta, OH
10861 NY State Department of Health

Report Comments

Samples were received in proper condition and the reported results conform to applicable accreditation standard unless otherwise noted.

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. ***The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.***

Reviewed and Approved By:

Renee Lantz

Customer Relationship Specialist

Reported: 12/05/2022 15:20

MICROBAC®

Chain of Custody

Microbac Laboratories, Inc., Sayre Division

Lab Contact: Kylie Ryan

S2K0294

TAT 7 days

Winatic Corporation

John Sellers
PO BOX 18802
Clearwater, FL 33762
Phone: (727) 536-7861
john.sellers@electrotechnik.com

Project Name: 409 Commerce Rd, Vestal, NY 13850

Project/PO Number: N/A
Tenatively Scheduled: 11/2/2022
Route: NY-Route 1 Bing

Client Sample ID: System Effluent
Lab Sample ID: S2K0294-01
Matrix: Ground Water
Type: Grab

Sampled Date & Time: 11/14/22 7:30

Ground Water Well		Sampling Equipment		Conditions	Start	Stop
Tag Number:		Pump Number:		Weather:		
Grout: (Poor / Good) Note:		Type:		Odor:		
Casing: (Poor / Good) Note:		Settings:		Color:		
Lock: (Poor / Good) Note:		Rate ml/min:		Sheen:		
Obstructions		Tubing:		Foam:		
Comments:				Other:		

Analysis	Method	Field Results/Comments	Hold Time
8260C VOC	EPA 8260C		14 days
		Container(s)	Designator
		40ml-Vial-HCL	A
		40ml-Vial-HCL	B

Client Sample ID: System Influent
Lab Sample ID: S2K0294-02
Matrix: Ground Water
Type: Grab

Sampled Date & Time: 11/14/22 7:35

Ground Water Well		Sampling Equipment		Conditions	Start	Stop
Tag Number:		Pump Number:		Weather:		
Grout: (Poor / Good) Note:		Type:		Odor:		
Casing: (Poor / Good) Note:		Settings:		Color:		
Lock: (Poor / Good) Note:		Rate ml/min:		Sheen:		
Obstructions		Tubing:		Foam:		
Comments:				Other:		

Analysis	Method	Field Results/Comments	Hold Time
8260C VOC	EPA 8260C		14 days

MICROBAC®

Chain of Custody

Microbac Laboratories, Inc., Sayre Division

Lab Contact: Kylie Ryan

S2K0294

Winatic Corporation

John Sellers
PO BOX 18802
Clearwater, FL 33762
Phone: (727) 536-7861
john.sellers@electrotechnik.com

Project Name: 409 Commerce Rd, Vestal, NY 13850

Project/PO Number: N/A
Tenatively Scheduled: 11/2/2022
Route: NY-Route 1 Bing

Container(s)	Designator
40ml-Vial-HCL	A
40ml-Vial-HCL	B

Client Sample ID: System Mid
Lab Sample ID: S2K0294-03
Matrix: Ground Water
Type: Grab

Sampled Date & Time: 11/14/22 7:40

Ground Water Well		Sampling Equipment		Conditions	Start	Stop
Tag Number:		Pump Type:		Weather:		
Grout: (Poor / Good) Note:		Number:		Odor:		
Casing: (Poor / Good) Note:		Settings:		Color:		
Lock: (Poor / Good) Note:		Rate ml/min:		Sheen:		
Obstructions		Tubing:		Foam:		
Comments:				Other:		

Analysis	Method	Field Results/Comments	Hold Time
8260C VOC	EPA 8260C		14 days

Container(s)	Designator
40ml-Vial-HCL	A
40ml-Vial-HCL	B

Client Sample ID: Trip Blank - 110322 14:00 RMC
Lab Sample ID: S2K0294-04
Matrix: Ground Water
Type: Trip Blank

Sampled Date & Time: 11/14/22

Ground Water Well		Sampling Equipment		Conditions	Start	Stop
Tag Number:		Pump Type:		Weather:		
Grout: (Poor / Good) Note:		Number:		Odor:		
Casing: (Poor / Good) Note:		Settings:		Color:		
Lock: (Poor / Good) Note:		Rate ml/min:		Sheen:		
Obstructions		Tubing:		Foam:		
Comments:				Other:		

Analysis	Method	Field Results/Comments	Hold Time

MICROBAC®

Chain of Custody

Microbac Laboratories, Inc., Sayre Division

Lab Contact: Kylie Ryan

S2K0294

Winatic Corporation

John Sellers
PO BOX 18802
Clearwater, FL 33762
Phone: (727) 536-7861
john.sellers@electrotechnik.com

Project Name: 409 Commerce Rd, Vestal, NY 13850

Project/PO Number: N/A
Tenatively Scheduled: 11/2/2022
Route: NY-Route 1 Bing

8260C VOC EPA 8260C

14 days
Designator
A

Container(s)
40ml-Vial-HCL

Sampled/Relinquished by: [signature]	Date/Time: 11/14/22 1330	Received by: [signature]
Printed Name: Ernest Spencer	9:00	Printed Name: Ked. Timmon
Relinquished by: [signature]	Date/Time: 11-14-22	Received by:
Printed Name: Ked. Timmon		Printed Name:
Relinquished by:	Date/Time:	Received by: Kevin Cook 11-15-22
Printed Name:		Printed Name: Kevin Cook 7:14

As Received at Laboratory: On Ice: (Yes) / No Temp: 4.2 °C Thermometer ID: 10 Custody Seal: Yes / No / NA

Total Containers: 7.00

Microbac Laboratories may be unable to perform a portion of the requested testing in which case we will subcontract the analysis to an appropriately accredited laboratory. By signing this document you are acknowledging that you have been informed by Microbac that testing could be subcontracted and agree with this arrangement.

Notes:

MICROBAC®

Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S2L0046

Winatic Corporation

John Sellers
PO BOX 18802
Clearwater, FL 33762

Project Name: 409 Commerce Rd, Vestal, NY 13850

Project / PO Number: N/A
Received: 12/14/2022
Reported: 12/28/2022

Case Narrative

Microbac Laboratories Inc., - Marietta, OH

The trip blank was received out of hold, client was notified and lab proceeded with testing.

Analytical Testing Parameters

Client Sample ID:	System Effluent		
Sample Matrix:	Ground Water	**Collected By:**	Ernest Spencer
Lab Sample ID:	S2L0046-01	**Collection Date:**	12/13/2022 11:20

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Volatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8260D								
Acetone	<5.00	5.00	ug/L	1			12/20/22 2017	KJB
Benzene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Bromobenzene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Bromochloromethane	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Bromodichloromethane	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Bromoform	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Bromomethane	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
2-Butanone	<5.00	5.00	ug/L	1			12/20/22 2017	KJB
sec-Butylbenzene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
tert-Butylbenzene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
n-Butylbenzene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Carbon disulfide	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Carbon tetrachloride	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Chlorobenzene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Chlorodibromomethane	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Chloroethane (Ethyl chloride)	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Chloroform	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Chloromethane	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Cyclohexane	<5.00	5.00	ug/L	1			12/20/22 2017	KJB
1,2-Dibromo-3-chloropropane	<2.00	2.00	ug/L	1	**Q8, Y**		12/20/22 2017	KJB
1,2-Dibromoethane	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Dibromomethane	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
1,2-Dichlorobenzene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
1,4-Dichlorobenzene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
1,3-Dichlorobenzene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Dichlorodifluoromethane	<1.00	1.00	ug/L	1	**Q8**		12/20/22 2017	KJB
1,1-Dichloroethane	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
1,2-Dichloroethane	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
1,2-Dichloroethene	<1.00	1.00	ug/L	1	**Y**		12/20/22 2017	KJB

CERTIFICATE OF ANALYSIS

S2L0046

Client Sample ID:	System Effluent		
Sample Matrix:	Ground Water	**Collected By:**	Ernest Spencer
Lab Sample ID:	S2L0046-01	**Collection Date:**	12/13/2022 11:20

Volatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
trans-1,2-Dichloroethene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
1,1-Dichloroethene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
cis-1,2-Dichloroethene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
1,2-Dichloropropane	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
1,3-Dichloropropane	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
cis-1,3-Dichloropropene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
trans-1,3-Dichloropropene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
1,1-Dichloropropene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
1,3-Dichloropropene	<1.00	1.00	ug/L	1	**Y**		12/20/22 2017	KJB
Ethylbenzene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Hexachlorobutadiene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
2-Hexanone	<5.00	5.00	ug/L	1			12/20/22 2017	KJB
Isopropylbenzene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
p-Isopropyltoluene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Methylene chloride	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
4-Methyl-2-pentanone	<5.00	5.00	ug/L	1			12/20/22 2017	KJB
Naphthalene	<1.00	1.00	ug/L	1	**Q8**		12/20/22 2017	KJB
n-Propylbenzene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Styrene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
1,1,1,2-Tetrachloroethane	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
1,1,2,2-Tetrachloroethane	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Tetrachloroethene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Toluene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
1,2,3-Trichlorobenzene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
1,2,4-Trichlorobenzene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
1,1,1-Trichloroethane	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
1,1,2-Trichloroethane	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Trichloroethene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Trichlorofluoromethane	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
1,2,4-Trimethylbenzene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
1,3,5-Trimethylbenzene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Vinyl chloride	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
m-,p-Xylene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
o-Xylene	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Xylenes	<1.00	1.00	ug/L	1			12/20/22 2017	KJB
Surrogate: 4-Bromofluorobenzene	102	Limit: 86-115	% Rec	1			12/20/22 2017	KJB
Surrogate: Dibromofluoromethane	103	Limit: 86-118	% Rec	1			12/20/22 2017	KJB
Surrogate: 1,2-Dichloroethane-d4	102	Limit: 80-120	% Rec	1			12/20/22 2017	KJB
Surrogate: Toluene-d8	98.1	Limit: 88-110	% Rec	1			12/20/22 2017	KJB

CERTIFICATE OF ANALYSIS

S2L0046

Client Sample ID:	System Influent		
Sample Matrix:	Ground Water	**Collected By:**	Ernest Spencer
Lab Sample ID:	S2L0046-02	**Collection Date:**	12/13/2022 11:30

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Volatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8260D								
Acetone	<5.00	5.00	ug/L	1			12/20/22 2350	KJB
Benzene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Bromobenzene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Bromochloromethane	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Bromodichloromethane	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Bromoform	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Bromomethane	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
2-Butanone	<5.00	5.00	ug/L	1			12/20/22 2350	KJB
sec-Butylbenzene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
tert-Butylbenzene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
n-Butylbenzene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Carbon disulfide	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Carbon tetrachloride	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Chlorobenzene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Chlorodibromomethane	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Chloroethane (Ethyl chloride)	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Chloroform	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Chloromethane	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Cyclohexane	<5.00	5.00	ug/L	1			12/20/22 2350	KJB
1,2-Dibromo-3-chloropropane	<2.00	2.00	ug/L	1	**Q8, Y**		12/20/22 2350	KJB
1,2-Dibromoethane	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Dibromomethane	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
1,2-Dichlorobenzene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
1,4-Dichlorobenzene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
1,3-Dichlorobenzene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Dichlorodifluoromethane	<1.00	1.00	ug/L	1	**Q8**		12/20/22 2350	KJB
1,1-Dichloroethane	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
1,2-Dichloroethane	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
1,2-Dichloroethene	**1.27**	1.00	ug/L	1	**Y**		12/20/22 2350	KJB
trans-1,2-Dichloroethene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
1,1-Dichloroethene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
cis-1,2-Dichloroethene	**1.27**	1.00	ug/L	1			12/20/22 2350	KJB
1,2-Dichloropropane	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
1,3-Dichloropropane	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
cis-1,3-Dichloropropene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
trans-1,3-Dichloropropene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
1,1-Dichloropropene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
1,3-Dichloropropene	<1.00	1.00	ug/L	1	**Y**		12/20/22 2350	KJB
Ethylbenzene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Hexachlorobutadiene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
2-Hexanone	<5.00	5.00	ug/L	1			12/20/22 2350	KJB

Client Sample ID:	System Influent		
Sample Matrix:	Ground Water	**Collected By:**	Ernest Spencer
Lab Sample ID:	S2L0046-02	**Collection Date:**	12/13/2022 11:30

Volatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Isopropylbenzene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
p-Isopropyltoluene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Methylene chloride	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
4-Methyl-2-pentanone	<5.00	5.00	ug/L	1			12/20/22 2350	KJB
Naphthalene	<1.00	1.00	ug/L	1	**Q8**		12/20/22 2350	KJB
n-Propylbenzene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Styrene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
1,1,1,2-Tetrachloroethane	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
1,1,2,2-Tetrachloroethane	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Tetrachloroethene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Toluene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
1,2,3-Trichlorobenzene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
1,2,4-Trichlorobenzene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
1,1,1-Trichloroethane	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
1,1,2-Trichloroethane	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Trichloroethene	**313**	10.0	ug/L	10	**D3**		12/22/22 0121	KJB
Trichlorofluoromethane	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
1,2,4-Trimethylbenzene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
1,3,5-Trimethylbenzene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Vinyl chloride	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
m-,p-Xylene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
o-Xylene	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Xylenes	<1.00	1.00	ug/L	1			12/20/22 2350	KJB
Surrogate: 4-Bromofluorobenzene	101	Limit: 86-115	% Rec	1			12/20/22 2350	KJB
Surrogate: 4-Bromofluorobenzene	100	Limit: 86-115	% Rec	10			12/22/22 0121	KJB
Surrogate: Dibromofluoromethane	103	Limit: 86-118	% Rec	1			12/20/22 2350	KJB
Surrogate: Dibromofluoromethane	105	Limit: 86-118	% Rec	10			12/22/22 0121	KJB
Surrogate: 1,2-Dichloroethane-d4	103	Limit: 80-120	% Rec	10			12/22/22 0121	KJB
Surrogate: 1,2-Dichloroethane-d4	103	Limit: 80-120	% Rec	1			12/20/22 2350	KJB
Surrogate: Toluene-d8	98.2	Limit: 88-110	% Rec	1			12/20/22 2350	KJB
Surrogate: Toluene-d8	97.0	Limit: 88-110	% Rec	10			12/22/22 0121	KJB

CERTIFICATE OF ANALYSIS

S2L0046

Client Sample ID:	System Mid		
Sample Matrix:	Ground Water	**Collected By:**	Ernest Spencer
Lab Sample ID:	S2L0046-03	**Collection Date:**	12/13/2022 11:25

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Volatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8260D								
Acetone	<5.00	5.00	ug/L	1			12/20/22 2326	KJB
Benzene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Bromobenzene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Bromochloromethane	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Bromodichloromethane	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Bromoform	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Bromomethane	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
2-Butanone	<5.00	5.00	ug/L	1			12/20/22 2326	KJB
sec-Butylbenzene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
tert-Butylbenzene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
n-Butylbenzene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Carbon disulfide	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Carbon tetrachloride	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Chlorobenzene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Chlorodibromomethane	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Chloroethane (Ethyl chloride)	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Chloroform	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Chloromethane	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Cyclohexane	<5.00	5.00	ug/L	1			12/20/22 2326	KJB
1,2-Dibromo-3-chloropropane	<2.00	2.00	ug/L	1	**Q8, Y**		12/20/22 2326	KJB
1,2-Dibromoethane	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Dibromomethane	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
1,2-Dichlorobenzene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
1,4-Dichlorobenzene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
1,3-Dichlorobenzene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Dichlorodifluoromethane	<1.00	1.00	ug/L	1	**Q8**		12/20/22 2326	KJB
1,1-Dichloroethane	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
1,2-Dichloroethane	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
1,2-Dichloroethene	<1.00	1.00	ug/L	1	**Y**		12/20/22 2326	KJB
trans-1,2-Dichloroethene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
1,1-Dichloroethene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
cis-1,2-Dichloroethene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
1,2-Dichloropropane	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
1,3-Dichloropropane	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
cis-1,3-Dichloropropene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
trans-1,3-Dichloropropene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
1,1-Dichloropropene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
1,3-Dichloropropene	<1.00	1.00	ug/L	1	**Y**		12/20/22 2326	KJB
Ethylbenzene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Hexachlorobutadiene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
2-Hexanone	<5.00	5.00	ug/L	1			12/20/22 2326	KJB

Client Sample ID:	System Mid		
Sample Matrix:	Ground Water	**Collected By:**	Ernest Spencer
Lab Sample ID:	S2L0046-03	**Collection Date:**	12/13/2022 11:25

Volatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Isopropylbenzene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
p-Isopropyltoluene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Methylene chloride	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
4-Methyl-2-pentanone	<5.00	5.00	ug/L	1			12/20/22 2326	KJB
Naphthalene	<1.00	1.00	ug/L	1	**Q8**		12/20/22 2326	KJB
n-Propylbenzene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Styrene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
1,1,1,2-Tetrachloroethane	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
1,1,2,2-Tetrachloroethane	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Tetrachloroethene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Toluene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
1,2,3-Trichlorobenzene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
1,2,4-Trichlorobenzene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
1,1,1-Trichloroethane	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
1,1,2-Trichloroethane	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Trichloroethene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Trichlorofluoromethane	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
1,2,4-Trimethylbenzene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
1,3,5-Trimethylbenzene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Vinyl chloride	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
m-,p-Xylene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
o-Xylene	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Xylenes	<1.00	1.00	ug/L	1			12/20/22 2326	KJB
Surrogate: 4-Bromofluorobenzene	101	Limit: 86-115	% Rec	1			12/20/22 2326	KJB
Surrogate: Dibromofluoromethane	103	Limit: 86-118	% Rec	1			12/20/22 2326	KJB
Surrogate: 1,2-Dichloroethane-d4	101	Limit: 80-120	% Rec	1			12/20/22 2326	KJB
Surrogate: Toluene-d8	99.2	Limit: 88-110	% Rec	1			12/20/22 2326	KJB

Client Sample ID:	Trip Blank		
Sample Matrix:	Ground Water	**Collected By:**	Ernest Spencer
Lab Sample ID:	S2L0046-04	**Collection Date:**	11/08/2022 14:00

Analyses Performed by: Microbac Laboratories Inc., - Marietta, OH

Volatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 8260D			**Method Notes:** H1					
Acetone	<5.00	5.00	ug/L	1			12/20/22 1907	KJB
Benzene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Bromobenzene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Bromochloromethane	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Bromodichloromethane	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Bromoform	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Bromomethane	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
2-Butanone	<5.00	5.00	ug/L	1			12/20/22 1907	KJB
sec-Butylbenzene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
tert-Butylbenzene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
n-Butylbenzene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Carbon disulfide	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Carbon tetrachloride	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Chlorobenzene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Chlorodibromomethane	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Chloroethane (Ethyl chloride)	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Chloroform	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Chloromethane	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Cyclohexane	<5.00	5.00	ug/L	1			12/20/22 1907	KJB
1,2-Dibromo-3-chloropropane	<2.00	2.00	ug/L	1	**Q8, Y**		12/20/22 1907	KJB
1,2-Dibromoethane	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Dibromomethane	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
1,2-Dichlorobenzene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
1,4-Dichlorobenzene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
1,3-Dichlorobenzene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Dichlorodifluoromethane	<1.00	1.00	ug/L	1	**Q8**		12/20/22 1907	KJB
1,1-Dichloroethane	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
1,2-Dichloroethane	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
1,2-Dichloroethene	<1.00	1.00	ug/L	1	**Y**		12/20/22 1907	KJB
trans-1,2-Dichloroethene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
1,1-Dichloroethene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
cis-1,2-Dichloroethene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
1,2-Dichloropropane	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
1,3-Dichloropropane	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
cis-1,3-Dichloropropene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
trans-1,3-Dichloropropene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
1,1-Dichloropropene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
1,3-Dichloropropene	<1.00	1.00	ug/L	1	**Y**		12/20/22 1907	KJB
Ethylbenzene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Hexachlorobutadiene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
2-Hexanone	<5.00	5.00	ug/L	1			12/20/22 1907	KJB

Client Sample ID:	Trip Blank		
Sample Matrix:	Ground Water	**Collected By:**	Ernest Spencer
Lab Sample ID:	S2L0046-04	**Collection Date:**	11/08/2022 14:00

Volatile Organic Compounds by GCMS	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
Isopropylbenzene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
p-Isopropyltoluene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Methylene chloride	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
4-Methyl-2-pentanone	<5.00	5.00	ug/L	1			12/20/22 1907	KJB
Naphthalene	<1.00	1.00	ug/L	1	**Q8**		12/20/22 1907	KJB
n-Propylbenzene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Styrene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
1,1,1,2-Tetrachloroethane	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
1,1,2,2-Tetrachloroethane	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Tetrachloroethene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Toluene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
1,2,3-Trichlorobenzene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
1,2,4-Trichlorobenzene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
1,1,1-Trichloroethane	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
1,1,2-Trichloroethane	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Trichloroethene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Trichlorofluoromethane	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
1,2,4-Trimethylbenzene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
1,3,5-Trimethylbenzene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Vinyl chloride	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
m-,p-Xylene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
o-Xylene	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Xylenes	<1.00	1.00	ug/L	1			12/20/22 1907	KJB
Surrogate: 4-Bromofluorobenzene	102	Limit: 86-115	% Rec	1			12/20/22 1907	KJB
Surrogate: Dibromofluoromethane	101	Limit: 86-118	% Rec	1			12/20/22 1907	KJB
Surrogate: 1,2-Dichloroethane-d4	99.1	Limit: 80-120	% Rec	1			12/20/22 1907	KJB
Surrogate: Toluene-d8	99.0	Limit: 88-110	% Rec	1			12/20/22 1907	KJB

Definitions

D3:	Dilution was performed due to high target analyte concentration.
H1:	Sample was received past holding time.
Q8:	CCV recovery is below acceptance limits. The reported value is estimated.
RL:	Reporting Limit
ug/L:	Micrograms per Liter
Y:	This analyte is not on the laboratory's current scope of accreditation.

Project Requested Certification(s)

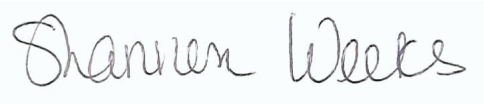
Microbac Laboratories Inc., - Marietta, OH	
10861	NY State Department of Health
Microbac Laboratories, Inc., Pittston Division	
12150	New York State Department of Health

Report Comments

Samples were received in proper condition and the reported results conform to applicable accreditation standard unless otherwise noted.

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. ***The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.***

Reviewed and Approved By:



Shannon Weeks

Customer Relationship Coordinator

Reported: 12/28/2022 17:50

MICROBAC®

Chain of Custody

Microbac Laboratories, Inc., Sayre Division

Lab Contact: Kylie Ryan

S2L0046

TAT 7 days

Winatic Corporation

John Sellers
PO BOX 18802
Clearwater, FL 33762
Phone: (727) 536-7861
john.sellers@electrotechnik.com

Project Name: 409 Commerce Rd, Vestal, NY 13850

Project/PO Number: N/A
Tentatively Scheduled: 12/7/2022
Route: NY-Route 1 Bing

Client Sample ID: System Effluent
Lab Sample ID: S2L0046-01
Matrix: Ground Water
Type: Grab

Sampled Date & Time: 12/13/22 11:20

Ground Water Well		Sampling Equipment		Conditions	Start	Stop
Tag Number:		Pump Type:		Weather:		
Grout: (Poor / Good) Note:		Number:		Odor:		
Casing: (Poor / Good) Note:		Settings:		Color:		
Lock: (Poor / Good) Note:		Rate ml/min:		Sheen:		
Obstructions		Tubing:		Foam:		
Comments:				Other:		

Analysis	Method	Field Results/Comments	Hold Time
8260C VOC	EPA 8260C		14 days

Container(s)	Designator
40ml-Vial-HCL	A
40ml-Vial-HCL	B

Client Sample ID: System Influent
Lab Sample ID: S2L0046-02
Matrix: Ground Water
Type: Grab

Sampled Date & Time: 12/13/22 11:30

Ground Water Well		Sampling Equipment		Conditions	Start	Stop
Tag Number:		Pump Type:		Weather:		
Grout: (Poor / Good) Note:		Number:		Odor:		
Casing: (Poor / Good) Note:		Settings:		Color:		
Lock: (Poor / Good) Note:		Rate ml/min:		Sheen:		
Obstructions		Tubing:		Foam:		
Comments:				Other:		

Analysis	Method	Field Results/Comments	Hold Time
8260C VOC	EPA 8260C		14 days

MICROBAC®

Chain of Custody

Microbac Laboratories, Inc., Sayre Division

Lab Contact: Kylie Ryan

S2L0046

Winatic Corporation

John Sellers
PO BOX 18802
Clearwater, FL 33762
Phone: (727) 536-7861
john.sellers@electrotechnik.com

Project Name: 409 Commerce Rd, Vestal, NY 13850

Project/PO Number: N/A
Tenatively Scheduled: 12/7/2022
Route: NY-Route 1 Bing

Container(s)	Designator
40ml-Vial-HCL	A
40ml-Vial-HCL	B

Client Sample ID: **System Mid**
Lab Sample ID: **S2L0046-03**
Matrix: **Ground Water**
Type: **Grab**

Sampled Date & Time: 12/13/22 11:25

Ground Water Well		Sampling Equipment		Conditions	Start	Stop
Tag Number:		Pump Number:		Weather:		
Grout: (Poor / Good) Note:		Type:		Odor:		
Casing: (Poor / Good) Note:		Settings:		Color:		
Lock: (Poor / Good) Note:		Rate ml/min:		Sheen:		
Obstructions		Tubing:		Foam:		
Comments:				Other:		

Analysis	Method	Field Results/Comments	Hold Time
8260C VOC	EPA 8260C		14 days

Container(s)	Designator
40ml-Vial-HCL	A
40ml-Vial-HCL	B

Client Sample ID: **Trip Blank** 110822 1400 RML
Lab Sample ID: **S2L0046-04**
Matrix: **Ground Water**
Type: **Trip Blank**

Sampled Date & Time:

Ground Water Well		Sampling Equipment		Conditions	Start	Stop
Tag Number:		Pump Number:		Weather:		
Grout: (Poor / Good) Note:		Type:		Odor:		
Casing: (Poor / Good) Note:		Settings:		Color:		
Lock: (Poor / Good) Note:		Rate ml/min:		Sheen:		
Obstructions		Tubing:		Foam:		
Comments:				Other:		

Analysis	Method	Field Results/Comments	Hold Time

MICROBAC®

Chain of Custody

Microbac Laboratories, Inc., Sayre Division

Lab Contact: Kylie Ryan

S2L0046

Winatic Corporation

John Sellers
PO BOX 18802
Clearwater, FL 33762
Phone: (727) 536-7861
john.sellers@electrotechnik.com

Project Name: 409 Commerce Rd, Vestal, NY 13850

Project/PO Number: N/A
Tenatively Scheduled: 12/7/2022
Route: NY-Route 1 Bing

8260C VOC

EPA 8260C

14 days

Container(s)
40ml-Vial-HCL 1345

Designator
A

Sampled/Relinquished by:	Date/Time: 12/13/22 12:10	Received by: JPS
Printed Name: Ernest Spencer		Printed Name: JPALANZA
Relinquished by: JPS	Date/Time: 12/13/2022 1800	Received by:
Printed Name: JPALANZA		Printed Name:
Relinquished by:	Date/Time:	Received by: 12.14.22
Printed Name:		Printed Name: Kevin Cook 6:53

As Received at Laboratory: On Ice: (Yes) / No Temp: 4.7 °C Thermometer ID: 10 Custody Seal: Yes / No / NA

Total Containers: 7.00

Microbac Laboratories may be unable to perform a portion of the requested testing in which case we will subcontract the analysis to an appropriately accredited laboratory. By signing this document you are acknowledging that you have been informed by Microbac that testing could be subcontracted and agree with this arrangement.

Notes:

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

February 06, 2023

GeoLogic NY, P.C.
Geologic NY
37 Copeland Avenue
Homer, NY 13077

RE: Project: Winatic 218010
Pace Project No.: 30554662

Dear GeoLogic NY, P.C.:

Enclosed are the analytical results for sample(s) received by the laboratory on January 17, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

(Greensburg, PA) - Revision 1 - This report replaces the 1/23/23 report. This project was revised on 2/6/23 in order to include more analytes on the 8260 list.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Skyler C. Richmond
skyler.richmond@pacelabs.com
(724)850-5600
Project Manager

Enclosures

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: Winatic 218010
Pace Project No.: 30554662

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: Winatic 218010
Pace Project No.: 30554662

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30554662001	**System Influent**	Water	01/12/23 12:35	01/17/23 09:30
30554662002	**System Middle**	Water	01/12/23 12:30	01/17/23 09:30
30554662003	**System Effluent**	Water	01/12/23 12:25	01/17/23 09:30
30554662004	**Trip Blank**	Water	01/12/23 00:00	01/17/23 09:30

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SAMPLE ANALYTE COUNT

Project: Winatic 218010
Pace Project No.: 30554662

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30554662001	**System Influent**	EPA 8260C	JAS	77	PASI-PA
30554662002	**System Middle**	EPA 8260C	JAS	77	PASI-PA
30554662003	**System Effluent**	EPA 8260C	JAS	77	PASI-PA
30554662004	**Trip Blank**	EPA 8260C	JAS	77	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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PROJECT NARRATIVE

Project: Winatic 218010
Pace Project No.: 30554662

Method: **EPA 8260C**
Description: 8260C MSV
Client: GeoLogic NY, P.C.
Date: February 06, 2023

General Information:
4 samples were analyzed for EPA 8260C by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

QC Batch: 561252

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- BLANK (Lab ID: 2726098)
  - 1,1,1-Trichloroethane
  - Carbon tetrachloride
  - Dibromomethane
  - Tetrachloroethene
  - Trichloroethene
  - Trichlorofluoromethane
- LCS (Lab ID: 2726099)
  - 1,1,1-Trichloroethane
  - Carbon tetrachloride
  - Dibromomethane
  - Tetrachloroethene
  - Trichloroethene
  - Trichlorofluoromethane
- MS (Lab ID: 2726455)
  - 1,1,1-Trichloroethane
  - Carbon tetrachloride
  - Dibromomethane
  - Tetrachloroethene
  - Trichloroethene
  - Trichlorofluoromethane
- MSD (Lab ID: 2726456)
  - 1,1,1-Trichloroethane
  - Carbon tetrachloride
  - Dibromomethane
  - Tetrachloroethene
  - Trichloroethene
  - Trichlorofluoromethane
- System Effluent (Lab ID: 30554662003)
  - 1,1,1-Trichloroethane

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PROJECT NARRATIVE

Project: Winatic 218010
Pace Project No.: 30554662

Method: **EPA 8260C**
Description: 8260C MSV
Client: GeoLogic NY, P.C.
Date: February 06, 2023

QC Batch: 561252

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- Carbon tetrachloride
- Dibromomethane
- Tetrachloroethene
- Trichloroethene
- Trichlorofluoromethane

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 2726098)
  - Bromobenzene
  - Chloromethane
- LCS (Lab ID: 2726099)
  - Bromobenzene
  - Chloromethane
- MS (Lab ID: 2726455)
  - Bromobenzene
  - Chloromethane
- MSD (Lab ID: 2726456)
  - Bromobenzene
  - Chloromethane
- System Effluent (Lab ID: 30554662003)
  - Bromobenzene
  - Chloromethane

QC Batch: 562257

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- BLANK (Lab ID: 2730588)
  - Acetone
  - Dibromomethane
- LCS (Lab ID: 2730589)
  - Acetone
  - Dibromomethane
- System Influent (Lab ID: 30554662001)
  - Acetone
  - Dibromomethane
- System Middle (Lab ID: 30554662002)
  - Acetone
  - Dibromomethane
- Trip Blank (Lab ID: 30554662004)
  - Acetone
  - Dibromomethane

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 2730588)
  - 2,2-Dichloropropane
  - Acrolein
  - Chloromethane

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PROJECT NARRATIVE

Project: Winatic 218010
Pace Project No.: 30554662

Method: **EPA 8260C**
Description: 8260C MSV
Client: GeoLogic NY, P.C.
Date: February 06, 2023

QC Batch: 562257

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- Methyl acetate
- Vinyl acetate
- n-Butylbenzene
- trans-1,4-Dichloro-2-butene

- LCS (Lab ID: 2730589)
  - 2,2-Dichloropropane
  - Acrolein
  - Chloromethane
  - Methyl acetate
  - Vinyl acetate
  - n-Butylbenzene
  - trans-1,4-Dichloro-2-butene
- System Influent (Lab ID: 30554662001)
  - 2,2-Dichloropropane
  - Acrolein
  - Chloromethane
  - Methyl acetate
  - Vinyl acetate
  - trans-1,4-Dichloro-2-butene
- System Middle (Lab ID: 30554662002)
  - 2,2-Dichloropropane
  - Acrolein
  - Chloromethane
  - Methyl acetate
  - Vinyl acetate
  - trans-1,4-Dichloro-2-butene
- Trip Blank (Lab ID: 30554662004)
  - 2,2-Dichloropropane
  - Acrolein
  - Chloromethane
  - Methyl acetate
  - Vinyl acetate
  - trans-1,4-Dichloro-2-butene

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 561252

SR: Surrogate recovery was below laboratory control limits. Results may be biased low.

- MSD (Lab ID: 2726456)
  - Toluene-d8 (S)

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PROJECT NARRATIVE

Project: Winatic 218010
Pace Project No.: 30554662

Method: **EPA 8260C**
Description: 8260C MSV
Client: GeoLogic NY, P.C.
Date: February 06, 2023

QC Batch: 561252

ST: Surrogate recovery was above laboratory control limits. Results may be biased high.
- BLANK (Lab ID: 2726098)
  - Dibromofluoromethane (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 561252

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
- LCS (Lab ID: 2726099)
  - Trichlorofluoromethane

QC Batch: 562257

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
- LCS (Lab ID: 2730589)
  - Vinyl acetate
  - n-Butylbenzene
  - trans-1,2-Dichloroethene

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 561252

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30554662003

MH: Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
- MS (Lab ID: 2726455)
  - Trichlorofluoromethane
- MSD (Lab ID: 2726456)
  - Trichlorofluoromethane

ML: Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
- MSD (Lab ID: 2726456)
  - Toluene

R1: RPD value was outside control limits.
- MSD (Lab ID: 2726456)
  - Tetrachloroethene
  - Toluene

QC Batch: 562257

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

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PROJECT NARRATIVE

Project: Winatic 218010
Pace Project No.: 30554662

Method: **EPA 8260C**
Description: 8260C MSV
Client: GeoLogic NY, P.C.
Date: February 06, 2023

Additional Comments:

Analyte Comments:

QC Batch: 561252

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- BLANK (Lab ID: 2726098)
  - 1,3,5-Trichlorobenzene
- LCS (Lab ID: 2726099)
  - 1,3,5-Trichlorobenzene
- MS (Lab ID: 2726455)
  - 1,3,5-Trichlorobenzene
- MSD (Lab ID: 2726456)
  - 1,3,5-Trichlorobenzene
- System Effluent (Lab ID: 30554662003)
  - 1,3,5-Trichlorobenzene

QC Batch: 562257

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- BLANK (Lab ID: 2730588)
  - 1,3,5-Trichlorobenzene
- LCS (Lab ID: 2730589)
  - 1,3,5-Trichlorobenzene
- System Influent (Lab ID: 30554662001)
  - 1,3,5-Trichlorobenzene
- System Middle (Lab ID: 30554662002)
  - 1,3,5-Trichlorobenzene
- Trip Blank (Lab ID: 30554662004)
  - 1,3,5-Trichlorobenzene

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Winatic 218010
Pace Project No.: 30554662

Sample: System Influent **Lab ID: 30554662001** Collected: 01/12/23 12:35 Received: 01/17/23 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Acetone	ND	ug/L	10.0	1		01/24/23 16:32	67-64-1	CH,M5
Acrolein	ND	ug/L	4.0	1		01/24/23 16:32	107-02-8	CL,M5
Acrylonitrile	ND	ug/L	4.0	1		01/24/23 16:32	107-13-1	M5
Benzene	ND	ug/L	1.0	1		01/24/23 16:32	71-43-2	M5
Bromobenzene	ND	ug/L	1.0	1		01/24/23 16:32	108-86-1	M5
Bromochloromethane	ND	ug/L	1.0	1		01/24/23 16:32	74-97-5	M5
Bromodichloromethane	ND	ug/L	1.0	1		01/24/23 16:32	75-27-4	M5
Bromoform	ND	ug/L	4.0	1		01/24/23 16:32	75-25-2	M5
2-Butanone (MEK)	ND	ug/L	10.0	1		01/24/23 16:32	78-93-3	M5
n-Butylbenzene	ND	ug/L	1.0	1		01/24/23 16:32	104-51-8	L2,M5
sec-Butylbenzene	ND	ug/L	1.0	1		01/24/23 16:32	135-98-8	M5
tert-Butylbenzene	ND	ug/L	1.0	1		01/24/23 16:32	98-06-6	M5
Carbon disulfide	ND	ug/L	1.0	1		01/24/23 16:32	75-15-0	M5
Carbon tetrachloride	ND	ug/L	1.0	1		01/24/23 16:32	56-23-5	M5
Chlorobenzene	ND	ug/L	1.0	1		01/24/23 16:32	108-90-7	M5
Chloroethane	ND	ug/L	1.0	1		01/24/23 16:32	75-00-3	M5
2-Chloroethylvinyl ether	ND	ug/L	2.0	1		01/24/23 16:32	110-75-8	M5,c2
Chloroform	ND	ug/L	1.0	1		01/24/23 16:32	67-66-3	M5
Chloromethane	ND	ug/L	1.0	1		01/24/23 16:32	74-87-3	CL,M5
2-Chlorotoluene	ND	ug/L	1.0	1		01/24/23 16:32	95-49-8	M5
4-Chlorotoluene	ND	ug/L	1.0	1		01/24/23 16:32	106-43-4	M5
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		01/24/23 16:32	96-12-8	M5
Dibromochloromethane	ND	ug/L	1.0	1		01/24/23 16:32	124-48-1	M5
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/24/23 16:32	106-93-4	M5
Dibromomethane	ND	ug/L	1.0	1		01/24/23 16:32	74-95-3	CH,M5
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/24/23 16:32	95-50-1	M5
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/24/23 16:32	541-73-1	M5
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/24/23 16:32	106-46-7	M5
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		01/24/23 16:32	110-57-6	CL,M5
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/24/23 16:32	75-71-8	M5
1,1-Dichloroethane	ND	ug/L	1.0	1		01/24/23 16:32	75-34-3	M5
1,2-Dichloroethane	ND	ug/L	1.0	1		01/24/23 16:32	107-06-2	M5
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		01/24/23 16:32	540-59-0	M5
1,1-Dichloroethene	ND	ug/L	1.0	1		01/24/23 16:32	75-35-4	M5
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/24/23 16:32	156-59-2	M5
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/24/23 16:32	156-60-5	L2,M5
1,2-Dichloropropane	ND	ug/L	1.0	1		01/24/23 16:32	78-87-5	M5
1,3-Dichloropropane	ND	ug/L	1.0	1		01/24/23 16:32	142-28-9	M5
2,2-Dichloropropane	ND	ug/L	1.0	1		01/24/23 16:32	594-20-7	CL,M5
1,1-Dichloropropene	ND	ug/L	1.0	1		01/24/23 16:32	563-58-6	M5
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/24/23 16:32	10061-01-5	M5
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/24/23 16:32	10061-02-6	M5
Ethylbenzene	ND	ug/L	1.0	1		01/24/23 16:32	100-41-4	M5
2-Hexanone	ND	ug/L	10.0	1		01/24/23 16:32	591-78-6	M5
Iodomethane	ND	ug/L	50.0	1		01/24/23 16:32	74-88-4	M5
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/24/23 16:32	98-82-8	M5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Winatic 218010
Pace Project No.: 30554662

Sample: System Influent **Lab ID: 30554662001** Collected: 01/12/23 12:35 Received: 01/17/23 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
p-Isopropyltoluene	ND	ug/L	1.0	1		01/24/23 16:32	99-87-6	M5
Methyl acetate	ND	ug/L	5.0	1		01/24/23 16:32	79-20-9	CL,M5
Methylcyclohexane	ND	ug/L	10.0	1		01/24/23 16:32	108-87-2	M5
Methylene Chloride	ND	ug/L	1.0	1		01/24/23 16:32	75-09-2	M5
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/24/23 16:32	108-10-1	M5
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/24/23 16:32	1634-04-4	M5
Naphthalene	ND	ug/L	4.0	1		01/24/23 16:32	91-20-3	M5
n-Propylbenzene	ND	ug/L	1.0	1		01/24/23 16:32	103-65-1	M5
Styrene	ND	ug/L	1.0	1		01/24/23 16:32	100-42-5	M5
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/24/23 16:32	630-20-6	M5
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/24/23 16:32	79-34-5	M5
Tetrachloroethene	ND	ug/L	1.0	1		01/24/23 16:32	127-18-4	M5
Toluene	ND	ug/L	1.0	1		01/24/23 16:32	108-88-3	M5
1,2,3-Trichlorobenzene	ND	ug/L	4.0	1		01/24/23 16:32	87-61-6	M5
1,2,4-Trichlorobenzene	ND	ug/L	4.0	1		01/24/23 16:32	120-82-1	M5
1,3,5-Trichlorobenzene	ND	ug/L	1.0	1		01/24/23 16:32	108-70-3	M5,N2
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/24/23 16:32	71-55-6	M5
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/24/23 16:32	79-00-5	M5
Trichloroethene	**8.5**	ug/L	1.0	1		01/24/23 16:32	79-01-6	M5
Trichlorofluoromethane	ND	ug/L	1.0	1		01/24/23 16:32	75-69-4	M5
1,2,3-Trichloropropane	ND	ug/L	1.0	1		01/24/23 16:32	96-18-4	M5
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/24/23 16:32	95-63-6	M5
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/24/23 16:32	108-67-8	M5
Vinyl acetate	ND	ug/L	1.0	1		01/24/23 16:32	108-05-4	CL,L2, M5
Vinyl chloride	ND	ug/L	1.0	1		01/24/23 16:32	75-01-4	M5
m&p-Xylene	ND	ug/L	2.0	1		01/24/23 16:32	179601-23-1	M5
o-Xylene	ND	ug/L	1.0	1		01/24/23 16:32	95-47-6	M5
Surrogates								
4-Bromofluorobenzene (S)	101	%.	70-130	1		01/24/23 16:32	460-00-4	M5
1,2-Dichloroethane-d4 (S)	102	%.	70-130	1		01/24/23 16:32	17060-07-0	M5
Toluene-d8 (S)	88	%.	70-130	1		01/24/23 16:32	2037-26-5	M5
Dibromofluoromethane (S)	109	%.	70-130	1		01/24/23 16:32	1868-53-7	M5

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Winatic 218010
Pace Project No.: 30554662

Sample: System Middle **Lab ID: 30554662002** Collected: 01/12/23 12:30 Received: 01/17/23 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Acetone	ND	ug/L	10.0	1		01/24/23 16:57	67-64-1	CH,M5
Acrolein	ND	ug/L	4.0	1		01/24/23 16:57	107-02-8	CL,M5
Acrylonitrile	ND	ug/L	4.0	1		01/24/23 16:57	107-13-1	M5
Benzene	ND	ug/L	1.0	1		01/24/23 16:57	71-43-2	M5
Bromobenzene	ND	ug/L	1.0	1		01/24/23 16:57	108-86-1	M5
Bromochloromethane	ND	ug/L	1.0	1		01/24/23 16:57	74-97-5	M5
Bromodichloromethane	ND	ug/L	1.0	1		01/24/23 16:57	75-27-4	M5
Bromoform	ND	ug/L	4.0	1		01/24/23 16:57	75-25-2	M5
2-Butanone (MEK)	ND	ug/L	10.0	1		01/24/23 16:57	78-93-3	M5
n-Butylbenzene	ND	ug/L	1.0	1		01/24/23 16:57	104-51-8	L2,M5
sec-Butylbenzene	ND	ug/L	1.0	1		01/24/23 16:57	135-98-8	M5
tert-Butylbenzene	ND	ug/L	1.0	1		01/24/23 16:57	98-06-6	M5
Carbon disulfide	ND	ug/L	1.0	1		01/24/23 16:57	75-15-0	M5
Carbon tetrachloride	ND	ug/L	1.0	1		01/24/23 16:57	56-23-5	M5
Chlorobenzene	ND	ug/L	1.0	1		01/24/23 16:57	108-90-7	M5
Chloroethane	ND	ug/L	1.0	1		01/24/23 16:57	75-00-3	M5
2-Chloroethylvinyl ether	ND	ug/L	2.0	1		01/24/23 16:57	110-75-8	M5,c2
Chloroform	ND	ug/L	1.0	1		01/24/23 16:57	67-66-3	M5
Chloromethane	ND	ug/L	1.0	1		01/24/23 16:57	74-87-3	CL,M5
2-Chlorotoluene	ND	ug/L	1.0	1		01/24/23 16:57	95-49-8	M5
4-Chlorotoluene	ND	ug/L	1.0	1		01/24/23 16:57	106-43-4	M5
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		01/24/23 16:57	96-12-8	M5
Dibromochloromethane	ND	ug/L	1.0	1		01/24/23 16:57	124-48-1	M5
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/24/23 16:57	106-93-4	M5
Dibromomethane	ND	ug/L	1.0	1		01/24/23 16:57	74-95-3	CH,M5
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/24/23 16:57	95-50-1	M5
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/24/23 16:57	541-73-1	M5
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/24/23 16:57	106-46-7	M5
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		01/24/23 16:57	110-57-6	CL,M5
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/24/23 16:57	75-71-8	M5
1,1-Dichloroethane	ND	ug/L	1.0	1		01/24/23 16:57	75-34-3	M5
1,2-Dichloroethane	ND	ug/L	1.0	1		01/24/23 16:57	107-06-2	M5
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		01/24/23 16:57	540-59-0	M5
1,1-Dichloroethene	ND	ug/L	1.0	1		01/24/23 16:57	75-35-4	M5
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/24/23 16:57	156-59-2	M5
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/24/23 16:57	156-60-5	L2,M5
1,2-Dichloropropane	ND	ug/L	1.0	1		01/24/23 16:57	78-87-5	M5
1,3-Dichloropropane	ND	ug/L	1.0	1		01/24/23 16:57	142-28-9	M5
2,2-Dichloropropane	ND	ug/L	1.0	1		01/24/23 16:57	594-20-7	CL,M5
1,1-Dichloropropene	ND	ug/L	1.0	1		01/24/23 16:57	563-58-6	M5
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/24/23 16:57	10061-01-5	M5
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/24/23 16:57	10061-02-6	M5
Ethylbenzene	ND	ug/L	1.0	1		01/24/23 16:57	100-41-4	M5
2-Hexanone	ND	ug/L	10.0	1		01/24/23 16:57	591-78-6	M5
Iodomethane	ND	ug/L	50.0	1		01/24/23 16:57	74-88-4	M5
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/24/23 16:57	98-82-8	M5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Winatic 218010
Pace Project No.: 30554662

Sample: System Middle **Lab ID: 30554662002** Collected: 01/12/23 12:30 Received: 01/17/23 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
p-Isopropyltoluene	ND	ug/L	1.0	1		01/24/23 16:57	99-87-6	M5
Methyl acetate	ND	ug/L	5.0	1		01/24/23 16:57	79-20-9	CL,M5
Methylcyclohexane	ND	ug/L	10.0	1		01/24/23 16:57	108-87-2	M5
Methylene Chloride	ND	ug/L	1.0	1		01/24/23 16:57	75-09-2	M5
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/24/23 16:57	108-10-1	M5
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/24/23 16:57	1634-04-4	M5
Naphthalene	ND	ug/L	4.0	1		01/24/23 16:57	91-20-3	M5
n-Propylbenzene	ND	ug/L	1.0	1		01/24/23 16:57	103-65-1	M5
Styrene	ND	ug/L	1.0	1		01/24/23 16:57	100-42-5	M5
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/24/23 16:57	630-20-6	M5
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/24/23 16:57	79-34-5	M5
Tetrachloroethene	ND	ug/L	1.0	1		01/24/23 16:57	127-18-4	M5
Toluene	ND	ug/L	1.0	1		01/24/23 16:57	108-88-3	M5
1,2,3-Trichlorobenzene	ND	ug/L	4.0	1		01/24/23 16:57	87-61-6	M5
1,2,4-Trichlorobenzene	ND	ug/L	4.0	1		01/24/23 16:57	120-82-1	M5
1,3,5-Trichlorobenzene	ND	ug/L	1.0	1		01/24/23 16:57	108-70-3	M5,N2
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/24/23 16:57	71-55-6	M5
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/24/23 16:57	79-00-5	M5
Trichloroethene	ND	ug/L	1.0	1		01/24/23 16:57	79-01-6	M5
Trichlorofluoromethane	ND	ug/L	1.0	1		01/24/23 16:57	75-69-4	M5
1,2,3-Trichloropropane	ND	ug/L	1.0	1		01/24/23 16:57	96-18-4	M5
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/24/23 16:57	95-63-6	M5
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/24/23 16:57	108-67-8	M5
Vinyl acetate	ND	ug/L	1.0	1		01/24/23 16:57	108-05-4	CL,L2, M5
Vinyl chloride	ND	ug/L	1.0	1		01/24/23 16:57	75-01-4	M5
m&p-Xylene	ND	ug/L	2.0	1		01/24/23 16:57	179601-23-1	M5
o-Xylene	ND	ug/L	1.0	1		01/24/23 16:57	95-47-6	M5
Surrogates								
4-Bromofluorobenzene (S)	102	%.	70-130	1		01/24/23 16:57	460-00-4	M5
1,2-Dichloroethane-d4 (S)	100	%.	70-130	1		01/24/23 16:57	17060-07-0	M5
Toluene-d8 (S)	90	%.	70-130	1		01/24/23 16:57	2037-26-5	M5
Dibromofluoromethane (S)	110	%.	70-130	1		01/24/23 16:57	1868-53-7	M5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Winatic 218010
Pace Project No.: 30554662

Sample: System Effluent **Lab ID: 30554662003** Collected: 01/12/23 12:25 Received: 01/17/23 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Acetone	ND	ug/L	10.0	1		01/19/23 20:36	67-64-1	
Acrolein	ND	ug/L	4.0	1		01/19/23 20:36	107-02-8	
Acrylonitrile	ND	ug/L	4.0	1		01/19/23 20:36	107-13-1	
Benzene	ND	ug/L	1.0	1		01/19/23 20:36	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/19/23 20:36	108-86-1	CL
Bromochloromethane	ND	ug/L	1.0	1		01/19/23 20:36	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/19/23 20:36	75-27-4	
Bromoform	ND	ug/L	4.0	1		01/19/23 20:36	75-25-2	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/19/23 20:36	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		01/19/23 20:36	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		01/19/23 20:36	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/19/23 20:36	98-06-6	
Carbon disulfide	ND	ug/L	1.0	1		01/19/23 20:36	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		01/19/23 20:36	56-23-5	CH
Chlorobenzene	ND	ug/L	1.0	1		01/19/23 20:36	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/19/23 20:36	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	2.0	1		01/19/23 20:36	110-75-8	c2
Chloroform	ND	ug/L	1.0	1		01/19/23 20:36	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/19/23 20:36	74-87-3	CL
2-Chlorotoluene	ND	ug/L	1.0	1		01/19/23 20:36	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/19/23 20:36	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		01/19/23 20:36	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		01/19/23 20:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/19/23 20:36	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		01/19/23 20:36	74-95-3	CH
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/19/23 20:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/19/23 20:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/19/23 20:36	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		01/19/23 20:36	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/19/23 20:36	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/19/23 20:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/19/23 20:36	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		01/19/23 20:36	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/19/23 20:36	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/19/23 20:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/19/23 20:36	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/19/23 20:36	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/19/23 20:36	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/19/23 20:36	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/19/23 20:36	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/19/23 20:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/19/23 20:36	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		01/19/23 20:36	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		01/19/23 20:36	591-78-6	
Iodomethane	ND	ug/L	50.0	1		01/19/23 20:36	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/19/23 20:36	98-82-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Winatic 218010
Pace Project No.: 30554662

Sample: System Effluent **Lab ID: 30554662003** Collected: 01/12/23 12:25 Received: 01/17/23 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
p-Isopropyltoluene	ND	ug/L	1.0	1		01/19/23 20:36	99-87-6	
Methyl acetate	ND	ug/L	5.0	1		01/19/23 20:36	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		01/19/23 20:36	108-87-2	
Methylene Chloride	ND	ug/L	1.0	1		01/19/23 20:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/19/23 20:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/19/23 20:36	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		01/19/23 20:36	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		01/19/23 20:36	103-65-1	
Styrene	ND	ug/L	1.0	1		01/19/23 20:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/19/23 20:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/19/23 20:36	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/19/23 20:36	127-18-4	CH,R1
Toluene	ND	ug/L	1.0	1		01/19/23 20:36	108-88-3	ML,R1
1,2,3-Trichlorobenzene	ND	ug/L	4.0	1		01/19/23 20:36	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	4.0	1		01/19/23 20:36	120-82-1	
1,3,5-Trichlorobenzene	ND	ug/L	1.0	1		01/19/23 20:36	108-70-3	N2
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/19/23 20:36	71-55-6	CH
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/19/23 20:36	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		01/19/23 20:36	79-01-6	CH
Trichlorofluoromethane	ND	ug/L	1.0	1		01/19/23 20:36	75-69-4	CH,L1, MH
1,2,3-Trichloropropane	ND	ug/L	1.0	1		01/19/23 20:36	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/19/23 20:36	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/19/23 20:36	108-67-8	
Vinyl acetate	ND	ug/L	1.0	1		01/19/23 20:36	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		01/19/23 20:36	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		01/19/23 20:36	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		01/19/23 20:36	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	105	%.	70-130	1		01/19/23 20:36	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%.	70-130	1		01/19/23 20:36	17060-07-0	
Toluene-d8 (S)	88	%.	70-130	1		01/19/23 20:36	2037-26-5	
Dibromofluoromethane (S)	119	%.	70-130	1		01/19/23 20:36	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Winatic 218010
Pace Project No.: 30554662

Sample: Trip Blank **Lab ID: 30554662004** Collected: 01/12/23 00:00 Received: 01/17/23 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Acetone	ND	ug/L	10.0	1		01/24/23 16:07	67-64-1	CH,M5
Acrolein	ND	ug/L	4.0	1		01/24/23 16:07	107-02-8	CL,M5
Acrylonitrile	ND	ug/L	4.0	1		01/24/23 16:07	107-13-1	M5
Benzene	ND	ug/L	1.0	1		01/24/23 16:07	71-43-2	M5
Bromobenzene	ND	ug/L	1.0	1		01/24/23 16:07	108-86-1	M5
Bromochloromethane	ND	ug/L	1.0	1		01/24/23 16:07	74-97-5	M5
Bromodichloromethane	ND	ug/L	1.0	1		01/24/23 16:07	75-27-4	M5
Bromoform	ND	ug/L	4.0	1		01/24/23 16:07	75-25-2	M5
2-Butanone (MEK)	ND	ug/L	10.0	1		01/24/23 16:07	78-93-3	M5
n-Butylbenzene	ND	ug/L	1.0	1		01/24/23 16:07	104-51-8	L2,M5
sec-Butylbenzene	ND	ug/L	1.0	1		01/24/23 16:07	135-98-8	M5
tert-Butylbenzene	ND	ug/L	1.0	1		01/24/23 16:07	98-06-6	M5
Carbon disulfide	ND	ug/L	1.0	1		01/24/23 16:07	75-15-0	M5
Carbon tetrachloride	ND	ug/L	1.0	1		01/24/23 16:07	56-23-5	M5
Chlorobenzene	ND	ug/L	1.0	1		01/24/23 16:07	108-90-7	M5
Chloroethane	ND	ug/L	1.0	1		01/24/23 16:07	75-00-3	M5
2-Chloroethylvinyl ether	ND	ug/L	2.0	1		01/24/23 16:07	110-75-8	M5,c2
Chloroform	ND	ug/L	1.0	1		01/24/23 16:07	67-66-3	M5
Chloromethane	ND	ug/L	1.0	1		01/24/23 16:07	74-87-3	CL,M5
2-Chlorotoluene	ND	ug/L	1.0	1		01/24/23 16:07	95-49-8	M5
4-Chlorotoluene	ND	ug/L	1.0	1		01/24/23 16:07	106-43-4	M5
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		01/24/23 16:07	96-12-8	M5
Dibromochloromethane	ND	ug/L	1.0	1		01/24/23 16:07	124-48-1	M5
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/24/23 16:07	106-93-4	M5
Dibromomethane	ND	ug/L	1.0	1		01/24/23 16:07	74-95-3	CH,M5
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/24/23 16:07	95-50-1	M5
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/24/23 16:07	541-73-1	M5
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/24/23 16:07	106-46-7	M5
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		01/24/23 16:07	110-57-6	CL,M5
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/24/23 16:07	75-71-8	M5
1,1-Dichloroethane	ND	ug/L	1.0	1		01/24/23 16:07	75-34-3	M5
1,2-Dichloroethane	ND	ug/L	1.0	1		01/24/23 16:07	107-06-2	M5
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		01/24/23 16:07	540-59-0	M5
1,1-Dichloroethene	ND	ug/L	1.0	1		01/24/23 16:07	75-35-4	M5
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/24/23 16:07	156-59-2	M5
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/24/23 16:07	156-60-5	L2,M5
1,2-Dichloropropane	ND	ug/L	1.0	1		01/24/23 16:07	78-87-5	M5
1,3-Dichloropropane	ND	ug/L	1.0	1		01/24/23 16:07	142-28-9	M5
2,2-Dichloropropane	ND	ug/L	1.0	1		01/24/23 16:07	594-20-7	CL,M5
1,1-Dichloropropene	ND	ug/L	1.0	1		01/24/23 16:07	563-58-6	M5
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/24/23 16:07	10061-01-5	M5
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/24/23 16:07	10061-02-6	M5
Ethylbenzene	ND	ug/L	1.0	1		01/24/23 16:07	100-41-4	M5
2-Hexanone	ND	ug/L	10.0	1		01/24/23 16:07	591-78-6	M5
Iodomethane	ND	ug/L	50.0	1		01/24/23 16:07	74-88-4	M5
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/24/23 16:07	98-82-8	M5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Winatic 218010
Pace Project No.: 30554662

Sample: Trip Blank **Lab ID: 30554662004** Collected: 01/12/23 00:00 Received: 01/17/23 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
p-Isopropyltoluene	ND	ug/L	1.0	1		01/24/23 16:07	99-87-6	M5
Methyl acetate	ND	ug/L	5.0	1		01/24/23 16:07	79-20-9	CL,M5
Methylcyclohexane	ND	ug/L	10.0	1		01/24/23 16:07	108-87-2	M5
Methylene Chloride	ND	ug/L	1.0	1		01/24/23 16:07	75-09-2	M5
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/24/23 16:07	108-10-1	M5
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/24/23 16:07	1634-04-4	M5
Naphthalene	ND	ug/L	4.0	1		01/24/23 16:07	91-20-3	M5
n-Propylbenzene	ND	ug/L	1.0	1		01/24/23 16:07	103-65-1	M5
Styrene	ND	ug/L	1.0	1		01/24/23 16:07	100-42-5	M5
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/24/23 16:07	630-20-6	M5
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/24/23 16:07	79-34-5	M5
Tetrachloroethene	ND	ug/L	1.0	1		01/24/23 16:07	127-18-4	M5
Toluene	ND	ug/L	1.0	1		01/24/23 16:07	108-88-3	M5
1,2,3-Trichlorobenzene	ND	ug/L	4.0	1		01/24/23 16:07	87-61-6	M5
1,2,4-Trichlorobenzene	ND	ug/L	4.0	1		01/24/23 16:07	120-82-1	M5
1,3,5-Trichlorobenzene	ND	ug/L	1.0	1		01/24/23 16:07	108-70-3	M5,N2
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/24/23 16:07	71-55-6	M5
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/24/23 16:07	79-00-5	M5
Trichloroethene	ND	ug/L	1.0	1		01/24/23 16:07	79-01-6	M5
Trichlorofluoromethane	ND	ug/L	1.0	1		01/24/23 16:07	75-69-4	M5
1,2,3-Trichloropropane	ND	ug/L	1.0	1		01/24/23 16:07	96-18-4	M5
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/24/23 16:07	95-63-6	M5
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/24/23 16:07	108-67-8	M5
Vinyl acetate	ND	ug/L	1.0	1		01/24/23 16:07	108-05-4	CL,L2, M5
Vinyl chloride	ND	ug/L	1.0	1		01/24/23 16:07	75-01-4	M5
m&p-Xylene	ND	ug/L	2.0	1		01/24/23 16:07	179601-23-1	M5
o-Xylene	ND	ug/L	1.0	1		01/24/23 16:07	95-47-6	M5
Surrogates								
4-Bromofluorobenzene (S)	100	%.	70-130	1		01/24/23 16:07	460-00-4	M5
1,2-Dichloroethane-d4 (S)	101	%.	70-130	1		01/24/23 16:07	17060-07-0	M5
Toluene-d8 (S)	89	%.	70-130	1		01/24/23 16:07	2037-26-5	M5
Dibromofluoromethane (S)	110	%.	70-130	1		01/24/23 16:07	1868-53-7	M5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Winatic 218010
Pace Project No.: 30554662

QC Batch: 561252
QC Batch Method: EPA 8260C
Analysis Method: EPA 8260C
Analysis Description: 8260C MSV
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30554662003

METHOD BLANK: 2726098 Matrix: Water
Associated Lab Samples: 30554662003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	01/19/23 16:45	
1,1,1-Trichloroethane	ug/L	ND	1.0	01/19/23 16:45	CH
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	01/19/23 16:45	
1,1,2-Trichloroethane	ug/L	ND	1.0	01/19/23 16:45	
1,1-Dichloroethane	ug/L	ND	1.0	01/19/23 16:45	
1,1-Dichloroethene	ug/L	ND	1.0	01/19/23 16:45	
1,1-Dichloropropene	ug/L	ND	1.0	01/19/23 16:45	
1,2,3-Trichlorobenzene	ug/L	ND	4.0	01/19/23 16:45	
1,2,3-Trichloropropane	ug/L	ND	1.0	01/19/23 16:45	
1,2,4-Trichlorobenzene	ug/L	ND	4.0	01/19/23 16:45	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	01/19/23 16:45	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	01/19/23 16:45	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/19/23 16:45	
1,2-Dichlorobenzene	ug/L	ND	1.0	01/19/23 16:45	
1,2-Dichloroethane	ug/L	ND	1.0	01/19/23 16:45	
1,2-Dichloroethene (Total)	ug/L	ND	2.0	01/19/23 16:45	
1,2-Dichloropropane	ug/L	ND	1.0	01/19/23 16:45	
1,3,5-Trichlorobenzene	ug/L	ND	1.0	01/19/23 16:45	N2
1,3,5-Trimethylbenzene	ug/L	ND	1.0	01/19/23 16:45	
1,3-Dichlorobenzene	ug/L	ND	1.0	01/19/23 16:45	
1,3-Dichloropropane	ug/L	ND	1.0	01/19/23 16:45	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/19/23 16:45	
2,2-Dichloropropane	ug/L	ND	1.0	01/19/23 16:45	
2-Butanone (MEK)	ug/L	ND	10.0	01/19/23 16:45	
2-Chloroethylvinyl ether	ug/L	ND	2.0	01/19/23 16:45	
2-Chlorotoluene	ug/L	ND	1.0	01/19/23 16:45	
2-Hexanone	ug/L	ND	10.0	01/19/23 16:45	
4-Chlorotoluene	ug/L	ND	1.0	01/19/23 16:45	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	01/19/23 16:45	
Acetone	ug/L	ND	10.0	01/19/23 16:45	
Acrolein	ug/L	ND	4.0	01/19/23 16:45	
Acrylonitrile	ug/L	ND	4.0	01/19/23 16:45	
Benzene	ug/L	ND	1.0	01/19/23 16:45	
Bromobenzene	ug/L	ND	1.0	01/19/23 16:45	CL
Bromochloromethane	ug/L	ND	1.0	01/19/23 16:45	
Bromodichloromethane	ug/L	ND	1.0	01/19/23 16:45	
Bromoform	ug/L	ND	4.0	01/19/23 16:45	
Carbon disulfide	ug/L	ND	1.0	01/19/23 16:45	
Carbon tetrachloride	ug/L	ND	1.0	01/19/23 16:45	CH
Chlorobenzene	ug/L	ND	1.0	01/19/23 16:45	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Winatic 218010
Pace Project No.: 30554662

METHOD BLANK: 2726098 Matrix: Water
Associated Lab Samples: 30554662003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroethane	ug/L	ND	1.0	01/19/23 16:45	
Chloroform	ug/L	ND	1.0	01/19/23 16:45	
Chloromethane	ug/L	ND	1.0	01/19/23 16:45	CL
cis-1,2-Dichloroethene	ug/L	ND	1.0	01/19/23 16:45	
cis-1,3-Dichloropropene	ug/L	ND	1.0	01/19/23 16:45	
Dibromochloromethane	ug/L	ND	1.0	01/19/23 16:45	
Dibromomethane	ug/L	ND	1.0	01/19/23 16:45	CH
Dichlorodifluoromethane	ug/L	ND	1.0	01/19/23 16:45	
Ethylbenzene	ug/L	ND	1.0	01/19/23 16:45	
Iodomethane	ug/L	ND	50.0	01/19/23 16:45	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	01/19/23 16:45	
m&p-Xylene	ug/L	ND	2.0	01/19/23 16:45	
Methyl acetate	ug/L	ND	5.0	01/19/23 16:45	
Methyl-tert-butyl ether	ug/L	ND	1.0	01/19/23 16:45	
Methylcyclohexane	ug/L	ND	10.0	01/19/23 16:45	
Methylene Chloride	ug/L	ND	1.0	01/19/23 16:45	
n-Butylbenzene	ug/L	ND	1.0	01/19/23 16:45	
n-Propylbenzene	ug/L	ND	1.0	01/19/23 16:45	
Naphthalene	ug/L	ND	4.0	01/19/23 16:45	
o-Xylene	ug/L	ND	1.0	01/19/23 16:45	
p-Isopropyltoluene	ug/L	ND	1.0	01/19/23 16:45	
sec-Butylbenzene	ug/L	ND	1.0	01/19/23 16:45	
Styrene	ug/L	ND	1.0	01/19/23 16:45	
tert-Butylbenzene	ug/L	ND	1.0	01/19/23 16:45	
Tetrachloroethene	ug/L	ND	1.0	01/19/23 16:45	CH
Toluene	ug/L	ND	1.0	01/19/23 16:45	
trans-1,2-Dichloroethene	ug/L	ND	1.0	01/19/23 16:45	
trans-1,3-Dichloropropene	ug/L	ND	1.0	01/19/23 16:45	
trans-1,4-Dichloro-2-butene	ug/L	ND	5.0	01/19/23 16:45	
Trichloroethene	ug/L	ND	1.0	01/19/23 16:45	CH
Trichlorofluoromethane	ug/L	ND	1.0	01/19/23 16:45	CH
Vinyl acetate	ug/L	ND	1.0	01/19/23 16:45	
Vinyl chloride	ug/L	ND	1.0	01/19/23 16:45	
1,2-Dichloroethane-d4 (S)	%.	118	70-130	01/19/23 16:45	
4-Bromofluorobenzene (S)	%.	110	70-130	01/19/23 16:45	
Dibromofluoromethane (S)	%.	132	70-130	01/19/23 16:45	ST
Toluene-d8 (S)	%.	84	70-130	01/19/23 16:45	

LABORATORY CONTROL SAMPLE: 2726099

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.9	104	70-130	
1,1,1-Trichloroethane	ug/L	20	24.0	120	70-130	CH
1,1,2,2-Tetrachloroethane	ug/L	20	15.7	78	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Winatic 218010
Pace Project No.: 30554662

LABORATORY CONTROL SAMPLE: 2726099

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2-Trichloroethane	ug/L	20	17.7	89	70-130	
1,1-Dichloroethane	ug/L	20	17.1	85	70-130	
1,1-Dichloroethene	ug/L	20	11.1	56	45-130	
1,1-Dichloropropene	ug/L	20	17.9	89	70-130	
1,2,3-Trichlorobenzene	ug/L	20	22.9	115	56-145	
1,2,3-Trichloropropane	ug/L	20	18.4	92	70-130	
1,2,4-Trichlorobenzene	ug/L	20	21.9	109	61-151	
1,2,4-Trimethylbenzene	ug/L	20	16.6	83	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	20.6	103	64-130	
1,2-Dibromoethane (EDB)	ug/L	20	18.1	90	70-130	
1,2-Dichlorobenzene	ug/L	20	17.6	88	70-130	
1,2-Dichloroethane	ug/L	20	19.8	99	64-130	
1,2-Dichloroethene (Total)	ug/L	40	31.0	77	70-130	
1,2-Dichloropropane	ug/L	20	16.9	84	70-130	
1,3,5-Trichlorobenzene	ug/L	20	20.5	102	64-142	N2
1,3,5-Trimethylbenzene	ug/L	20	16.7	83	70-130	
1,3-Dichlorobenzene	ug/L	20	18.0	90	70-130	
1,3-Dichloropropane	ug/L	20	16.2	81	70-130	
1,4-Dichlorobenzene	ug/L	20	17.2	86	70-130	
2,2-Dichloropropane	ug/L	20	19.2	96	53-149	
2-Butanone (MEK)	ug/L	20	15.2	76	55-143	
2-Chloroethylvinyl ether	ug/L	20	14.9	74	48-137	
2-Chlorotoluene	ug/L	20	17.3	86	70-130	
2-Hexanone	ug/L	20	15.0	75	56-138	
4-Chlorotoluene	ug/L	20	16.7	84	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	16.2	81	62-136	
Acetone	ug/L	20	16.1	81	10-175	
Acrolein	ug/L	20	16.3	81	10-175	
Acrylonitrile	ug/L	20	17.1	86	54-138	
Benzene	ug/L	20	17.6	88	70-130	
Bromobenzene	ug/L	20	14.6	73	70-130	CL
Bromochloromethane	ug/L	20	22.4	112	70-130	
Bromodichloromethane	ug/L	20	20.5	103	70-130	
Bromoform	ug/L	20	21.6	108	58-130	
Carbon disulfide	ug/L	20	16.2	81	46-156	
Carbon tetrachloride	ug/L	20	24.7	124	70-130	CH
Chlorobenzene	ug/L	20	19.9	100	70-130	
Chloroethane	ug/L	20	19.4	97	36-168	
Chloroform	ug/L	20	20.0	100	70-130	
Chloromethane	ug/L	20	18.3	91	43-134	CL
cis-1,2-Dichloroethene	ug/L	20	16.0	80	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.1	91	70-130	
Dibromochloromethane	ug/L	20	20.4	102	70-130	
Dibromomethane	ug/L	20	24.0	120	70-130	CH
Dichlorodifluoromethane	ug/L	20	26.0	130	46-169	
Ethylbenzene	ug/L	20	19.4	97	63-135	
Iodomethane	ug/L	20	19.7J	99	10-147	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Winatic 218010
Pace Project No.: 30554662

LABORATORY CONTROL SAMPLE: 2726099

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Isopropylbenzene (Cumene)	ug/L	20	18.5	92	70-130	
m&p-Xylene	ug/L	40	37.8	94	70-130	
Methyl acetate	ug/L	20	18.1	91	29-154	
Methyl-tert-butyl ether	ug/L	20	16.7	84	63-130	
Methylcyclohexane	ug/L	20	16.5	82	54-148	
Methylene Chloride	ug/L	20	15.3	76	70-130	
n-Butylbenzene	ug/L	20	16.3	81	70-130	
n-Propylbenzene	ug/L	20	15.8	79	70-130	
Naphthalene	ug/L	20	16.9	84	30-166	
o-Xylene	ug/L	20	17.8	89	70-130	
p-Isopropyltoluene	ug/L	20	18.6	93	70-130	
sec-Butylbenzene	ug/L	20	17.8	89	70-130	
Styrene	ug/L	20	18.3	92	70-130	
tert-Butylbenzene	ug/L	20	18.1	90	70-130	
Tetrachloroethene	ug/L	20	23.3	116	70-130	CH
Toluene	ug/L	20	17.1	85	70-130	
trans-1,2-Dichloroethene	ug/L	20	15.0	75	70-130	
trans-1,3-Dichloropropene	ug/L	20	17.1	85	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	12.5	62	42-139	
Trichloroethene	ug/L	20	21.3	107	70-130	CH
Trichlorofluoromethane	ug/L	20	34.2	171	49-149	CH,L1
Vinyl acetate	ug/L	20	16.0	80	50-140	
Vinyl chloride	ug/L	20	20.0	100	56-132	
1,2-Dichloroethane-d4 (S)	%.			112	70-130	
4-Bromofluorobenzene (S)	%.			103	70-130	
Dibromofluoromethane (S)	%.			112	70-130	
Toluene-d8 (S)	%.			89	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2726455 2726456

Parameter	Units	30554662003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	15.1	14.6	76	73	49-130	4	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	15.9	14.7	79	74	34-164	7	30	CH
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	15.3	15.4	77	77	49-142	1	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	16.1	14.0	81	70	46-143	14	30	
1,1-Dichloroethane	ug/L	ND	20	20	12.8	12.3	64	62	10-130	4	30	
1,1-Dichloroethene	ug/L	ND	20	20	10.6	9.5	53	48	30-132	11	30	
1,1-Dichloropropene	ug/L	ND	20	20	13.2	12.0	66	60	43-130	9	30	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	13.2	15.6	66	78	33-130	17	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	16.7	16.0	84	80	45-130	4	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	14.0	14.8	70	74	36-130	5	30	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	12.8	11.3	64	57	45-139	12	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	17.2	16.6	86	83	45-130	3	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Winatic 218010
Pace Project No.: 30554662

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2726455 2726456

Parameter	Units	30554662003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	16.7	16.4	84	82	50-132	2	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	13.8	13.6	69	68	50-130	2	30	
1,2-Dichloroethane	ug/L	ND	20	20	15.5	16.2	77	81	49-135	5	30	
1,2-Dichloroethene (Total)	ug/L	ND	40	40	22.5	22.6	56	56	10-175	0	30	
1,2-Dichloropropane	ug/L	ND	20	20	12.8	13.1	64	65	44-149	2	30	
1,3,5-Trichlorobenzene	ug/L	ND	20	20	15.2	13.5	76	67	44-144	12	30	N2
1,3,5-Trimethylbenzene	ug/L	ND	20	20	12.8	10.9	64	55	45-134	16	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	14.5	13.3	73	67	54-130	9	30	
1,3-Dichloropropane	ug/L	ND	20	20	13.9	14.3	69	72	42-130	3	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	13.8	12.7	69	64	49-130	8	30	
2,2-Dichloropropane	ug/L	ND	20	20	13.6	11.4	68	57	40-130	17	30	
2-Butanone (MEK)	ug/L	ND	20	20	14.2	14.6	71	73	38-156	3	30	
2-Chloroethylvinyl ether	ug/L	ND	20	20	6.9	5.2	35	26	10-130	29	30	
2-Chlorotoluene	ug/L	ND	20	20	14.0	12.9	70	64	41-130	8	30	
2-Hexanone	ug/L	ND	20	20	12.8	13.7	64	68	39-162	7	30	
4-Chlorotoluene	ug/L	ND	20	20	13.6	13.0	68	65	41-130	4	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	18.7	15.3	94	77	41-159	20	30	
Acetone	ug/L	ND	20	20	15.1	16.0	73	78	27-130	6	30	
Acrolein	ug/L	ND	20	20	13.0	16.3	65	81	10-175	22	30	
Acrylonitrile	ug/L	ND	20	20	14.3	15.6	72	78	31-139	9	30	
Benzene	ug/L	ND	20	20	12.7	12.7	64	64	17-162	0	30	
Bromobenzene	ug/L	ND	20	20	12.3	11.5	62	58	22-141	7	30	CL
Bromochloromethane	ug/L	ND	20	20	16.0	17.7	80	89	44-143	10	30	
Bromodichloromethane	ug/L	ND	20	20	15.7	16.7	78	84	50-139	7	30	
Bromoform	ug/L	ND	20	20	17.2	17.1	86	86	36-134	1	30	
Carbon disulfide	ug/L	ND	20	20	17.2	20.3	86	102	59-138	17	30	
Carbon tetrachloride	ug/L	ND	20	20	17.1	15.7	85	78	46-140	9	30	CH
Chlorobenzene	ug/L	ND	20	20	15.1	14.7	76	73	52-133	3	30	
Chloroethane	ug/L	ND	20	20	30.8	29.6	154	148	15-175	4	30	
Chloroform	ug/L	ND	20	20	14.4	14.3	72	71	46-131	1	30	
Chloromethane	ug/L	ND	20	20	21.8	23.2	109	116	28-152	6	30	CL
cis-1,2-Dichloroethene	ug/L	ND	20	20	11.8	12.2	59	61	10-175	3	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	16.6	13.7	83	68	42-137	19	30	
Dibromochloromethane	ug/L	ND	20	20	15.9	14.6	80	73	42-132	9	30	
Dibromomethane	ug/L	ND	20	20	19.1	20.0	96	100	41-130	4	30	CH
Dichlorodifluoromethane	ug/L	ND	20	20	27.2	27.7	136	139	35-170	2	30	
Ethylbenzene	ug/L	ND	20	20	14.1	13.7	70	68	51-132	3	30	
Iodomethane	ug/L	ND	20	20	17.9J	20.3J	89	102	10-153		30	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	14.8	12.3	74	62	54-147	18	30	
m&p-Xylene	ug/L	ND	40	40	28.4	26.5	71	66	51-130	7	30	
Methyl acetate	ug/L	ND	20	20	14.8	15.2	74	76	15-138	3	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	13.1	14.5	66	73	24-144	10	30	
Methylcyclohexane	ug/L	ND	20	20	13.8	16.7	69	84	36-138	19	30	
Methylene Chloride	ug/L	ND	20	20	11.7	12.6	59	63	35-150	7	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Winatic 218010
Pace Project No.: 30554662

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2726455 2726456

Parameter	Units	30554662003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
n-Butylbenzene	ug/L	ND	20	20	12.3	10.3	62	52	30-138	18	30	
n-Propylbenzene	ug/L	ND	20	20	12.6	11.2	63	56	43-140	12	30	
Naphthalene	ug/L	ND	20	20	10.5	12.4	53	62	13-168	17	30	
o-Xylene	ug/L	ND	20	20	13.4	12.6	67	63	51-130	6	30	
p-Isopropyltoluene	ug/L	ND	20	20	13.3	11.3	67	57	37-139	17	30	
sec-Butylbenzene	ug/L	ND	20	20	13.9	11.3	70	56	47-137	21	30	
Styrene	ug/L	ND	20	20	14.1	13.2	71	66	48-138	7	30	
tert-Butylbenzene	ug/L	ND	20	20	13.5	11.6	67	58	46-141	15	30	
Tetrachloroethene	ug/L	ND	20	20	16.8	11.1	84	56	10-175	41	30	CH,R1
Toluene	ug/L	ND	20	20	12.2	8.8	61	44	52-131	33	30	ML,R1
trans-1,2-Dichloroethene	ug/L	ND	20	20	10.7	10.4	54	52	40-135	4	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	13.6	10.2	68	51	45-132	28	30	
trans-1,4-Dichloro-2-butene	ug/L	ND	20	20	9.6	10.6	48	53	17-130	10	30	
Trichloroethene	ug/L	ND	20	20	15.6	14.9	78	75	10-175	5	30	CH
Trichlorofluoromethane	ug/L	ND	20	20	42.9	42.6	215	213	34-163	1	30	CH,MH
Vinyl acetate	ug/L	ND	20	20	13.7	14.5	68	72	36-130	6	30	
Vinyl chloride	ug/L	ND	20	20	26.3	27.7	132	138	10-175	5	30	
1,2-Dichloroethane-d4 (S)	%.						102	104	70-130			
4-Bromofluorobenzene (S)	%.						108	107	70-130			
Dibromofluoromethane (S)	%.						110	117	70-130			
Toluene-d8 (S)	%.						78	66	70-130			SR

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Winatic 218010
Pace Project No.: 30554662

QC Batch: 562257
QC Batch Method: EPA 8260C
Analysis Method: EPA 8260C
Analysis Description: 8260C MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30554662001, 30554662002, 30554662004

METHOD BLANK: 2730588
Matrix: Water
Associated Lab Samples: 30554662001, 30554662002, 30554662004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	01/24/23 14:03	M5
1,1,1-Trichloroethane	ug/L	ND	1.0	01/24/23 14:03	M5
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	01/24/23 14:03	M5
1,1,2-Trichloroethane	ug/L	ND	1.0	01/24/23 14:03	M5
1,1-Dichloroethane	ug/L	ND	1.0	01/24/23 14:03	M5
1,1-Dichloroethene	ug/L	ND	1.0	01/24/23 14:03	M5
1,1-Dichloropropene	ug/L	ND	1.0	01/24/23 14:03	M5
1,2,3-Trichlorobenzene	ug/L	ND	4.0	01/24/23 14:03	M5
1,2,3-Trichloropropane	ug/L	ND	1.0	01/24/23 14:03	M5
1,2,4-Trichlorobenzene	ug/L	ND	4.0	01/24/23 14:03	M5
1,2,4-Trimethylbenzene	ug/L	ND	1.0	01/24/23 14:03	M5
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	01/24/23 14:03	M5
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/24/23 14:03	M5
1,2-Dichlorobenzene	ug/L	ND	1.0	01/24/23 14:03	M5
1,2-Dichloroethane	ug/L	ND	1.0	01/24/23 14:03	M5
1,2-Dichloroethene (Total)	ug/L	ND	2.0	01/24/23 14:03	M5
1,2-Dichloropropane	ug/L	ND	1.0	01/24/23 14:03	M5
1,3,5-Trichlorobenzene	ug/L	ND	1.0	01/24/23 14:03	M5,N2
1,3,5-Trimethylbenzene	ug/L	ND	1.0	01/24/23 14:03	M5
1,3-Dichlorobenzene	ug/L	ND	1.0	01/24/23 14:03	M5
1,3-Dichloropropane	ug/L	ND	1.0	01/24/23 14:03	M5
1,4-Dichlorobenzene	ug/L	ND	1.0	01/24/23 14:03	M5
2,2-Dichloropropane	ug/L	ND	1.0	01/24/23 14:03	CL,M5
2-Butanone (MEK)	ug/L	ND	10.0	01/24/23 14:03	M5
2-Chloroethylvinyl ether	ug/L	ND	2.0	01/24/23 14:03	M5
2-Chlorotoluene	ug/L	ND	1.0	01/24/23 14:03	M5
2-Hexanone	ug/L	ND	10.0	01/24/23 14:03	M5
4-Chlorotoluene	ug/L	ND	1.0	01/24/23 14:03	M5
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	01/24/23 14:03	M5
Acetone	ug/L	ND	10.0	01/24/23 14:03	CH,M5
Acrolein	ug/L	ND	4.0	01/24/23 14:03	CL,M5
Acrylonitrile	ug/L	ND	4.0	01/24/23 14:03	M5
Benzene	ug/L	ND	1.0	01/24/23 14:03	M5
Bromobenzene	ug/L	ND	1.0	01/24/23 14:03	M5
Bromochloromethane	ug/L	ND	1.0	01/24/23 14:03	M5
Bromodichloromethane	ug/L	ND	1.0	01/24/23 14:03	M5
Bromoform	ug/L	ND	4.0	01/24/23 14:03	M5
Carbon disulfide	ug/L	ND	1.0	01/24/23 14:03	M5
Carbon tetrachloride	ug/L	ND	1.0	01/24/23 14:03	M5
Chlorobenzene	ug/L	ND	1.0	01/24/23 14:03	M5

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Winatic 218010
Pace Project No.: 30554662

METHOD BLANK: 2730588 Matrix: Water
Associated Lab Samples: 30554662001, 30554662002, 30554662004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroethane	ug/L	ND	1.0	01/24/23 14:03	M5
Chloroform	ug/L	ND	1.0	01/24/23 14:03	M5
Chloromethane	ug/L	ND	1.0	01/24/23 14:03	CL,M5
cis-1,2-Dichloroethene	ug/L	ND	1.0	01/24/23 14:03	M5
cis-1,3-Dichloropropene	ug/L	ND	1.0	01/24/23 14:03	M5
Dibromochloromethane	ug/L	ND	1.0	01/24/23 14:03	M5
Dibromomethane	ug/L	ND	1.0	01/24/23 14:03	CH,M5
Dichlorodifluoromethane	ug/L	ND	1.0	01/24/23 14:03	M5
Ethylbenzene	ug/L	ND	1.0	01/24/23 14:03	M5
Iodomethane	ug/L	ND	50.0	01/24/23 14:03	M5
Isopropylbenzene (Cumene)	ug/L	ND	1.0	01/24/23 14:03	M5
m&p-Xylene	ug/L	ND	2.0	01/24/23 14:03	M5
Methyl acetate	ug/L	ND	5.0	01/24/23 14:03	CL,M5
Methyl-tert-butyl ether	ug/L	ND	1.0	01/24/23 14:03	M5
Methylcyclohexane	ug/L	ND	10.0	01/24/23 14:03	M5
Methylene Chloride	ug/L	ND	1.0	01/24/23 14:03	M5
n-Butylbenzene	ug/L	ND	1.0	01/24/23 14:03	CL,M5
n-Propylbenzene	ug/L	ND	1.0	01/24/23 14:03	M5
Naphthalene	ug/L	ND	4.0	01/24/23 14:03	M5
o-Xylene	ug/L	ND	1.0	01/24/23 14:03	M5
p-Isopropyltoluene	ug/L	ND	1.0	01/24/23 14:03	M5
sec-Butylbenzene	ug/L	ND	1.0	01/24/23 14:03	M5
Styrene	ug/L	ND	1.0	01/24/23 14:03	M5
tert-Butylbenzene	ug/L	ND	1.0	01/24/23 14:03	M5
Tetrachloroethene	ug/L	ND	1.0	01/24/23 14:03	M5
Toluene	ug/L	ND	1.0	01/24/23 14:03	M5
trans-1,2-Dichloroethene	ug/L	ND	1.0	01/24/23 14:03	M5
trans-1,3-Dichloropropene	ug/L	ND	1.0	01/24/23 14:03	M5
trans-1,4-Dichloro-2-butene	ug/L	ND	5.0	01/24/23 14:03	CL,M5
Trichloroethene	ug/L	ND	1.0	01/24/23 14:03	M5
Trichlorofluoromethane	ug/L	ND	1.0	01/24/23 14:03	M5
Vinyl acetate	ug/L	ND	1.0	01/24/23 14:03	CL,M5
Vinyl chloride	ug/L	ND	1.0	01/24/23 14:03	M5
1,2-Dichloroethane-d4 (S)	%.	101	70-130	01/24/23 14:03	M5
4-Bromofluorobenzene (S)	%.	99	70-130	01/24/23 14:03	M5
Dibromofluoromethane (S)	%.	107	70-130	01/24/23 14:03	M5
Toluene-d8 (S)	%.	88	70-130	01/24/23 14:03	M5

LABORATORY CONTROL SAMPLE: 2730589

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.2	91	70-130	M5
1,1,1-Trichloroethane	ug/L	20	18.7	94	70-130	M5
1,1,2,2-Tetrachloroethane	ug/L	20	16.6	83	70-130	M5

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Winatic 218010
Pace Project No.: 30554662

LABORATORY CONTROL SAMPLE: 2730589

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2-Trichloroethane	ug/L	20	18.3	92	70-130	M5
1,1-Dichloroethane	ug/L	20	15.6	78	70-130	M5
1,1-Dichloroethene	ug/L	20	10.1	50	45-130	M5
1,1-Dichloropropene	ug/L	20	16.1	80	70-130	M5
1,2,3-Trichlorobenzene	ug/L	20	18.8	94	56-145	M5
1,2,3-Trichloropropane	ug/L	20	18.4	92	70-130	M5
1,2,4-Trichlorobenzene	ug/L	20	17.0	85	61-151	M5
1,2,4-Trimethylbenzene	ug/L	20	15.9	79	70-130	M5
1,2-Dibromo-3-chloropropane	ug/L	20	21.1	106	64-130	M5
1,2-Dibromoethane (EDB)	ug/L	20	18.3	91	70-130	M5
1,2-Dichlorobenzene	ug/L	20	17.3	86	70-130	M5
1,2-Dichloroethane	ug/L	20	17.7	88	64-130	M5
1,2-Dichloroethene (Total)	ug/L	40	28.7	72	70-130	M5
1,2-Dichloropropane	ug/L	20	17.1	85	70-130	M5
1,3,5-Trichlorobenzene	ug/L	20	16.9	84	64-142	M5,N2
1,3,5-Trimethylbenzene	ug/L	20	15.2	76	70-130	M5
1,3-Dichlorobenzene	ug/L	20	16.8	84	70-130	M5
1,3-Dichloropropane	ug/L	20	16.7	83	70-130	M5
1,4-Dichlorobenzene	ug/L	20	17.1	86	70-130	M5
2,2-Dichloropropane	ug/L	20	10.9	55	53-149	CL,M5
2-Butanone (MEK)	ug/L	20	20.9	105	55-143	M5
2-Chloroethylvinyl ether	ug/L	20	19.4	97	48-137	M5
2-Chlorotoluene	ug/L	20	15.6	78	70-130	M5
2-Hexanone	ug/L	20	16.7	84	56-138	M5
4-Chlorotoluene	ug/L	20	16.4	82	70-130	M5
4-Methyl-2-pentanone (MIBK)	ug/L	20	18.5	92	62-136	M5
Acetone	ug/L	20	25.6	128	10-175	CH,M5
Acrolein	ug/L	20	8.3	42	10-175	CL,M5
Acrylonitrile	ug/L	20	21.7	109	54-138	M5
Benzene	ug/L	20	17.1	86	70-130	M5
Bromobenzene	ug/L	20	14.5	73	70-130	M5
Bromochloromethane	ug/L	20	20.1	100	70-130	M5
Bromodichloromethane	ug/L	20	19.4	97	70-130	M5
Bromoform	ug/L	20	18.9	95	58-130	M5
Carbon disulfide	ug/L	20	17.4	87	46-156	M5
Carbon tetrachloride	ug/L	20	14.5	73	70-130	M5
Chlorobenzene	ug/L	20	19.1	95	70-130	M5
Chloroethane	ug/L	20	22.1	110	36-168	M5
Chloroform	ug/L	20	18.2	91	70-130	M5
Chloromethane	ug/L	20	17.7	89	43-134	CL,M5
cis-1,2-Dichloroethene	ug/L	20	15.2	76	70-130	M5
cis-1,3-Dichloropropene	ug/L	20	17.3	86	70-130	M5
Dibromochloromethane	ug/L	20	18.1	90	70-130	M5
Dibromomethane	ug/L	20	22.7	113	70-130	CH,M5
Dichlorodifluoromethane	ug/L	20	23.1	115	46-169	M5
Ethylbenzene	ug/L	20	17.9	90	63-135	M5
Iodomethane	ug/L	20	15.2J	76	10-147	M5

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Winatic 218010
Pace Project No.: 30554662

LABORATORY CONTROL SAMPLE: 2730589

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Isopropylbenzene (Cumene)	ug/L	20	17.9	90	70-130	M5
m&p-Xylene	ug/L	40	35.6	89	70-130	M5
Methyl acetate	ug/L	20	26.3	132	29-154	CL,M5
Methyl-tert-butyl ether	ug/L	20	18.0	90	63-130	M5
Methylcyclohexane	ug/L	20	16.2	81	54-148	M5
Methylene Chloride	ug/L	20	14.4	72	70-130	M5
n-Butylbenzene	ug/L	20	13.6	68	70-130	CL,L2,M5
n-Propylbenzene	ug/L	20	15.4	77	70-130	M5
Naphthalene	ug/L	20	16.0	80	30-166	M5
o-Xylene	ug/L	20	18.1	90	70-130	M5
p-Isopropyltoluene	ug/L	20	15.4	77	70-130	M5
sec-Butylbenzene	ug/L	20	16.4	82	70-130	M5
Styrene	ug/L	20	18.4	92	70-130	M5
tert-Butylbenzene	ug/L	20	16.4	82	70-130	M5
Tetrachloroethene	ug/L	20	19.6	98	70-130	M5
Toluene	ug/L	20	16.5	83	70-130	M5
trans-1,2-Dichloroethene	ug/L	20	13.5	67	70-130	L2,M5
trans-1,3-Dichloropropene	ug/L	20	15.5	78	70-130	M5
trans-1,4-Dichloro-2-butene	ug/L	20	14.2	71	42-139	CL,M5
Trichloroethene	ug/L	20	20.1	100	70-130	M5
Trichlorofluoromethane	ug/L	20	28.9	145	49-149	M5
Vinyl acetate	ug/L	20	9.7	48	50-140	CL,L2,M5
Vinyl chloride	ug/L	20	20.6	103	56-132	M5
1,2-Dichloroethane-d4 (S)	%.			96	70-130	M5
4-Bromofluorobenzene (S)	%.			101	70-130	M5
Dibromofluoromethane (S)	%.			111	70-130	M5
Toluene-d8 (S)	%.			91	70-130	M5

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Winatic 218010
Pace Project No.: 30554662

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 562257

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M5	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
R1	RPD value was outside control limits.
SR	Surrogate recovery was below laboratory control limits. Results may be biased low.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Winatic 218010
Pace Project No.: 30554662

ANALYTE QUALIFIERS

ST	Surrogate recovery was above laboratory control limits. Results may be biased high.
c2	Acid preservation may not be appropriate for the analysis of 2-Chloroethylvinyl ether.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Winatic 218010
Pace Project No.: 30554662

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30554662001	**System Influent**	EPA 8260C	562257		
30554662002	**System Middle**	EPA 8260C	562257		
30554662003	**System Effluent**	EPA 8260C	561252		
30554662004	**Trip Blank**	EPA 8260C	562257		

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: | of

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 #:	

REGULATORY AGENCY

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

Site Location STATE: NY

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	EPA Method 8260	Target Compound List	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	System Influent	WT	G			01/12/23	12:35		3				3						X			001
2	System Middle	WT	G			01/12/23	12:30		3				3						X			002
3	System Effluent	WT	G			01/12/23	12:25		3				3						X			003
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12	Trip Blank	WT																				004

WO# : 30554662

30554662

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Trip Black for lab use : No Charge	/ GeoLogic	1/12/23	16:00	GeoLogic Sample Frig	1/12/23	16:00				
	GeoLogic Sample Frig	1/16	12:00		1/16	12:00				
		1/16	17:00		1-17-23	0730	4.9	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joseph Menzel

SIGNATURE of SAMPLER: | DATE Signed (MM/DD/YY): 1/12/23

*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-GBUR-0088 v02_Sample Condition Upon Receipt-Pittsburgh

Effective Date: 10/03/2022

WO# : 30554662

Client Name: Geologic NY

PM: SCR Due Date: 01/31/23
CLIENT: GEOLOGIC NY

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: 7710 3797 7370

Examined By	JS
Labeled By	JS
Temped By	JS

Custody Seal on Cooler/Box Present: ☑ Yes ☐ No **Seals Intact:** ☑ Yes ☐ No

Thermometer Used: 18 **Type of Ice:** (Wet) Blue None

Cooler Temperature: Observed Temp 4.3 °C Correction Factor: 0 °C Final Temp: 4.3 °C
Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# / D.P.D. Residual Chlorine Lot #
Chain of Custody Present	✓			1.
Chain of Custody Filled Out:	✓			2.
-Were client corrections present on COC		✓		
Chain of Custody Relinquished	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC:	✓			5.
-Includes date/time/ID Matrix:	WT			
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used	✓			
Containers Intact:	✓			11.
Orthophosphate field filtered:			✓	12.
Hex Cr Aqueous samples field filtered:			✓	13.
Organic Samples checked for dechlorination			✓	14:
Filtered volume received for dissolved tests:			✓	15:
All containers checked for preservation: exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix			✓	16.
All containers meet method preservation requirements:	✓			Initial when completed JS Date/Time of Preservation
				Lot# of added Preservative
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:	✓			18.
Trip Blank Custody Seals Present	✓			
Rad Samples Screened <0.5 mrem/hr.	✓		✓	Initial when completed JS Date: 11/17/23 Survey Meter SN: 1563

Comments: JS 11/17/23

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

February 09, 2023

GeoLogic NY, P.C.
Geologic NY
37 Copeland Avenue
Homer, NY 13077

RE: Project: 218010 Winatic
Pace Project No.: 30559884

Dear GeoLogic NY, P.C.:

Enclosed are the analytical results for sample(s) received by the laboratory on February 07, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Skyler C. Richmond
skyler.richmond@pacelabs.com
(724)850-5600
Project Manager

Enclosures

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: 218010 Winatic
Pace Project No.: 30559884

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: 218010 Winatic
Pace Project No.: 30559884

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30559884001	**System Influent**	Water	02/02/23 15:35	02/07/23 10:15
30559884002	**System Middle**	Water	02/02/23 15:32	02/07/23 10:15
30559884003	**System Effluent**	Water	02/02/23 15:30	02/07/23 10:15
30559884004	**Trip Blank**	Water	02/02/23 00:00	02/07/23 10:15

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: 218010 Winatic
Pace Project No.: 30559884

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30559884001	**System Influent**	EPA 8260C	JAS	52	PASI-PA
30559884002	**System Middle**	EPA 8260C	JAS	52	PASI-PA
30559884003	**System Effluent**	EPA 8260C	JAS	52	PASI-PA
30559884004	**Trip Blank**	EPA 8260C	JAS	52	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: 218010 Winatic
Pace Project No.: 30559884

Method: **EPA 8260C**
Description: 8260C MSV
Client: GeoLogic NY, P.C.
Date: February 09, 2023

General Information:
4 samples were analyzed for EPA 8260C by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 565863

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Analyte Comments:

QC Batch: 565863

1c: This compound did not meet the recomended minimum RF in the ICAL.

- BLANK (Lab ID: 2748112)
  - Acetone
- LCS (Lab ID: 2748113)
  - Acetone
- System Effluent (Lab ID: 30559884003)
  - Acetone

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: 218010 Winatic
Pace Project No.: 30559884

Method: **EPA 8260C**
Description: 8260C MSV
Client: GeoLogic NY, P.C.
Date: February 09, 2023

Analyte Comments:

QC Batch: 565863

1c: This compound did not meet the recomended minimum RF in the ICAL.

- System Influent (Lab ID: 30559884001)
  - Acetone
- System Middle (Lab ID: 30559884002)
  - Acetone
- Trip Blank (Lab ID: 30559884004)
  - Acetone

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 218010 Winatic
Pace Project No.: 30559884

Sample: System Influent **Lab ID: 30559884001** Collected: 02/02/23 15:35 Received: 02/07/23 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Acetone	ND	ug/L	10.0	1		02/09/23 18:23	67-64-1	1c,M5
Benzene	ND	ug/L	1.0	1		02/09/23 18:23	71-43-2	M5
Bromochloromethane	ND	ug/L	1.0	1		02/09/23 18:23	74-97-5	M5
Bromodichloromethane	ND	ug/L	1.0	1		02/09/23 18:23	75-27-4	M5
Bromoform	ND	ug/L	4.0	1		02/09/23 18:23	75-25-2	M5
Bromomethane	ND	ug/L	4.0	1		02/09/23 18:23	74-83-9	M5
TOTAL BTEX	ND	ug/L	6.0	1		02/09/23 18:23		M5
2-Butanone (MEK)	ND	ug/L	10.0	1		02/09/23 18:23	78-93-3	M5
Carbon disulfide	ND	ug/L	1.0	1		02/09/23 18:23	75-15-0	M5
Carbon tetrachloride	ND	ug/L	1.0	1		02/09/23 18:23	56-23-5	M5
Chlorobenzene	ND	ug/L	1.0	1		02/09/23 18:23	108-90-7	M5
Chloroethane	ND	ug/L	1.0	1		02/09/23 18:23	75-00-3	M5
Chloroform	ND	ug/L	1.0	1		02/09/23 18:23	67-66-3	M5
Chloromethane	ND	ug/L	1.0	1		02/09/23 18:23	74-87-3	M5
Dibromochloromethane	ND	ug/L	1.0	1		02/09/23 18:23	124-48-1	M5
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/09/23 18:23	95-50-1	M5
1,3-Dichlorobenzene	ND	ug/L	1.0	1		02/09/23 18:23	541-73-1	M5
1,4-Dichlorobenzene	ND	ug/L	1.0	1		02/09/23 18:23	106-46-7	M5
1,1-Dichloroethane	ND	ug/L	1.0	1		02/09/23 18:23	75-34-3	M5
1,2-Dichloroethane	ND	ug/L	1.0	1		02/09/23 18:23	107-06-2	M5
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		02/09/23 18:23	540-59-0	M5
1,1-Dichloroethene	ND	ug/L	1.0	1		02/09/23 18:23	75-35-4	M5
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		02/09/23 18:23	156-59-2	M5
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/09/23 18:23	156-60-5	M5
1,2-Dichloropropane	ND	ug/L	1.0	1		02/09/23 18:23	78-87-5	M5
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		02/09/23 18:23	10061-01-5	M5
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		02/09/23 18:23	10061-02-6	M5
Ethylbenzene	ND	ug/L	1.0	1		02/09/23 18:23	100-41-4	M5
2-Hexanone	ND	ug/L	10.0	1		02/09/23 18:23	591-78-6	M5
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		02/09/23 18:23	98-82-8	M5
Methylene Chloride	ND	ug/L	1.0	1		02/09/23 18:23	75-09-2	M5
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		02/09/23 18:23	108-10-1	M5
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/09/23 18:23	1634-04-4	M5
Naphthalene	ND	ug/L	4.0	1		02/09/23 18:23	91-20-3	M5
Styrene	ND	ug/L	1.0	1		02/09/23 18:23	100-42-5	M5
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/09/23 18:23	79-34-5	M5
Tetrachloroethene	ND	ug/L	1.0	1		02/09/23 18:23	127-18-4	M5
Toluene	ND	ug/L	1.0	1		02/09/23 18:23	108-88-3	M5
1,2,4-Trichlorobenzene	ND	ug/L	4.0	1		02/09/23 18:23	120-82-1	M5
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/09/23 18:23	71-55-6	M5
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/09/23 18:23	79-00-5	M5
Trichloroethene	**356**	ug/L	1.0	1		02/09/23 18:23	79-01-6	M5
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		02/09/23 18:23	95-63-6	M5
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		02/09/23 18:23	108-67-8	M5
Vinyl chloride	ND	ug/L	1.0	1		02/09/23 18:23	75-01-4	M5
Xylene (Total)	ND	ug/L	3.0	1		02/09/23 18:23	1330-20-7	M5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 218010 Winatic
Pace Project No.: 30559884

Sample: System Influent **Lab ID: 30559884001** Collected: 02/02/23 15:35 Received: 02/07/23 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
m&p-Xylene	ND	ug/L	2.0	1		02/09/23 18:23	179601-23-1	M5
o-Xylene	ND	ug/L	1.0	1		02/09/23 18:23	95-47-6	M5
Surrogates								
4-Bromofluorobenzene (S)	102	%.	70-130	1		02/09/23 18:23	460-00-4	M5
1,2-Dichloroethane-d4 (S)	102	%.	70-130	1		02/09/23 18:23	17060-07-0	M5
Toluene-d8 (S)	89	%.	70-130	1		02/09/23 18:23	2037-26-5	M5
Dibromofluoromethane (S)	110	%.	70-130	1		02/09/23 18:23	1868-53-7	M5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 218010 Winatic
Pace Project No.: 30559884

Sample: System Middle **Lab ID: 30559884002** Collected: 02/02/23 15:32 Received: 02/07/23 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Acetone	ND	ug/L	10.0	1		02/09/23 18:47	67-64-1	1c,M5
Benzene	ND	ug/L	1.0	1		02/09/23 18:47	71-43-2	M5
Bromochloromethane	ND	ug/L	1.0	1		02/09/23 18:47	74-97-5	M5
Bromodichloromethane	ND	ug/L	1.0	1		02/09/23 18:47	75-27-4	M5
Bromoform	ND	ug/L	4.0	1		02/09/23 18:47	75-25-2	M5
Bromomethane	ND	ug/L	4.0	1		02/09/23 18:47	74-83-9	M5
TOTAL BTEX	ND	ug/L	6.0	1		02/09/23 18:47		M5
2-Butanone (MEK)	ND	ug/L	10.0	1		02/09/23 18:47	78-93-3	M5
Carbon disulfide	ND	ug/L	1.0	1		02/09/23 18:47	75-15-0	M5
Carbon tetrachloride	ND	ug/L	1.0	1		02/09/23 18:47	56-23-5	M5
Chlorobenzene	ND	ug/L	1.0	1		02/09/23 18:47	108-90-7	M5
Chloroethane	ND	ug/L	1.0	1		02/09/23 18:47	75-00-3	M5
Chloroform	ND	ug/L	1.0	1		02/09/23 18:47	67-66-3	M5
Chloromethane	ND	ug/L	1.0	1		02/09/23 18:47	74-87-3	M5
Dibromochloromethane	ND	ug/L	1.0	1		02/09/23 18:47	124-48-1	M5
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/09/23 18:47	95-50-1	M5
1,3-Dichlorobenzene	ND	ug/L	1.0	1		02/09/23 18:47	541-73-1	M5
1,4-Dichlorobenzene	ND	ug/L	1.0	1		02/09/23 18:47	106-46-7	M5
1,1-Dichloroethane	ND	ug/L	1.0	1		02/09/23 18:47	75-34-3	M5
1,2-Dichloroethane	ND	ug/L	1.0	1		02/09/23 18:47	107-06-2	M5
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		02/09/23 18:47	540-59-0	M5
1,1-Dichloroethene	ND	ug/L	1.0	1		02/09/23 18:47	75-35-4	M5
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		02/09/23 18:47	156-59-2	M5
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/09/23 18:47	156-60-5	M5
1,2-Dichloropropane	ND	ug/L	1.0	1		02/09/23 18:47	78-87-5	M5
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		02/09/23 18:47	10061-01-5	M5
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		02/09/23 18:47	10061-02-6	M5
Ethylbenzene	ND	ug/L	1.0	1		02/09/23 18:47	100-41-4	M5
2-Hexanone	ND	ug/L	10.0	1		02/09/23 18:47	591-78-6	M5
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		02/09/23 18:47	98-82-8	M5
Methylene Chloride	ND	ug/L	1.0	1		02/09/23 18:47	75-09-2	M5
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		02/09/23 18:47	108-10-1	M5
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/09/23 18:47	1634-04-4	M5
Naphthalene	ND	ug/L	4.0	1		02/09/23 18:47	91-20-3	M5
Styrene	ND	ug/L	1.0	1		02/09/23 18:47	100-42-5	M5
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/09/23 18:47	79-34-5	M5
Tetrachloroethene	ND	ug/L	1.0	1		02/09/23 18:47	127-18-4	M5
Toluene	ND	ug/L	1.0	1		02/09/23 18:47	108-88-3	M5
1,2,4-Trichlorobenzene	ND	ug/L	4.0	1		02/09/23 18:47	120-82-1	M5
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/09/23 18:47	71-55-6	M5
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/09/23 18:47	79-00-5	M5
Trichloroethene	ND	ug/L	1.0	1		02/09/23 18:47	79-01-6	M5
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		02/09/23 18:47	95-63-6	M5
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		02/09/23 18:47	108-67-8	M5
Vinyl chloride	ND	ug/L	1.0	1		02/09/23 18:47	75-01-4	M5
Xylene (Total)	ND	ug/L	3.0	1		02/09/23 18:47	1330-20-7	M5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 218010 Winatic
Pace Project No.: 30559884

Sample: System Middle **Lab ID: 30559884002** Collected: 02/02/23 15:32 Received: 02/07/23 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
m&p-Xylene	ND	ug/L	2.0	1		02/09/23 18:47	179601-23-1	M5
o-Xylene	ND	ug/L	1.0	1		02/09/23 18:47	95-47-6	M5
Surrogates								
4-Bromofluorobenzene (S)	100	%.	70-130	1		02/09/23 18:47	460-00-4	M5
1,2-Dichloroethane-d4 (S)	104	%.	70-130	1		02/09/23 18:47	17060-07-0	M5
Toluene-d8 (S)	87	%.	70-130	1		02/09/23 18:47	2037-26-5	M5
Dibromofluoromethane (S)	111	%.	70-130	1		02/09/23 18:47	1868-53-7	M5

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 218010 Winatic
Pace Project No.: 30559884

Sample: System Effluent **Lab ID: 30559884003** Collected: 02/02/23 15:30 Received: 02/07/23 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Acetone	ND	ug/L	10.0	1		02/09/23 19:11	67-64-1	1c,M5
Benzene	ND	ug/L	1.0	1		02/09/23 19:11	71-43-2	M5
Bromochloromethane	ND	ug/L	1.0	1		02/09/23 19:11	74-97-5	M5
Bromodichloromethane	ND	ug/L	1.0	1		02/09/23 19:11	75-27-4	M5
Bromoform	ND	ug/L	4.0	1		02/09/23 19:11	75-25-2	M5
Bromomethane	ND	ug/L	4.0	1		02/09/23 19:11	74-83-9	M5
TOTAL BTEX	ND	ug/L	6.0	1		02/09/23 19:11		M5
2-Butanone (MEK)	ND	ug/L	10.0	1		02/09/23 19:11	78-93-3	M5
Carbon disulfide	ND	ug/L	1.0	1		02/09/23 19:11	75-15-0	M5
Carbon tetrachloride	ND	ug/L	1.0	1		02/09/23 19:11	56-23-5	M5
Chlorobenzene	ND	ug/L	1.0	1		02/09/23 19:11	108-90-7	M5
Chloroethane	ND	ug/L	1.0	1		02/09/23 19:11	75-00-3	M5
Chloroform	ND	ug/L	1.0	1		02/09/23 19:11	67-66-3	M5
Chloromethane	ND	ug/L	1.0	1		02/09/23 19:11	74-87-3	M5
Dibromochloromethane	ND	ug/L	1.0	1		02/09/23 19:11	124-48-1	M5
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/09/23 19:11	95-50-1	M5
1,3-Dichlorobenzene	ND	ug/L	1.0	1		02/09/23 19:11	541-73-1	M5
1,4-Dichlorobenzene	ND	ug/L	1.0	1		02/09/23 19:11	106-46-7	M5
1,1-Dichloroethane	ND	ug/L	1.0	1		02/09/23 19:11	75-34-3	M5
1,2-Dichloroethane	ND	ug/L	1.0	1		02/09/23 19:11	107-06-2	M5
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		02/09/23 19:11	540-59-0	M5
1,1-Dichloroethene	ND	ug/L	1.0	1		02/09/23 19:11	75-35-4	M5
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		02/09/23 19:11	156-59-2	M5
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/09/23 19:11	156-60-5	M5
1,2-Dichloropropane	ND	ug/L	1.0	1		02/09/23 19:11	78-87-5	M5
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		02/09/23 19:11	10061-01-5	M5
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		02/09/23 19:11	10061-02-6	M5
Ethylbenzene	ND	ug/L	1.0	1		02/09/23 19:11	100-41-4	M5
2-Hexanone	ND	ug/L	10.0	1		02/09/23 19:11	591-78-6	M5
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		02/09/23 19:11	98-82-8	M5
Methylene Chloride	ND	ug/L	1.0	1		02/09/23 19:11	75-09-2	M5
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		02/09/23 19:11	108-10-1	M5
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/09/23 19:11	1634-04-4	M5
Naphthalene	ND	ug/L	4.0	1		02/09/23 19:11	91-20-3	M5
Styrene	ND	ug/L	1.0	1		02/09/23 19:11	100-42-5	M5
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/09/23 19:11	79-34-5	M5
Tetrachloroethene	ND	ug/L	1.0	1		02/09/23 19:11	127-18-4	M5
Toluene	ND	ug/L	1.0	1		02/09/23 19:11	108-88-3	M5
1,2,4-Trichlorobenzene	ND	ug/L	4.0	1		02/09/23 19:11	120-82-1	M5
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/09/23 19:11	71-55-6	M5
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/09/23 19:11	79-00-5	M5
Trichloroethene	ND	ug/L	1.0	1		02/09/23 19:11	79-01-6	M5
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		02/09/23 19:11	95-63-6	M5
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		02/09/23 19:11	108-67-8	M5
Vinyl chloride	ND	ug/L	1.0	1		02/09/23 19:11	75-01-4	M5
Xylene (Total)	ND	ug/L	3.0	1		02/09/23 19:11	1330-20-7	M5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 218010 Winatic
Pace Project No.: 30559884

Sample: System Effluent **Lab ID: 30559884003** Collected: 02/02/23 15:30 Received: 02/07/23 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
m&p-Xylene	ND	ug/L	2.0	1		02/09/23 19:11	179601-23-1	M5
o-Xylene	ND	ug/L	1.0	1		02/09/23 19:11	95-47-6	M5
Surrogates								
4-Bromofluorobenzene (S)	98	%.	70-130	1		02/09/23 19:11	460-00-4	M5
1,2-Dichloroethane-d4 (S)	106	%.	70-130	1		02/09/23 19:11	17060-07-0	M5
Toluene-d8 (S)	88	%.	70-130	1		02/09/23 19:11	2037-26-5	M5
Dibromofluoromethane (S)	116	%.	70-130	1		02/09/23 19:11	1868-53-7	M5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 218010 Winatic
Pace Project No.: 30559884

Sample: Trip Blank **Lab ID: 30559884004** Collected: 02/02/23 00:00 Received: 02/07/23 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Acetone	**15.6**	ug/L	10.0	1		02/09/23 19:36	67-64-1	1c,M5
Benzene	ND	ug/L	1.0	1		02/09/23 19:36	71-43-2	M5
Bromochloromethane	ND	ug/L	1.0	1		02/09/23 19:36	74-97-5	M5
Bromodichloromethane	ND	ug/L	1.0	1		02/09/23 19:36	75-27-4	M5
Bromoform	ND	ug/L	4.0	1		02/09/23 19:36	75-25-2	M5
Bromomethane	ND	ug/L	4.0	1		02/09/23 19:36	74-83-9	M5
TOTAL BTEX	ND	ug/L	6.0	1		02/09/23 19:36		M5
2-Butanone (MEK)	ND	ug/L	10.0	1		02/09/23 19:36	78-93-3	M5
Carbon disulfide	ND	ug/L	1.0	1		02/09/23 19:36	75-15-0	M5
Carbon tetrachloride	ND	ug/L	1.0	1		02/09/23 19:36	56-23-5	M5
Chlorobenzene	ND	ug/L	1.0	1		02/09/23 19:36	108-90-7	M5
Chloroethane	ND	ug/L	1.0	1		02/09/23 19:36	75-00-3	M5
Chloroform	ND	ug/L	1.0	1		02/09/23 19:36	67-66-3	M5
Chloromethane	ND	ug/L	1.0	1		02/09/23 19:36	74-87-3	M5
Dibromochloromethane	ND	ug/L	1.0	1		02/09/23 19:36	124-48-1	M5
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/09/23 19:36	95-50-1	M5
1,3-Dichlorobenzene	ND	ug/L	1.0	1		02/09/23 19:36	541-73-1	M5
1,4-Dichlorobenzene	ND	ug/L	1.0	1		02/09/23 19:36	106-46-7	M5
1,1-Dichloroethane	ND	ug/L	1.0	1		02/09/23 19:36	75-34-3	M5
1,2-Dichloroethane	ND	ug/L	1.0	1		02/09/23 19:36	107-06-2	M5
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		02/09/23 19:36	540-59-0	M5
1,1-Dichloroethene	ND	ug/L	1.0	1		02/09/23 19:36	75-35-4	M5
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		02/09/23 19:36	156-59-2	M5
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/09/23 19:36	156-60-5	M5
1,2-Dichloropropane	ND	ug/L	1.0	1		02/09/23 19:36	78-87-5	M5
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		02/09/23 19:36	10061-01-5	M5
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		02/09/23 19:36	10061-02-6	M5
Ethylbenzene	ND	ug/L	1.0	1		02/09/23 19:36	100-41-4	M5
2-Hexanone	ND	ug/L	10.0	1		02/09/23 19:36	591-78-6	M5
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		02/09/23 19:36	98-82-8	M5
Methylene Chloride	ND	ug/L	1.0	1		02/09/23 19:36	75-09-2	M5
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		02/09/23 19:36	108-10-1	M5
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/09/23 19:36	1634-04-4	M5
Naphthalene	ND	ug/L	4.0	1		02/09/23 19:36	91-20-3	M5
Styrene	ND	ug/L	1.0	1		02/09/23 19:36	100-42-5	M5
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/09/23 19:36	79-34-5	M5
Tetrachloroethene	ND	ug/L	1.0	1		02/09/23 19:36	127-18-4	M5
Toluene	ND	ug/L	1.0	1		02/09/23 19:36	108-88-3	M5
1,2,4-Trichlorobenzene	ND	ug/L	4.0	1		02/09/23 19:36	120-82-1	M5
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/09/23 19:36	71-55-6	M5
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/09/23 19:36	79-00-5	M5
Trichloroethene	ND	ug/L	1.0	1		02/09/23 19:36	79-01-6	M5
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		02/09/23 19:36	95-63-6	M5
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		02/09/23 19:36	108-67-8	M5
Vinyl chloride	ND	ug/L	1.0	1		02/09/23 19:36	75-01-4	M5
Xylene (Total)	ND	ug/L	3.0	1		02/09/23 19:36	1330-20-7	M5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 218010 Winatic
Pace Project No.: 30559884

Sample: Trip Blank **Lab ID: 30559884004** Collected: 02/02/23 00:00 Received: 02/07/23 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
m&p-Xylene	ND	ug/L	2.0	1		02/09/23 19:36	179601-23-1	M5
o-Xylene	ND	ug/L	1.0	1		02/09/23 19:36	95-47-6	M5
Surrogates								
4-Bromofluorobenzene (S)	95	%.	70-130	1		02/09/23 19:36	460-00-4	M5
1,2-Dichloroethane-d4 (S)	106	%.	70-130	1		02/09/23 19:36	17060-07-0	M5
Toluene-d8 (S)	88	%.	70-130	1		02/09/23 19:36	2037-26-5	M5
Dibromofluoromethane (S)	118	%.	70-130	1		02/09/23 19:36	1868-53-7	M5

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: 218010 Winatic
Pace Project No.: 30559884

QC Batch: 565863 | Analysis Method: EPA 8260C
QC Batch Method: EPA 8260C | Analysis Description: 8260C MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30559884001, 30559884002, 30559884003, 30559884004

METHOD BLANK: 2748112 Matrix: Water
Associated Lab Samples: 30559884001, 30559884002, 30559884003, 30559884004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	02/09/23 13:21	M5
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	02/09/23 13:21	M5
1,1,2-Trichloroethane	ug/L	ND	1.0	02/09/23 13:21	M5
1,1-Dichloroethane	ug/L	ND	1.0	02/09/23 13:21	M5
1,1-Dichloroethene	ug/L	ND	1.0	02/09/23 13:21	M5
1,2,4-Trichlorobenzene	ug/L	ND	4.0	02/09/23 13:21	M5
1,2,4-Trimethylbenzene	ug/L	ND	1.0	02/09/23 13:21	M5
1,2-Dichlorobenzene	ug/L	ND	1.0	02/09/23 13:21	M5
1,2-Dichloroethane	ug/L	ND	1.0	02/09/23 13:21	M5
1,2-Dichloroethene (Total)	ug/L	ND	2.0	02/09/23 13:21	M5
1,2-Dichloropropane	ug/L	ND	1.0	02/09/23 13:21	M5
1,3,5-Trimethylbenzene	ug/L	ND	1.0	02/09/23 13:21	M5
1,3-Dichlorobenzene	ug/L	ND	1.0	02/09/23 13:21	M5
1,4-Dichlorobenzene	ug/L	ND	1.0	02/09/23 13:21	M5
2-Butanone (MEK)	ug/L	ND	10.0	02/09/23 13:21	M5
2-Hexanone	ug/L	ND	10.0	02/09/23 13:21	M5
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	02/09/23 13:21	M5
Acetone	ug/L	ND	10.0	02/09/23 13:21	1c,M5
Benzene	ug/L	ND	1.0	02/09/23 13:21	M5
Bromochloromethane	ug/L	ND	1.0	02/09/23 13:21	M5
Bromodichloromethane	ug/L	ND	1.0	02/09/23 13:21	M5
Bromoform	ug/L	ND	4.0	02/09/23 13:21	M5
Bromomethane	ug/L	ND	4.0	02/09/23 13:21	M5
Carbon disulfide	ug/L	ND	1.0	02/09/23 13:21	M5
Carbon tetrachloride	ug/L	ND	1.0	02/09/23 13:21	M5
Chlorobenzene	ug/L	ND	1.0	02/09/23 13:21	M5
Chloroethane	ug/L	ND	1.0	02/09/23 13:21	M5
Chloroform	ug/L	ND	1.0	02/09/23 13:21	M5
Chloromethane	ug/L	ND	1.0	02/09/23 13:21	M5
cis-1,2-Dichloroethene	ug/L	ND	1.0	02/09/23 13:21	M5
cis-1,3-Dichloropropene	ug/L	ND	1.0	02/09/23 13:21	M5
Dibromochloromethane	ug/L	ND	1.0	02/09/23 13:21	M5
Ethylbenzene	ug/L	ND	1.0	02/09/23 13:21	M5
Isopropylbenzene (Cumene)	ug/L	ND	1.0	02/09/23 13:21	M5
m&p-Xylene	ug/L	ND	2.0	02/09/23 13:21	M5
Methyl-tert-butyl ether	ug/L	ND	1.0	02/09/23 13:21	M5
Methylene Chloride	ug/L	ND	1.0	02/09/23 13:21	M5
Naphthalene	ug/L	ND	4.0	02/09/23 13:21	M5
o-Xylene	ug/L	ND	1.0	02/09/23 13:21	M5
Styrene	ug/L	ND	1.0	02/09/23 13:21	M5

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: 218010 Winatic
Pace Project No.: 30559884

METHOD BLANK: 2748112 Matrix: Water
Associated Lab Samples: 30559884001, 30559884002, 30559884003, 30559884004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	1.0	02/09/23 13:21	M5
Toluene	ug/L	ND	1.0	02/09/23 13:21	M5
TOTAL BTEX	ug/L	ND	6.0	02/09/23 13:21	M5
trans-1,2-Dichloroethene	ug/L	ND	1.0	02/09/23 13:21	M5
trans-1,3-Dichloropropene	ug/L	ND	1.0	02/09/23 13:21	M5
Trichloroethene	ug/L	ND	1.0	02/09/23 13:21	M5
Vinyl chloride	ug/L	ND	1.0	02/09/23 13:21	M5
Xylene (Total)	ug/L	ND	3.0	02/09/23 13:21	M5
1,2-Dichloroethane-d4 (S)	%.	107	70-130	02/09/23 13:21	M5
4-Bromofluorobenzene (S)	%.	97	70-130	02/09/23 13:21	M5
Dibromofluoromethane (S)	%.	113	70-130	02/09/23 13:21	M5
Toluene-d8 (S)	%.	89	70-130	02/09/23 13:21	M5

LABORATORY CONTROL SAMPLE: 2748113

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	23.9	120	70-130	M5
1,1,2,2-Tetrachloroethane	ug/L	20	18.3	92	70-130	M5
1,1,2-Trichloroethane	ug/L	20	20.2	101	70-130	M5
1,1-Dichloroethane	ug/L	20	20.0	100	70-130	M5
1,1-Dichloroethene	ug/L	20	19.4	97	45-130	M5
1,2,4-Trichlorobenzene	ug/L	20	20.2	101	61-151	M5
1,2,4-Trimethylbenzene	ug/L	20	17.8	89	70-130	M5
1,2-Dichlorobenzene	ug/L	20	20.1	101	70-130	M5
1,2-Dichloroethane	ug/L	20	20.1	100	64-130	M5
1,2-Dichloroethene (Total)	ug/L	40	38.0	95	70-130	M5
1,2-Dichloropropane	ug/L	20	19.7	99	70-130	M5
1,3,5-Trimethylbenzene	ug/L	20	17.7	89	70-130	M5
1,3-Dichlorobenzene	ug/L	20	20.4	102	70-130	M5
1,4-Dichlorobenzene	ug/L	20	19.8	99	70-130	M5
2-Butanone (MEK)	ug/L	20	19.2	96	55-143	M5
2-Hexanone	ug/L	20	15.4	77	56-138	M5
4-Methyl-2-pentanone (MIBK)	ug/L	20	16.7	84	62-136	M5
Acetone	ug/L	20	20.2	101	10-175	1c,M5
Benzene	ug/L	20	21.2	106	70-130	M5
Bromochloromethane	ug/L	20	24.9	124	70-130	M5
Bromodichloromethane	ug/L	20	23.0	115	70-130	M5
Bromoform	ug/L	20	21.8	109	58-130	M5
Bromomethane	ug/L	20	21.3	106	10-151	M5
Carbon disulfide	ug/L	20	17.7	88	46-156	M5
Carbon tetrachloride	ug/L	20	19.2	96	70-130	M5
Chlorobenzene	ug/L	20	21.9	109	70-130	M5
Chloroethane	ug/L	20	21.0	105	36-168	M5
Chloroform	ug/L	20	21.6	108	70-130	M5

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: 218010 Winatic
Pace Project No.: 30559884

LABORATORY CONTROL SAMPLE: 2748113

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	20	12.8	64	43-134	M5
cis-1,2-Dichloroethene	ug/L	20	18.5	92	70-130	M5
cis-1,3-Dichloropropene	ug/L	20	20.0	100	70-130	M5
Dibromochloromethane	ug/L	20	20.8	104	70-130	M5
Ethylbenzene	ug/L	20	20.5	103	63-135	M5
Isopropylbenzene (Cumene)	ug/L	20	20.4	102	70-130	M5
m&p-Xylene	ug/L	40	42.1	105	70-130	M5
Methyl-tert-butyl ether	ug/L	20	16.9	85	63-130	M5
Methylene Chloride	ug/L	20	19.9	99	70-130	M5
Naphthalene	ug/L	20	16.2	81	30-166	M5
o-Xylene	ug/L	20	20.9	105	70-130	M5
Styrene	ug/L	20	21.4	107	70-130	M5
Tetrachloroethene	ug/L	20	25.3	126	70-130	M5
Toluene	ug/L	20	19.8	99	70-130	M5
TOTAL BTEX	ug/L	120	125	104	70-130	M5
trans-1,2-Dichloroethene	ug/L	20	19.6	98	70-130	M5
trans-1,3-Dichloropropene	ug/L	20	19.4	97	70-130	M5
Trichloroethene	ug/L	20	24.7	123	70-130	M5
Vinyl chloride	ug/L	20	17.0	85	56-132	M5
Xylene (Total)	ug/L	60	63.0	105	70-130	M5
1,2-Dichloroethane-d4 (S)	%.			102	70-130	M5
4-Bromofluorobenzene (S)	%.			103	70-130	M5
Dibromofluoromethane (S)	%.			110	70-130	M5
Toluene-d8 (S)	%.			92	70-130	M5

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: 218010 Winatic
Pace Project No.: 30559884

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 565863

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1c	This compound did not meet the recomended minimum RF in the ICAL.
M5	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 218010 Winatic
Pace Project No.: 30559884

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30559884001	**System Influent**	EPA 8260C	565863		
30559884002	**System Middle**	EPA 8260C	565863		
30559884003	**System Effluent**	EPA 8260C	565863		
30559884004	**Trip Blank**	EPA 8260C	565863		

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTO

The Chain-of-Custody is a LEGAL

WO# : 30559884

30559884

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section Invoice	
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 Fax: 607-749-5063	Project Name:	Winatic	Pace Project Manager:	
Requested Due Date/TAT:	Standard	Project Number:	218010	Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☑ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location *STATE:* NY

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	EPA Method 8260	Target Compound List	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	System Influent	DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TISSUE TS	WT	G			02/02/23	15:35		3				3						X			01
2	System Middle		WT	G			02/02/23	15:32		3				3						X			02
3	System Effluent		WT	G			02/02/23	15:30		3				3						X			03
4																							04
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12	Trip Blank		WT																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Trip Black for lab use : No Charge	Joseph Menzel / GeoLogic	2/2/23	17:00	GeoLogic Sample Frig	2/2/23	17:00	
	GeoLogic Sample Frig	2-6	13:00		2-6	13:00	
		2-6	17:00				
				2/7/23		10:15	4.3 / Y / N / Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joseph Menzel

SIGNATURE of SAMPLER: Joseph Menzel DATE Signed (MM/DD/YY): 2/2/23 1/0/00

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 30 days.

Client _____

Site 21810

Page 1 of 1

Profile Number 61419

Notes _____

		Amber Glass					Plastic								Vials					Other									
Sample Line Item	Matrix	AG1H	AG3S	AG3U	AG5U	AG5T	BP1N	BP1U	BP2S	BP2U	BP3C	BP3N	BP3S	BP3U	DG9S	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	GCUB	GJN	12GN	GN	BG1U		
1	WT															3													
2																↓													
3																													
4	↓															2													

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unpreserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL cl
GJN	1 Gallon Jug	VG9H	40mL
AG1S	1L amber glass H2SO4	JGFU	4oz an
AG1H	1L amber glass HCl	WGFU	4oz wi
AG1T	1L amber glass NA Thiosulfate	BG2U	500mL
BG1U	1L clear glass unpreserved	AG2U	500mL
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar unpreserved
AG3U	250mL amber glass unpreserved	GN	General

WO#: 30559884
PM: SCR Due Date: 02/14/23
CLIENT: GEOLOGIC NY

Plastic/Misc.

GCUB	1 gallon cubitainer
12GN	1/2 gallon cubitainer
	120mL coliform Na Thiosulfate
	1L plastic HNO3
	1L plastic unpreserved
	250mL plastic H2SO4
	250mL plastic HNO3
	250mL plastic unpreserved
BP3C	250mL plastic NAOH
BP2S	500mL plastic H2SO4
BP2U	500mL plastic unpreserved

EZI	5g Encore
VOAK	Kit Volatile Solid
I	Wipe/Swab
ZPLC	Siploc Bag

WT	Water
SL	Solid
OL	Non-Aq Liquid
WP	Wipe

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-GBUR-0088 v04_Sample Condition ...
Pittsburgh

Effective Date: 02/03/2023

WO# : 30559884

PM: SCR Due Date: 02/14/23
CLIENT: GEOLOGIC NY

Client Name: Geologic

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: 771226677910

Examined By	
Labeled By	
Temped By	

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals Intact:** ☐ Yes ☑ No

Thermometer Used: 18 **Type of Ice:** (Wet) Blue None

Cooler Temperature: Observed Temp 3.6 °C Correction Factor: +0.7 °C Final Temp: 4.3 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# — / D.P.D. Residual Chlorine Lot #
Chain of Custody Present	✓			1.
Chain of Custody Filled Out:	✓			2.
-Were client corrections present on COC		✓		
Chain of Custody Relinquished	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC:	✓			5.
-Includes date/time/ID Matrix:	WT			
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:	✓			8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used	✓			
Containers Intact:	✓			11.
Orthophosphate field filtered:			✓	12.
Hex Cr Aqueous samples field filtered:			✓	13.
Organic Samples checked for dechlorination			✓	14:
Filtered volume received for dissolved tests:			✓	15:
All containers checked for preservation:		✓		16.
exceptions: (VOA), coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix				
All containers meet method preservation requirements:	✓			Initial when completed: [illegible] Date/Time of Preservation:
				Lot# of added Preservative:
8260C/D: Headspace in VOA Vials (> 6mm)		✓		17.
624.1: Headspace in VOA Vials (0mm)			✓	18.
Trip Blank Present:	✓			Trip blank custody seal present? (YES) or NO
Rad Samples Screened <0.5 mrem/hr.	✓			Initial when completed: [illegible] Date: 2-7-23 Survey Meter SN: 1503

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

April 06, 2023

GeoLogic NY, P.C.
Geologic NY
37 Copeland Avenue
Homer, NY 13077

RE: Project: Winatic
Pace Project No.: 30571653

Dear GeoLogic NY, P.C.:

Enclosed are the analytical results for sample(s) received by the laboratory on March 21, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Justin P. Horn for
Skyler C. Richmond
skyler.richmond@pacelabs.com
(724)850-5600
Project Manager

Enclosures

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: Winatic
Pace Project No.: 30571653

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: Winatic
Pace Project No.: 30571653

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30571653001	**System Influent**	Water	03/17/23 09:00	03/21/23 10:15
30571653002	**System Middle**	Water	03/17/23 08:58	03/21/23 10:15
30571653003	**System Effluent**	Water	03/17/23 08:55	03/21/23 10:15

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: Winatic
Pace Project No.: 30571653

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30571653001	**System Influent**	EPA 8260C	JAS	52	PASI-PA
30571653002	**System Middle**	EPA 8260C	JAS	52	PASI-PA
30571653003	**System Effluent**	EPA 8260C	JAS	52	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: Winatic
Pace Project No.: 30571653

Date: April 06, 2023

COC was lost after receipt, copy was received by the client on 4/5/23.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: Winatic
Pace Project No.: 30571653

Method: **EPA 8260C**
Description: 8260C MSV
Client: GeoLogic NY, P.C.
Date: April 06, 2023

General Information:
3 samples were analyzed for EPA 8260C by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

QC Batch: 575498

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- BLANK (Lab ID: 2794485)
  - Bromomethane
- LCS (Lab ID: 2794486)
  - Bromomethane
- MS (Lab ID: 2795135)
  - Bromomethane
- MSD (Lab ID: 2795136)
  - Bromomethane
- System Effluent (Lab ID: 30571653003)
  - Bromomethane
- System Influent (Lab ID: 30571653001)
  - Bromomethane
- System Middle (Lab ID: 30571653002)
  - Bromomethane

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

QC Batch: 575498

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- BLANK (Lab ID: 2794485)
  - Styrene
- LCS (Lab ID: 2794486)
  - Styrene
- MS (Lab ID: 2795135)
  - Styrene
- MSD (Lab ID: 2795136)
  - Styrene
- System Effluent (Lab ID: 30571653003)
  - Styrene
- System Influent (Lab ID: 30571653001)
  - Styrene

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: Winatic
Pace Project No.: 30571653

Method: **EPA 8260C**
Description: 8260C MSV
Client: GeoLogic NY, P.C.
Date: April 06, 2023

QC Batch: 575498

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
- System Middle (Lab ID: 30571653002)
  - Styrene

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
- BLANK (Lab ID: 2794485)
  - Carbon disulfide
- LCS (Lab ID: 2794486)
  - Carbon disulfide
- MS (Lab ID: 2795135)
  - Carbon disulfide
- MSD (Lab ID: 2795136)
  - Carbon disulfide
- System Effluent (Lab ID: 30571653003)
  - Carbon disulfide
- System Influent (Lab ID: 30571653001)
  - Carbon disulfide
- System Middle (Lab ID: 30571653002)
  - Carbon disulfide

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 575498

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30569713002

MH: Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
- MSD (Lab ID: 2795136)
  - Bromomethane

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Winatic
Pace Project No.: 30571653

Sample: System Influent **Lab ID: 30571653001** Collected: 03/17/23 09:00 Received: 03/21/23 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Acetone	ND	ug/L	10.0	1		03/22/23 18:28	67-64-1	
Benzene	ND	ug/L	1.0	1		03/22/23 18:28	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/22/23 18:28	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/22/23 18:28	75-27-4	
Bromoform	ND	ug/L	4.0	1		03/22/23 18:28	75-25-2	
Bromomethane	ND	ug/L	4.0	1		03/22/23 18:28	74-83-9	IL
TOTAL BTEX	ND	ug/L	6.0	1		03/22/23 18:28		
2-Butanone (MEK)	ND	ug/L	10.0	1		03/22/23 18:28	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		03/22/23 18:28	75-15-0	CL
Carbon tetrachloride	ND	ug/L	1.0	1		03/22/23 18:28	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/22/23 18:28	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/22/23 18:28	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/22/23 18:28	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/22/23 18:28	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/22/23 18:28	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/22/23 18:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		03/22/23 18:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/22/23 18:28	106-46-7	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/22/23 18:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/22/23 18:28	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		03/22/23 18:28	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/22/23 18:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/22/23 18:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/22/23 18:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/22/23 18:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/22/23 18:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/22/23 18:28	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		03/22/23 18:28	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		03/22/23 18:28	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		03/22/23 18:28	98-82-8	
Methylene Chloride	ND	ug/L	1.0	1		03/22/23 18:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		03/22/23 18:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/22/23 18:28	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		03/22/23 18:28	91-20-3	
Styrene	ND	ug/L	1.0	1		03/22/23 18:28	100-42-5	CH
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/22/23 18:28	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/22/23 18:28	127-18-4	
Toluene	ND	ug/L	1.0	1		03/22/23 18:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	4.0	1		03/22/23 18:28	87-61-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/22/23 18:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/22/23 18:28	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/22/23 18:28	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		03/22/23 18:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		03/22/23 18:28	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		03/22/23 18:28	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		03/22/23 18:28	1330-20-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Winatic
Pace Project No.: 30571653

Sample: System Influent **Lab ID: 30571653001** Collected: 03/17/23 09:00 Received: 03/21/23 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
m&p-Xylene	ND	ug/L	2.0	1		03/22/23 18:28	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/22/23 18:28	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	93	%.	70-130	1		03/22/23 18:28	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130	1		03/22/23 18:28	17060-07-0	
Toluene-d8 (S)	98	%.	70-130	1		03/22/23 18:28	2037-26-5	
Dibromofluoromethane (S)	95	%.	70-130	1		03/22/23 18:28	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Winatic
Pace Project No.: 30571653

Sample: System Middle **Lab ID: 30571653002** Collected: 03/17/23 08:58 Received: 03/21/23 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Acetone	ND	ug/L	10.0	1		03/22/23 16:22	67-64-1	
Benzene	ND	ug/L	1.0	1		03/22/23 16:22	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/22/23 16:22	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/22/23 16:22	75-27-4	
Bromoform	ND	ug/L	4.0	1		03/22/23 16:22	75-25-2	
Bromomethane	ND	ug/L	4.0	1		03/22/23 16:22	74-83-9	IL
TOTAL BTEX	ND	ug/L	6.0	1		03/22/23 16:22		
2-Butanone (MEK)	ND	ug/L	10.0	1		03/22/23 16:22	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		03/22/23 16:22	75-15-0	CL
Carbon tetrachloride	ND	ug/L	1.0	1		03/22/23 16:22	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/22/23 16:22	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/22/23 16:22	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/22/23 16:22	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/22/23 16:22	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/22/23 16:22	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/22/23 16:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		03/22/23 16:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/22/23 16:22	106-46-7	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/22/23 16:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/22/23 16:22	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		03/22/23 16:22	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/22/23 16:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/22/23 16:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/22/23 16:22	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/22/23 16:22	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/22/23 16:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/22/23 16:22	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		03/22/23 16:22	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		03/22/23 16:22	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		03/22/23 16:22	98-82-8	
Methylene Chloride	ND	ug/L	1.0	1		03/22/23 16:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		03/22/23 16:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/22/23 16:22	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		03/22/23 16:22	91-20-3	
Styrene	ND	ug/L	1.0	1		03/22/23 16:22	100-42-5	CH
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/22/23 16:22	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/22/23 16:22	127-18-4	
Toluene	ND	ug/L	1.0	1		03/22/23 16:22	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	4.0	1		03/22/23 16:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/22/23 16:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/22/23 16:22	79-00-5	
Trichloroethene	**107**	ug/L	1.0	1		03/22/23 16:22	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		03/22/23 16:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		03/22/23 16:22	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		03/22/23 16:22	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		03/22/23 16:22	1330-20-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Winatic
Pace Project No.: 30571653

Sample: System Middle **Lab ID: 30571653002** Collected: 03/17/23 08:58 Received: 03/21/23 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
m&p-Xylene	ND	ug/L	2.0	1		03/22/23 16:22	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/22/23 16:22	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	95	%.	70-130	1		03/22/23 16:22	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130	1		03/22/23 16:22	17060-07-0	
Toluene-d8 (S)	99	%.	70-130	1		03/22/23 16:22	2037-26-5	
Dibromofluoromethane (S)	92	%.	70-130	1		03/22/23 16:22	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Winatic
Pace Project No.: 30571653

Sample: System Effluent **Lab ID: 30571653003** Collected: 03/17/23 08:55 Received: 03/21/23 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Acetone	ND	ug/L	10.0	1		03/22/23 15:57	67-64-1	
Benzene	ND	ug/L	1.0	1		03/22/23 15:57	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/22/23 15:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/22/23 15:57	75-27-4	
Bromoform	ND	ug/L	4.0	1		03/22/23 15:57	75-25-2	
Bromomethane	ND	ug/L	4.0	1		03/22/23 15:57	74-83-9	IL
TOTAL BTEX	ND	ug/L	6.0	1		03/22/23 15:57		
2-Butanone (MEK)	ND	ug/L	10.0	1		03/22/23 15:57	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		03/22/23 15:57	75-15-0	CL
Carbon tetrachloride	ND	ug/L	1.0	1		03/22/23 15:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/22/23 15:57	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/22/23 15:57	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/22/23 15:57	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/22/23 15:57	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		03/22/23 15:57	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/22/23 15:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		03/22/23 15:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/22/23 15:57	106-46-7	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/22/23 15:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/22/23 15:57	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		03/22/23 15:57	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/22/23 15:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/22/23 15:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/22/23 15:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/22/23 15:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/22/23 15:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/22/23 15:57	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		03/22/23 15:57	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		03/22/23 15:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		03/22/23 15:57	98-82-8	
Methylene Chloride	ND	ug/L	1.0	1		03/22/23 15:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		03/22/23 15:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/22/23 15:57	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		03/22/23 15:57	91-20-3	
Styrene	ND	ug/L	1.0	1		03/22/23 15:57	100-42-5	CH
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/22/23 15:57	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/22/23 15:57	127-18-4	
Toluene	ND	ug/L	1.0	1		03/22/23 15:57	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	4.0	1		03/22/23 15:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/22/23 15:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/22/23 15:57	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/22/23 15:57	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		03/22/23 15:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		03/22/23 15:57	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		03/22/23 15:57	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		03/22/23 15:57	1330-20-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Winatic
Pace Project No.: 30571653

Sample: System Effluent **Lab ID: 30571653003** Collected: 03/17/23 08:55 Received: 03/21/23 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
m&p-Xylene	ND	ug/L	2.0	1		03/22/23 15:57	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/22/23 15:57	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%.	70-130	1		03/22/23 15:57	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130	1		03/22/23 15:57	17060-07-0	
Toluene-d8 (S)	98	%.	70-130	1		03/22/23 15:57	2037-26-5	
Dibromofluoromethane (S)	93	%.	70-130	1		03/22/23 15:57	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Winatic
Pace Project No.: 30571653

QC Batch: 575498
QC Batch Method: EPA 8260C
Analysis Method: EPA 8260C
Analysis Description: 8260C MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30571653001, 30571653002, 30571653003

METHOD BLANK: 2794485 Matrix: Water
Associated Lab Samples: 30571653001, 30571653002, 30571653003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	03/22/23 10:31	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	03/22/23 10:31	
1,1,2-Trichloroethane	ug/L	ND	1.0	03/22/23 10:31	
1,1-Dichloroethane	ug/L	ND	1.0	03/22/23 10:31	
1,1-Dichloroethene	ug/L	ND	1.0	03/22/23 10:31	
1,2,3-Trichlorobenzene	ug/L	ND	4.0	03/22/23 10:31	
1,2,4-Trichlorobenzene	ug/L	ND	4.0	03/22/23 10:31	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	03/22/23 10:31	
1,2-Dichlorobenzene	ug/L	ND	1.0	03/22/23 10:31	
1,2-Dichloroethane	ug/L	ND	1.0	03/22/23 10:31	
1,2-Dichloroethene (Total)	ug/L	ND	2.0	03/22/23 10:31	
1,2-Dichloropropane	ug/L	ND	1.0	03/22/23 10:31	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	03/22/23 10:31	
1,3-Dichlorobenzene	ug/L	ND	1.0	03/22/23 10:31	
1,4-Dichlorobenzene	ug/L	ND	1.0	03/22/23 10:31	
2-Butanone (MEK)	ug/L	ND	10.0	03/22/23 10:31	
2-Hexanone	ug/L	ND	10.0	03/22/23 10:31	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	03/22/23 10:31	
Acetone	ug/L	ND	10.0	03/22/23 10:31	
Benzene	ug/L	ND	1.0	03/22/23 10:31	
Bromochloromethane	ug/L	ND	1.0	03/22/23 10:31	
Bromodichloromethane	ug/L	ND	1.0	03/22/23 10:31	
Bromoform	ug/L	ND	4.0	03/22/23 10:31	
Bromomethane	ug/L	ND	4.0	03/22/23 10:31	IL
Carbon disulfide	ug/L	ND	1.0	03/22/23 10:31	CL
Carbon tetrachloride	ug/L	ND	1.0	03/22/23 10:31	
Chlorobenzene	ug/L	ND	1.0	03/22/23 10:31	
Chloroethane	ug/L	ND	1.0	03/22/23 10:31	
Chloroform	ug/L	ND	1.0	03/22/23 10:31	
Chloromethane	ug/L	ND	1.0	03/22/23 10:31	
cis-1,2-Dichloroethene	ug/L	ND	1.0	03/22/23 10:31	
cis-1,3-Dichloropropene	ug/L	ND	1.0	03/22/23 10:31	
Dibromochloromethane	ug/L	ND	1.0	03/22/23 10:31	
Ethylbenzene	ug/L	ND	1.0	03/22/23 10:31	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	03/22/23 10:31	
m&p-Xylene	ug/L	ND	2.0	03/22/23 10:31	
Methyl-tert-butyl ether	ug/L	ND	1.0	03/22/23 10:31	
Methylene Chloride	ug/L	ND	1.0	03/22/23 10:31	
Naphthalene	ug/L	ND	4.0	03/22/23 10:31	
o-Xylene	ug/L	ND	1.0	03/22/23 10:31	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Winatic
Pace Project No.: 30571653

METHOD BLANK: 2794485 Matrix: Water
Associated Lab Samples: 30571653001, 30571653002, 30571653003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Styrene	ug/L	ND	1.0	03/22/23 10:31	CH
Tetrachloroethene	ug/L	ND	1.0	03/22/23 10:31	
Toluene	ug/L	ND	1.0	03/22/23 10:31	
TOTAL BTEX	ug/L	ND	6.0	03/22/23 10:31	
trans-1,2-Dichloroethene	ug/L	ND	1.0	03/22/23 10:31	
trans-1,3-Dichloropropene	ug/L	ND	1.0	03/22/23 10:31	
Trichloroethene	ug/L	ND	1.0	03/22/23 10:31	
Vinyl chloride	ug/L	ND	1.0	03/22/23 10:31	
Xylene (Total)	ug/L	ND	3.0	03/22/23 10:31	
1,2-Dichloroethane-d4 (S)	%.	100	70-130	03/22/23 10:31	
4-Bromofluorobenzene (S)	%.	93	70-130	03/22/23 10:31	
Dibromofluoromethane (S)	%.	91	70-130	03/22/23 10:31	
Toluene-d8 (S)	%.	99	70-130	03/22/23 10:31	

LABORATORY CONTROL SAMPLE: 2794486

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	24.0	120	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.9	99	70-130	
1,1,2-Trichloroethane	ug/L	20	21.2	106	70-130	
1,1-Dichloroethane	ug/L	20	21.9	110	70-130	
1,1-Dichloroethene	ug/L	20	21.5	108	45-130	
1,2,3-Trichlorobenzene	ug/L	20	22.6	113	56-145	
1,2,4-Trichlorobenzene	ug/L	20	21.6	108	61-151	
1,2,4-Trimethylbenzene	ug/L	20	22.0	110	70-130	
1,2-Dichlorobenzene	ug/L	20	19.9	99	70-130	
1,2-Dichloroethane	ug/L	20	20.9	104	64-130	
1,2-Dichloroethene (Total)	ug/L	40	43.1	108	70-130	
1,2-Dichloropropane	ug/L	20	21.4	107	70-130	
1,3,5-Trimethylbenzene	ug/L	20	21.2	106	70-130	
1,3-Dichlorobenzene	ug/L	20	20.9	104	70-130	
1,4-Dichlorobenzene	ug/L	20	19.9	100	70-130	
2-Butanone (MEK)	ug/L	20	17.2	86	55-143	
2-Hexanone	ug/L	20	18.6	93	56-138	
4-Methyl-2-pentanone (MIBK)	ug/L	20	21.5	108	62-136	
Acetone	ug/L	20	16.5	83	10-175	
Benzene	ug/L	20	21.3	106	70-130	
Bromochloromethane	ug/L	20	19.0	95	70-130	
Bromodichloromethane	ug/L	20	20.8	104	70-130	
Bromoform	ug/L	20	19.1	95	58-130	
Bromomethane	ug/L	20	22.7	114	10-151	IL
Carbon disulfide	ug/L	20	16.7	83	46-156	CL
Carbon tetrachloride	ug/L	20	21.8	109	70-130	
Chlorobenzene	ug/L	20	21.9	110	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Winatic
Pace Project No.: 30571653

LABORATORY CONTROL SAMPLE: 2794486

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	20	19.5	97	36-168	
Chloroform	ug/L	20	19.1	95	70-130	
Chloromethane	ug/L	20	22.3	111	43-134	
cis-1,2-Dichloroethene	ug/L	20	19.9	100	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.9	110	70-130	
Dibromochloromethane	ug/L	20	20.9	104	70-130	
Ethylbenzene	ug/L	20	22.1	111	63-135	
Isopropylbenzene (Cumene)	ug/L	20	24.4	122	70-130	
m&p-Xylene	ug/L	40	43.9	110	70-130	
Methyl-tert-butyl ether	ug/L	20	18.2	91	63-130	
Methylene Chloride	ug/L	20	22.1	110	70-130	
Naphthalene	ug/L	20	21.6	108	30-166	
o-Xylene	ug/L	20	21.6	108	70-130	
Styrene	ug/L	20	23.6	118	70-130	CH
Tetrachloroethene	ug/L	20	23.1	116	70-130	
Toluene	ug/L	20	21.9	109	70-130	
TOTAL BTEX	ug/L	120	131	109	70-130	
trans-1,2-Dichloroethene	ug/L	20	23.2	116	70-130	
trans-1,3-Dichloropropene	ug/L	20	22.7	113	70-130	
Trichloroethene	ug/L	20	21.3	107	70-130	
Vinyl chloride	ug/L	20	23.3	117	56-132	
Xylene (Total)	ug/L	60	65.6	109	70-130	
1,2-Dichloroethane-d4 (S)	%.			90	70-130	
4-Bromofluorobenzene (S)	%.			100	70-130	
Dibromofluoromethane (S)	%.			92	70-130	
Toluene-d8 (S)	%.			107	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2795135 2795136

Parameter	Units	30569713002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	24.1	24.6	120	123	34-164	2	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20.0	21.0	100	105	49-142	5	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	21.5	22.3	107	112	46-143	4	30	
1,1-Dichloroethane	ug/L	ND	20	20	22.0	22.9	110	115	10-130	4	30	
1,1-Dichloroethene	ug/L	ND	20	20	22.3	23.7	112	119	30-132	6	30	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	17.9	20.5	89	102	33-130	14	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	18.6	20.6	93	103	36-130	10	30	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	21.1	22.3	105	111	45-139	6	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	20.0	21.5	100	107	50-130	7	30	
1,2-Dichloroethane	ug/L	ND	20	20	20.8	20.9	104	105	49-135	1	30	
1,2-Dichloroethene (Total)	ug/L	ND	40	40	42.4	44.4	106	111	10-175	5	30	
1,2-Dichloropropane	ug/L	ND	20	20	21.0	21.8	105	109	44-149	4	30	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	20.7	21.8	104	109	45-134	5	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	20.7	22.3	104	112	54-130	7	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Winatic
Pace Project No.: 30571653

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2795135 2795136

Parameter	Units	30569713002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dichlorobenzene	ug/L	ND	20	20	19.7	21.2	98	106	49-130	7	30	
2-Butanone (MEK)	ug/L	ND	20	20	22.6	20.7	106	96	38-156	9	30	
2-Hexanone	ug/L	ND	20	20	20.5	21.3	103	107	39-162	4	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	22.7	23.7	113	119	41-159	5	30	
Acetone	ug/L	ND	20	20	31.6	31.9	117	118	27-130	1	30	
Benzene	ug/L	ND	20	20	20.8	22.0	104	110	17-162	6	30	
Bromochloromethane	ug/L	ND	20	20	18.6	19.6	93	98	44-143	5	30	
Bromodichloromethane	ug/L	ND	20	20	20.6	22.2	101	109	50-139	8	30	
Bromoform	ug/L	ND	20	20	18.1	19.6	91	98	36-134	8	30	
Bromomethane	ug/L	ND	20	20	23.9	28.5	119	142	10-130	18	30	IL,MH
Carbon disulfide	ug/L	ND	20	20	16.9	13.8	85	69	59-138	20	30	CL
Carbon tetrachloride	ug/L	ND	20	20	23.2	23.9	116	119	46-140	3	30	
Chlorobenzene	ug/L	ND	20	20	22.0	22.9	110	114	52-133	4	30	
Chloroethane	ug/L	ND	20	20	20.6	21.6	103	108	15-175	5	30	
Chloroform	ug/L	ND	20	20	20.0	20.9	97	102	46-131	5	30	
Chloromethane	ug/L	ND	20	20	22.8	24.2	114	121	28-152	6	30	
cis-1,2-Dichloroethene	ug/L	ND	20	20	18.9	19.8	95	99	10-175	4	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	20.6	20.6	103	103	42-137	0	30	
Dibromochloromethane	ug/L	ND	20	20	20.7	20.5	104	102	42-132	1	30	
Ethylbenzene	ug/L	ND	20	20	22.2	23.2	111	116	51-132	4	30	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	23.4	24.6	117	123	54-147	5	30	
m&p-Xylene	ug/L	ND	40	40	45.5	48.2	114	120	51-130	6	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	17.5	17.1	87	86	24-144	2	30	
Methylene Chloride	ug/L	ND	20	20	21.2	22.0	106	110	35-150	4	30	
Naphthalene	ug/L	ND	20	20	17.2	19.5	86	98	13-168	13	30	
o-Xylene	ug/L	ND	20	20	21.8	22.3	109	112	51-130	2	30	
Styrene	ug/L	ND	20	20	23.4	24.5	117	122	48-138	4	30	CH
Tetrachloroethene	ug/L	ND	20	20	24.4	24.8	122	124	10-175	2	30	
Toluene	ug/L	ND	20	20	23.2	23.9	114	118	52-131	3	30	
TOTAL BTEX	ug/L	ND	120	120	134	140	111	116	50-149	4	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	23.4	24.6	117	123	40-135	5	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	22.9	23.1	114	116	45-132	1	30	
Trichloroethene	ug/L	ND	20	20	21.0	22.4	105	112	10-175	6	30	
Vinyl chloride	ug/L	ND	20	20	23.2	24.6	116	123	10-175	5	30	
Xylene (Total)	ug/L	ND	60	60	67.3	70.5	112	117	51-130	5	30	
1,2-Dichloroethane-d4 (S)	%.						88	92	70-130			
4-Bromofluorobenzene (S)	%.						96	98	70-130			
Dibromofluoromethane (S)	%.						89	86	70-130			
Toluene-d8 (S)	%.						107	104	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Winatic
Pace Project No.: 30571653

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 30571653

[1]	COC was lost after receipt, copy was received by the client on 4/5/23.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Winatic
Pace Project No.: 30571653

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30571653001	**System Influent**	EPA 8260C	575498		
30571653002	**System Middle**	EPA 8260C	575498		
30571653003	**System Effluent**	EPA 8260C	575498		

Pace Analytical
www.pacelabs.com

WO# 30571653
COC received from client via email
JPH 4/6/23

CHAIN-OF-CUSTODY / Analytical Request Document

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: / of /

REGULATORY AGENCY

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

Site Location STATE: NY

Section D — Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	EPA Method 8260	Target Compound List	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	System Influent	WT	G			03/17/23	9:00		3				3					X				
2	System Middle	WT	G			03/17/23	8:58		3				3					X				
3	System Effluent	WT	G			03/17/23	8:55		3				3					X				
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS

ip Black for lab use : No Charge

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
/ GeoLogic	3/17/23	14:00	GeoLogic Sample Frig	3/17/23	14:00
GeoLogic Sample Frig	3/20/23	1310		3/20/23	1310
	3/20/23	1320			

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joseph Menzel

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 3/17/23

*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.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

April 20, 2023

GeoLogic NY, P.C.
Geologic NY
37 Copeland Avenue
Homer, NY 13077

RE: Project: Winatic
Pace Project No.: 30576804

Dear GeoLogic NY, P.C.:

Enclosed are the analytical results for sample(s) received by the laboratory on April 07, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Skyler C. Richmond
skyler.richmond@pacelabs.com
(724)850-5600
Project Manager

Enclosures

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: Winatic
Pace Project No.: 30576804

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: Winatic
Pace Project No.: 30576804

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30576804001	**System Influent**	Water	04/05/23 12:40	04/07/23 09:45
30576804002	**System Middle**	Water	04/05/23 12:45	04/07/23 09:45
30576804003	**System Effluent**	Water	04/05/23 12:50	04/07/23 09:45
30576804004	**Trip Blank**	Water	04/05/23 00:01	04/07/23 09:45

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: Winatic
Pace Project No.: 30576804

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30576804001	**System Influent**	EPA 8260C	JAS	56	PASI-PA
30576804002	**System Middle**	EPA 8260C	JAS	56	PASI-PA
30576804003	**System Effluent**	EPA 8260C	JAS	56	PASI-PA
30576804004	**Trip Blank**	EPA 8260C	JAS	56	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: Winatic
Pace Project No.: 30576804

Method: **EPA 8260C**
Description: 8260C MSV
Client: GeoLogic NY, P.C.
Date: April 20, 2023

General Information:
4 samples were analyzed for EPA 8260C by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

QC Batch: 581360

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- BLANK (Lab ID: 2823538)
  - 1,1-Dichloroethene
  - Acetone
- LCS (Lab ID: 2823539)
  - 1,1-Dichloroethene
  - Acetone
- MS (Lab ID: 2824119)
  - 1,1-Dichloroethene
  - Acetone
- MSD (Lab ID: 2824120)
  - 1,1-Dichloroethene
  - Acetone
- System Effluent (Lab ID: 30576804003)
  - 1,1-Dichloroethene
  - Acetone
  - Bromomethane
- System Influent (Lab ID: 30576804001)
  - 1,1-Dichloroethene
  - Acetone
- System Middle (Lab ID: 30576804002)
  - 1,1-Dichloroethene
  - Acetone
- Trip Blank (Lab ID: 30576804004)
  - 1,1-Dichloroethene
  - Acetone

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 2823538)
  - Bromomethane
- LCS (Lab ID: 2823539)

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PROJECT NARRATIVE

Project: Winatic
Pace Project No.: 30576804

Method: **EPA 8260C**
Description: 8260C MSV
Client: GeoLogic NY, P.C.
Date: April 20, 2023

QC Batch: 581360

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- Bromomethane
- MS (Lab ID: 2824119)
  - Bromomethane
- MSD (Lab ID: 2824120)
  - Bromomethane
- System Influent (Lab ID: 30576804001)
  - Bromomethane
- System Middle (Lab ID: 30576804002)
  - Bromomethane
- Trip Blank (Lab ID: 30576804004)
  - Bromomethane

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 581360

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 2823539)
  - 1,1-Dichloroethene

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 581360

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30576804003

MH: Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.

- MS (Lab ID: 2824119)
  - Bromomethane
- MSD (Lab ID: 2824120)
  - 1,1-Dichloroethene
  - Bromomethane

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Winatic
Pace Project No.: 30576804

Method: **EPA 8260C**
Description: 8260C MSV
Client: GeoLogic NY, P.C.
Date: April 20, 2023

Analyte Comments:

QC Batch: 581360

1c: This compound did not meet the recomended minimum RF in the ICAL.

- LCS (Lab ID: 2823539)
  - Trichloroethene
- MS (Lab ID: 2824119)
  - Trichloroethene
- MSD (Lab ID: 2824120)
  - Trichloroethene
- System Effluent (Lab ID: 30576804003)
  - Trichloroethene
- System Influent (Lab ID: 30576804001)
  - Trichloroethene
- System Middle (Lab ID: 30576804002)
  - Trichloroethene
- Trip Blank (Lab ID: 30576804004)
  - Trichloroethene

2c: This compound did not meet the recomended minimum RF in the ICAL.

- BLANK (Lab ID: 2823538)
  - Trichloroethene

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Winatic
Pace Project No.: 30576804

Sample: System Influent **Lab ID: 30576804001** Collected: 04/05/23 12:40 Received: 04/07/23 09:45 Matrix: Water

Comments: • Sample dates/times on containers don't match COC.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Acetone	ND	ug/L	10.0	1		04/17/23 13:13	67-64-1	CH
Benzene	ND	ug/L	1.0	1		04/17/23 13:13	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		04/17/23 13:13	75-27-4	
Bromoform	ND	ug/L	4.0	1		04/17/23 13:13	75-25-2	
Bromomethane	ND	ug/L	4.0	1		04/17/23 13:13	74-83-9	CL
TOTAL BTEX	ND	ug/L	6.0	1		04/17/23 13:13		
2-Butanone (MEK)	ND	ug/L	10.0	1		04/17/23 13:13	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		04/17/23 13:13	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		04/17/23 13:13	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		04/17/23 13:13	98-06-6	
Carbon disulfide	ND	ug/L	1.0	1		04/17/23 13:13	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		04/17/23 13:13	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		04/17/23 13:13	108-90-7	
Chloroethane	ND	ug/L	1.0	1		04/17/23 13:13	75-00-3	
Chloroform	ND	ug/L	1.0	1		04/17/23 13:13	67-66-3	
Chloromethane	ND	ug/L	1.0	1		04/17/23 13:13	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		04/17/23 13:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		04/17/23 13:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		04/17/23 13:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		04/17/23 13:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		04/17/23 13:13	106-46-7	
1,1-Dichloroethane	ND	ug/L	1.0	1		04/17/23 13:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		04/17/23 13:13	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		04/17/23 13:13	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		04/17/23 13:13	75-35-4	CH,L1
cis-1,2-Dichloroethene	**1.5**	ug/L	1.0	1		04/17/23 13:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		04/17/23 13:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		04/17/23 13:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		04/17/23 13:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		04/17/23 13:13	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		04/17/23 13:13	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		04/17/23 13:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		04/17/23 13:13	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		04/17/23 13:13	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		04/17/23 13:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		04/17/23 13:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		04/17/23 13:13	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		04/17/23 13:13	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		04/17/23 13:13	103-65-1	
Styrene	ND	ug/L	1.0	1		04/17/23 13:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		04/17/23 13:13	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		04/17/23 13:13	127-18-4	
Toluene	ND	ug/L	1.0	1		04/17/23 13:13	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		04/17/23 13:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		04/17/23 13:13	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Winatic
Pace Project No.: 30576804

Sample: System Influent **Lab ID: 30576804001** Collected: 04/05/23 12:40 Received: 04/07/23 09:45 Matrix: Water

Comments: • Sample dates/times on containers don't match COC.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Trichloroethene	**216**	ug/L	1.0	1		04/17/23 13:13	79-01-6	1c
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		04/17/23 13:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		04/17/23 13:13	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		04/17/23 13:13	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		04/17/23 13:13	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		04/17/23 13:13	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		04/17/23 13:13	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%.	70-130	1		04/17/23 13:13	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130	1		04/17/23 13:13	17060-07-0	
Toluene-d8 (S)	99	%.	70-130	1		04/17/23 13:13	2037-26-5	
Dibromofluoromethane (S)	106	%.	70-130	1		04/17/23 13:13	1868-53-7	

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ANALYTICAL RESULTS

Project: Winatic
Pace Project No.: 30576804

Sample: System Middle **Lab ID: 30576804002** Collected: 04/05/23 12:45 Received: 04/07/23 09:45 Matrix: Water

Comments: • Sample dates/times on containers don't match COC.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Acetone	ND	ug/L	10.0	1		04/17/23 13:38	67-64-1	CH
Benzene	ND	ug/L	1.0	1		04/17/23 13:38	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		04/17/23 13:38	75-27-4	
Bromoform	ND	ug/L	4.0	1		04/17/23 13:38	75-25-2	
Bromomethane	ND	ug/L	4.0	1		04/17/23 13:38	74-83-9	CL
TOTAL BTEX	ND	ug/L	6.0	1		04/17/23 13:38		
2-Butanone (MEK)	ND	ug/L	10.0	1		04/17/23 13:38	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		04/17/23 13:38	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		04/17/23 13:38	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		04/17/23 13:38	98-06-6	
Carbon disulfide	ND	ug/L	1.0	1		04/17/23 13:38	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		04/17/23 13:38	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		04/17/23 13:38	108-90-7	
Chloroethane	ND	ug/L	1.0	1		04/17/23 13:38	75-00-3	
Chloroform	ND	ug/L	1.0	1		04/17/23 13:38	67-66-3	
Chloromethane	ND	ug/L	1.0	1		04/17/23 13:38	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		04/17/23 13:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		04/17/23 13:38	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		04/17/23 13:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		04/17/23 13:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		04/17/23 13:38	106-46-7	
1,1-Dichloroethane	ND	ug/L	1.0	1		04/17/23 13:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		04/17/23 13:38	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		04/17/23 13:38	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		04/17/23 13:38	75-35-4	CH,L1
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		04/17/23 13:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		04/17/23 13:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		04/17/23 13:38	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		04/17/23 13:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		04/17/23 13:38	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		04/17/23 13:38	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		04/17/23 13:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		04/17/23 13:38	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		04/17/23 13:38	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		04/17/23 13:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		04/17/23 13:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		04/17/23 13:38	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		04/17/23 13:38	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		04/17/23 13:38	103-65-1	
Styrene	ND	ug/L	1.0	1		04/17/23 13:38	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		04/17/23 13:38	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		04/17/23 13:38	127-18-4	
Toluene	ND	ug/L	1.0	1		04/17/23 13:38	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		04/17/23 13:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		04/17/23 13:38	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Greensburg, PA 15601
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ANALYTICAL RESULTS

Project: Winatic
Pace Project No.: 30576804

Sample: System Middle **Lab ID: 30576804002** Collected: 04/05/23 12:45 Received: 04/07/23 09:45 Matrix: Water

Comments: • Sample dates/times on containers don't match COC.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Trichloroethene	ND	ug/L	1.0	1		04/17/23 13:38	79-01-6	1c
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		04/17/23 13:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		04/17/23 13:38	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		04/17/23 13:38	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		04/17/23 13:38	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		04/17/23 13:38	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		04/17/23 13:38	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%.	70-130	1		04/17/23 13:38	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130	1		04/17/23 13:38	17060-07-0	
Toluene-d8 (S)	92	%.	70-130	1		04/17/23 13:38	2037-26-5	
Dibromofluoromethane (S)	108	%.	70-130	1		04/17/23 13:38	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
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ANALYTICAL RESULTS

Project: Winatic
Pace Project No.: 30576804

Sample: System Effluent **Lab ID: 30576804003** Collected: 04/05/23 12:50 Received: 04/07/23 09:45 Matrix: Water

Comments: • Sample dates/times on containers don't match COC.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Acetone	ND	ug/L	10.0	1		04/17/23 14:03	67-64-1	CH
Benzene	ND	ug/L	1.0	1		04/17/23 14:03	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		04/17/23 14:03	75-27-4	
Bromoform	ND	ug/L	4.0	1		04/17/23 14:03	75-25-2	
Bromomethane	ND	ug/L	4.0	1		04/17/23 14:03	74-83-9	CH,MH
TOTAL BTEX	ND	ug/L	6.0	1		04/17/23 14:03		
2-Butanone (MEK)	ND	ug/L	10.0	1		04/17/23 14:03	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		04/17/23 14:03	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		04/17/23 14:03	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		04/17/23 14:03	98-06-6	
Carbon disulfide	ND	ug/L	1.0	1		04/17/23 14:03	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		04/17/23 14:03	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		04/17/23 14:03	108-90-7	
Chloroethane	ND	ug/L	1.0	1		04/17/23 14:03	75-00-3	
Chloroform	ND	ug/L	1.0	1		04/17/23 14:03	67-66-3	
Chloromethane	ND	ug/L	1.0	1		04/17/23 14:03	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		04/17/23 14:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		04/17/23 14:03	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		04/17/23 14:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		04/17/23 14:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		04/17/23 14:03	106-46-7	
1,1-Dichloroethane	ND	ug/L	1.0	1		04/17/23 14:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		04/17/23 14:03	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		04/17/23 14:03	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		04/17/23 14:03	75-35-4	CH,L1, MH
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		04/17/23 14:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		04/17/23 14:03	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		04/17/23 14:03	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		04/17/23 14:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		04/17/23 14:03	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		04/17/23 14:03	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		04/17/23 14:03	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		04/17/23 14:03	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		04/17/23 14:03	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		04/17/23 14:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		04/17/23 14:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		04/17/23 14:03	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		04/17/23 14:03	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		04/17/23 14:03	103-65-1	
Styrene	ND	ug/L	1.0	1		04/17/23 14:03	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		04/17/23 14:03	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		04/17/23 14:03	127-18-4	
Toluene	ND	ug/L	1.0	1		04/17/23 14:03	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		04/17/23 14:03	71-55-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Winatic
Pace Project No.: 30576804

Sample: System Effluent **Lab ID: 30576804003** Collected: 04/05/23 12:50 Received: 04/07/23 09:45 Matrix: Water

Comments: • Sample dates/times on containers don't match COC.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
1,1,2-Trichloroethane	ND	ug/L	1.0	1		04/17/23 14:03	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		04/17/23 14:03	79-01-6	1c
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		04/17/23 14:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		04/17/23 14:03	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		04/17/23 14:03	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		04/17/23 14:03	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		04/17/23 14:03	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		04/17/23 14:03	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%.	70-130	1		04/17/23 14:03	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%.	70-130	1		04/17/23 14:03	17060-07-0	
Toluene-d8 (S)	93	%.	70-130	1		04/17/23 14:03	2037-26-5	
Dibromofluoromethane (S)	106	%.	70-130	1		04/17/23 14:03	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Winatic
Pace Project No.: 30576804

Sample: Trip Blank **Lab ID: 30576804004** Collected: 04/05/23 00:01 Received: 04/07/23 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
Acetone	ND	ug/L	10.0	1		04/17/23 11:56	67-64-1	CH
Benzene	ND	ug/L	1.0	1		04/17/23 11:56	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		04/17/23 11:56	75-27-4	
Bromoform	ND	ug/L	4.0	1		04/17/23 11:56	75-25-2	
Bromomethane	ND	ug/L	4.0	1		04/17/23 11:56	74-83-9	CL
TOTAL BTEX	ND	ug/L	6.0	1		04/17/23 11:56		
2-Butanone (MEK)	ND	ug/L	10.0	1		04/17/23 11:56	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		04/17/23 11:56	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		04/17/23 11:56	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		04/17/23 11:56	98-06-6	
Carbon disulfide	ND	ug/L	1.0	1		04/17/23 11:56	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		04/17/23 11:56	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		04/17/23 11:56	108-90-7	
Chloroethane	ND	ug/L	1.0	1		04/17/23 11:56	75-00-3	
Chloroform	ND	ug/L	1.0	1		04/17/23 11:56	67-66-3	
Chloromethane	ND	ug/L	1.0	1		04/17/23 11:56	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		04/17/23 11:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		04/17/23 11:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		04/17/23 11:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		04/17/23 11:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		04/17/23 11:56	106-46-7	
1,1-Dichloroethane	ND	ug/L	1.0	1		04/17/23 11:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		04/17/23 11:56	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		04/17/23 11:56	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		04/17/23 11:56	75-35-4	CH,L1
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		04/17/23 11:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		04/17/23 11:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		04/17/23 11:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		04/17/23 11:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		04/17/23 11:56	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		04/17/23 11:56	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		04/17/23 11:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		04/17/23 11:56	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		04/17/23 11:56	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		04/17/23 11:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		04/17/23 11:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		04/17/23 11:56	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		04/17/23 11:56	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		04/17/23 11:56	103-65-1	
Styrene	ND	ug/L	1.0	1		04/17/23 11:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		04/17/23 11:56	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		04/17/23 11:56	127-18-4	
Toluene	ND	ug/L	1.0	1		04/17/23 11:56	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		04/17/23 11:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		04/17/23 11:56	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		04/17/23 11:56	79-01-6	1c

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Winatic
Pace Project No.: 30576804

Sample: Trip Blank **Lab ID: 30576804004** Collected: 04/05/23 00:01 Received: 04/07/23 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV	Analytical Method: EPA 8260C Pace Analytical Services - Greensburg							
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		04/17/23 11:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		04/17/23 11:56	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		04/17/23 11:56	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		04/17/23 11:56	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		04/17/23 11:56	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		04/17/23 11:56	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	102	%.	70-130	1		04/17/23 11:56	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%.	70-130	1		04/17/23 11:56	17060-07-0	
Toluene-d8 (S)	95	%.	70-130	1		04/17/23 11:56	2037-26-5	
Dibromofluoromethane (S)	105	%.	70-130	1		04/17/23 11:56	1868-53-7	

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Winatic
Pace Project No.: 30576804

QC Batch: 581360 Analysis Method: EPA 8260C
QC Batch Method: EPA 8260C Analysis Description: 8260C MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30576804001, 30576804002, 30576804003, 30576804004

METHOD BLANK: 2823538 Matrix: Water
Associated Lab Samples: 30576804001, 30576804002, 30576804003, 30576804004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	04/17/23 11:31	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/17/23 11:31	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/17/23 11:31	
1,1-Dichloroethane	ug/L	ND	1.0	04/17/23 11:31	
1,1-Dichloroethene	ug/L	ND	1.0	04/17/23 11:31	CH
1,2,4-Trimethylbenzene	ug/L	ND	1.0	04/17/23 11:31	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/17/23 11:31	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/17/23 11:31	
1,2-Dichloroethane	ug/L	ND	1.0	04/17/23 11:31	
1,2-Dichloroethene (Total)	ug/L	ND	2.0	04/17/23 11:31	
1,2-Dichloropropane	ug/L	ND	1.0	04/17/23 11:31	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	04/17/23 11:31	
1,3-Dichlorobenzene	ug/L	ND	1.0	04/17/23 11:31	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/17/23 11:31	
2-Butanone (MEK)	ug/L	ND	10.0	04/17/23 11:31	
2-Hexanone	ug/L	ND	10.0	04/17/23 11:31	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	04/17/23 11:31	
Acetone	ug/L	ND	10.0	04/17/23 11:31	CH
Benzene	ug/L	ND	1.0	04/17/23 11:31	
Bromodichloromethane	ug/L	ND	1.0	04/17/23 11:31	
Bromoform	ug/L	ND	4.0	04/17/23 11:31	
Bromomethane	ug/L	ND	4.0	04/17/23 11:31	CL
Carbon disulfide	ug/L	ND	1.0	04/17/23 11:31	
Carbon tetrachloride	ug/L	ND	1.0	04/17/23 11:31	
Chlorobenzene	ug/L	ND	1.0	04/17/23 11:31	
Chloroethane	ug/L	ND	1.0	04/17/23 11:31	
Chloroform	ug/L	ND	1.0	04/17/23 11:31	
Chloromethane	ug/L	ND	1.0	04/17/23 11:31	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/17/23 11:31	
cis-1,3-Dichloropropene	ug/L	ND	1.0	04/17/23 11:31	
Dibromochloromethane	ug/L	ND	1.0	04/17/23 11:31	
Ethylbenzene	ug/L	ND	1.0	04/17/23 11:31	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	04/17/23 11:31	
m&p-Xylene	ug/L	ND	2.0	04/17/23 11:31	
Methyl-tert-butyl ether	ug/L	ND	1.0	04/17/23 11:31	
Methylene Chloride	ug/L	ND	1.0	04/17/23 11:31	
n-Butylbenzene	ug/L	ND	1.0	04/17/23 11:31	
n-Propylbenzene	ug/L	ND	1.0	04/17/23 11:31	
Naphthalene	ug/L	ND	4.0	04/17/23 11:31	
o-Xylene	ug/L	ND	1.0	04/17/23 11:31	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Winatic
Pace Project No.: 30576804

METHOD BLANK: 2823538 Matrix: Water
Associated Lab Samples: 30576804001, 30576804002, 30576804003, 30576804004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
p-Isopropyltoluene	ug/L	ND	1.0	04/17/23 11:31	
sec-Butylbenzene	ug/L	ND	1.0	04/17/23 11:31	
Styrene	ug/L	ND	1.0	04/17/23 11:31	
tert-Butylbenzene	ug/L	ND	1.0	04/17/23 11:31	
Tetrachloroethene	ug/L	ND	1.0	04/17/23 11:31	
Toluene	ug/L	ND	1.0	04/17/23 11:31	
TOTAL BTEX	ug/L	ND	6.0	04/17/23 11:31	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/17/23 11:31	
trans-1,3-Dichloropropene	ug/L	ND	1.0	04/17/23 11:31	
Trichloroethene	ug/L	ND	1.0	04/17/23 11:31	2c
Vinyl chloride	ug/L	ND	1.0	04/17/23 11:31	
Xylene (Total)	ug/L	ND	3.0	04/17/23 11:31	
1,2-Dichloroethane-d4 (S)	%.	109	70-130	04/17/23 11:31	
4-Bromofluorobenzene (S)	%.	97	70-130	04/17/23 11:31	
Dibromofluoromethane (S)	%.	104	70-130	04/17/23 11:31	
Toluene-d8 (S)	%.	98	70-130	04/17/23 11:31	

LABORATORY CONTROL SAMPLE: 2823539

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	22.7	113	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.2	106	70-130	
1,1,2-Trichloroethane	ug/L	20	20.7	104	70-130	
1,1-Dichloroethane	ug/L	20	21.0	105	70-130	
1,1-Dichloroethene	ug/L	20	27.8	139	45-130	CH,L1
1,2,4-Trimethylbenzene	ug/L	20	21.4	107	70-130	
1,2-Dibromoethane (EDB)	ug/L	20	19.4	97	70-130	
1,2-Dichlorobenzene	ug/L	20	20.3	101	70-130	
1,2-Dichloroethane	ug/L	20	19.7	98	64-130	
1,2-Dichloroethene (Total)	ug/L	40	40.1	100	70-130	
1,2-Dichloropropane	ug/L	20	19.2	96	70-130	
1,3,5-Trimethylbenzene	ug/L	20	21.2	106	70-130	
1,3-Dichlorobenzene	ug/L	20	21.0	105	70-130	
1,4-Dichlorobenzene	ug/L	20	19.4	97	70-130	
2-Butanone (MEK)	ug/L	20	19.8	99	55-143	
2-Hexanone	ug/L	20	21.2	106	56-138	
4-Methyl-2-pentanone (MIBK)	ug/L	20	20.8	104	62-136	
Acetone	ug/L	20	24.9	124	10-175	CH
Benzene	ug/L	20	20.0	100	70-130	
Bromodichloromethane	ug/L	20	19.5	97	70-130	
Bromoform	ug/L	20	18.2	91	58-130	
Bromomethane	ug/L	20	22.4	112	10-151	CL
Carbon disulfide	ug/L	20	21.0	105	46-156	
Carbon tetrachloride	ug/L	20	20.5	103	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Winatic
Pace Project No.: 30576804

LABORATORY CONTROL SAMPLE: 2823539

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	20	20.9	104	70-130	
Chloroethane	ug/L	20	25.3	126	36-168	
Chloroform	ug/L	20	19.7	98	70-130	
Chloromethane	ug/L	20	21.3	106	43-134	
cis-1,2-Dichloroethene	ug/L	20	19.2	96	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.5	92	70-130	
Dibromochloromethane	ug/L	20	20.4	102	70-130	
Ethylbenzene	ug/L	20	20.7	103	63-135	
Isopropylbenzene (Cumene)	ug/L	20	22.1	110	70-130	
m&p-Xylene	ug/L	40	40.0	100	70-130	
Methyl-tert-butyl ether	ug/L	20	20.3	102	63-130	
Methylene Chloride	ug/L	20	19.1	95	70-130	
n-Butylbenzene	ug/L	20	19.5	98	70-130	
n-Propylbenzene	ug/L	20	20.6	103	70-130	
Naphthalene	ug/L	20	22.8	114	30-166	
o-Xylene	ug/L	20	20.8	104	70-130	
p-Isopropyltoluene	ug/L	20	21.8	109	70-130	
sec-Butylbenzene	ug/L	20	21.6	108	70-130	
Styrene	ug/L	20	21.1	105	70-130	
tert-Butylbenzene	ug/L	20	22.2	111	70-130	
Tetrachloroethene	ug/L	20	20.6	103	70-130	
Toluene	ug/L	20	21.2	106	70-130	
TOTAL BTEX	ug/L	120	123	102	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.9	104	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.1	101	70-130	
Trichloroethene	ug/L	20	19.2	96	70-130	1c
Vinyl chloride	ug/L	20	25.5	128	56-132	
Xylene (Total)	ug/L	60	60.7	101	70-130	
1,2-Dichloroethane-d4 (S)	%.			98	70-130	
4-Bromofluorobenzene (S)	%.			106	70-130	
Dibromofluoromethane (S)	%.			96	70-130	
Toluene-d8 (S)	%.			104	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2824119 2824120

Parameter	Units	30576804003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	19.8	19.6	99	98	34-164	1	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	16.7	17.0	84	85	49-142	2	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	17.1	16.4	85	82	46-143	4	30	
1,1-Dichloroethane	ug/L	ND	20	20	17.9	17.8	89	89	10-130	1	30	
1,1-Dichloroethene	ug/L	ND	20	20	23.7	27.8	119	139	30-132	16	30	CH,MH
1,2,4-Trimethylbenzene	ug/L	ND	20	20	17.7	18.1	89	91	45-139	2	30	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	16.6	16.3	83	81	50-132	2	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	16.5	17.0	83	85	50-130	3	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Winatic
Pace Project No.: 30576804

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2824119 2824120

Parameter	Units	30576804003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	16.6	17.0	83	85	49-135	3	30	
1,2-Dichloroethene (Total)	ug/L	ND	40	40	33.5	34.0	84	85	10-175	2	30	
1,2-Dichloropropane	ug/L	ND	20	20	16.3	16.3	81	82	44-149	0	30	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	17.9	18.2	89	91	45-134	2	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	18.0	17.3	90	86	54-130	4	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	16.9	16.4	85	82	49-130	3	30	
2-Butanone (MEK)	ug/L	ND	20	20	17.9	17.8	90	89	38-156	1	30	
2-Hexanone	ug/L	ND	20	20	16.7	16.3	83	82	39-162	2	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	16.3	16.7	82	83	41-159	2	30	
Acetone	ug/L	ND	20	20	22.8	23.0	114	115	27-130	1	30	CH
Benzene	ug/L	ND	20	20	17.8	17.8	89	89	17-162	0	30	
Bromodichloromethane	ug/L	ND	20	20	16.1	16.3	80	82	50-139	2	30	
Bromoform	ug/L	ND	20	20	16.2	15.1	81	76	36-134	7	30	
Bromomethane	ug/L	ND	20	20	27.3	29.5	136	147	10-130	8	30	CL,MH
Carbon disulfide	ug/L	ND	20	20	18.5	21.2	92	106	59-138	14	30	
Carbon tetrachloride	ug/L	ND	20	20	20.0	20.5	100	103	46-140	3	30	
Chlorobenzene	ug/L	ND	20	20	18.1	17.6	91	88	52-133	3	30	
Chloroethane	ug/L	ND	20	20	26.0	30.0	130	150	15-175	14	30	
Chloroform	ug/L	ND	20	20	16.3	17.2	82	86	46-131	6	30	
Chloromethane	ug/L	ND	20	20	18.3	18.8	91	94	28-152	3	30	
cis-1,2-Dichloroethene	ug/L	ND	20	20	16.3	16.4	82	82	10-175	1	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	15.3	16.0	76	80	42-137	5	30	
Dibromochloromethane	ug/L	ND	20	20	16.8	16.1	84	81	42-132	4	30	
Ethylbenzene	ug/L	ND	20	20	18.9	17.9	95	90	51-132	5	30	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	18.4	19.0	92	95	54-147	3	30	
m&p-Xylene	ug/L	ND	40	40	34.9	34.6	87	87	51-130	1	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	15.2	16.3	76	81	24-144	7	30	
Methylene Chloride	ug/L	ND	20	20	15.8	17.7	79	89	35-150	11	30	
n-Butylbenzene	ug/L	ND	20	20	17.2	16.9	86	84	30-138	2	30	
n-Propylbenzene	ug/L	ND	20	20	17.5	17.7	87	88	43-140	1	30	
Naphthalene	ug/L	ND	20	20	21.4	20.8	107	104	13-168	3	30	
o-Xylene	ug/L	ND	20	20	17.5	17.9	88	89	51-130	2	30	
p-Isopropyltoluene	ug/L	ND	20	20	19.2	18.6	96	93	37-139	3	30	
sec-Butylbenzene	ug/L	ND	20	20	18.7	18.7	94	94	47-137	0	30	
Styrene	ug/L	ND	20	20	17.7	16.9	89	84	48-138	5	30	
tert-Butylbenzene	ug/L	ND	20	20	18.9	18.9	95	94	46-141	0	30	
Tetrachloroethene	ug/L	ND	20	20	19.0	18.1	95	90	10-175	5	30	
Toluene	ug/L	ND	20	20	17.9	18.1	90	90	52-131	1	30	
TOTAL BTEX	ug/L	ND	120	120	107	106	89	89	50-149	1	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	17.2	17.6	86	88	40-135	3	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	16.3	16.2	81	81	45-132	1	30	
Trichloroethene	ug/L	ND	20	20	17.6	18.8	88	94	10-175	6	30	1c
Vinyl chloride	ug/L	ND	20	20	22.6	22.8	113	114	10-175	1	30	
Xylene (Total)	ug/L	ND	60	60	52.4	52.5	87	87	51-130	0	30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Winatic
Pace Project No.: 30576804

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2824119 2824120

Parameter	Units	30576804003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane-d4 (S)	%.						93	99	70-130			
4-Bromofluorobenzene (S)	%.						96	96	70-130			
Dibromofluoromethane (S)	%.						98	101	70-130			
Toluene-d8 (S)	%.						103	100	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Winatic
Pace Project No.: 30576804

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1c	This compound did not meet the recomended minimum RF in the ICAL.
2c	This compound did not meet the recomended minimum RF in the ICAL.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Winatic
Pace Project No.: 30576804

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30576804001	**System Influent**	EPA 8260C	581360		
30576804002	**System Middle**	EPA 8260C	581360		
30576804003	**System Effluent**	EPA 8260C	581360		
30576804004	**Trip Blank**	EPA 8260C	581360		

Pace Analytical
www.pacelat

WO# : 30576804

30576804

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: / of /

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

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

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	EPA Method 8260	Target Compound List	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	System Influent	WT	G			04/05/23	12:40		3				3					X				001
2	System Middle	WT	G			04/05/23	12:45		3				3					X				002
3	System Effluent	WT	G			03/17/23	12:50		3				3					X				003
4																						004 - x2 trip blanks
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Trip Blank for lab use : No Charge	/ GeoLogic	4/5/23	15:45		4/5	15:45				
PH		4/6	17:00		4/6/23	0945	3.7	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joseph Menzel

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 4/5/23

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 30 days.

DC#_Title: ENV-FRM-GBUR-0088 v04_Sample Condition Upon Receipt-Pittsburgh

Effective Date: 02/03/2023

WO# : 30576804

PM: SCR **Due Date: 04/21/23**

CLIENT: GEOLOGIC NY

Client Name: Geologic N.Y., P.C

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other

Tracking Number: 771780477059

Examined By	BL
Labeled By	BL
Temped By	BL

Custody Seal on Cooler/Box Present: ☑ Yes ☐ No **Seals Intact:** ☑ Yes ☐ No

Thermometer Used: 17 **Type of Ice:** (Wet) Blue None

Cooler Temperature: Observed Temp 3.1 °C Correction Factor: +0.6 °C Final Temp: 3.7 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot#	D.P.D. Residual Chlorine Lot #
Chain of Custody Present	✓			1.	
Chain of Custody Filled Out:	✓			2.	
-Were client corrections present on COC		✓		No corrections	
Chain of Custody Relinquished	✓			3.	
Sampler Name & Signature on COC:	✓			4.	
Sample Labels match COC:	✓			5.	
-Includes date/time/ID	NO			-113 "System Middle" has 1240	more in comments
Matrix:	WT			-313 "System Effluent" have 1240	
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):		✓		7.	
Rush Turn Around Time Requested:		✓		8.	
Sufficient Volume:	✓			9.	
Correct Containers Used:	✓			10.	
-Pace Containers Used	✓				
Containers Intact:	✓			11.	
Orthophosphate field filtered:			✓	12.	
Hex Cr Aqueous samples field filtered:			✓	13.	
Organic Samples checked for dechlorination			✓	14:	
Filtered volume received for dissolved tests:			✓	15:	
All containers checked for preservation:			✓	16.	
exceptions: (VOA) coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix					
All containers meet method preservation requirements:	✓			Initial when completed BL	Date/Time of Preservation
				Lot# of added Preservative	
8260C/D: Headspace in VOA Vials (> 6mm)		✓		17.	
624.1: Headspace in VOA Vials (0mm)			✓	18.	
Trip Blank Present:	✓			Trip blank custody seal present? (YES) or NO	
Rad Samples Screened <0.5 mrem/hr.	✓			Initial when completed BL Date: 4/7/23	Survey Meter SN: 1563

Comments: -313 "System Influent have 1250.

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/1/2023 9:25:51 AM

JOB DESCRIPTION

GeoLogic Project #218010

JOB NUMBER

480-209206-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

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
6/1/2023 9:25:51 AM

Authorized for release by
John Beninati, Project Manager
John.Beninati@et.eurofinsus.com
(716)504-9874

Table of Contents

Definitions/Glossary

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010

Job ID: 480-209206-1

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

Job ID: 480-209206-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-209206-1

Comments
No additional comments.

Receipt
The samples were received on 5/25/2023 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 was 3.4º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-671171 recovered above the upper control limit for Acetone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-1 (480-209206-1), MW-2 (480-209206-2), MW-3 (480-209206-3), MW-5 (480-209206-4), MW-7R (480-209206-5) and MW-15 (480-209206-6).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-671171 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte, the data are reported. The associated samples are impacted: MW-1 (480-209206-1), MW-2 (480-209206-2), MW-3 (480-209206-3), MW-5 (480-209206-4), MW-7R (480-209206-5) and MW-15 (480-209206-6).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-7R (480-209206-5). 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.

Detection Summary

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010

Job ID: 480-209206-1

Client Sample ID: MW-1 — Lab Sample ID: 480-209206-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.3		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 480-209206-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	2.4		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 480-209206-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	4.5		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 480-209206-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.1		1.0	0.82	ug/L	1		8260C	Total/NA
Trichloroethene	1.3		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-7R — Lab Sample ID: 480-209206-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	21		10	8.1	ug/L	10		8260C	Total/NA
Trichloroethene	470		10	4.6	ug/L	10		8260C	Total/NA

Client Sample ID: MW-15 — Lab Sample ID: 480-209206-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010

Job ID: 480-209206-1

Client Sample ID: MW-1

Date Collected: 05/23/23 12:55
Date Received: 05/25/23 10:00

Lab Sample ID: 480-209206-1

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			05/30/23 11:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/30/23 11:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/30/23 11:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/30/23 11:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/30/23 11:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/30/23 11:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/30/23 11:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/30/23 11:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/30/23 11:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/30/23 11:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/30/23 11:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/30/23 11:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/30/23 11:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/30/23 11:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/30/23 11:47	1
2-Hexanone	ND		5.0	1.2	ug/L			05/30/23 11:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/30/23 11:47	1
Acetone	ND		10	3.0	ug/L			05/30/23 11:47	1
Benzene	ND		1.0	0.41	ug/L			05/30/23 11:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/30/23 11:47	1
Bromoform	ND		1.0	0.26	ug/L			05/30/23 11:47	1
Bromomethane	ND		1.0	0.69	ug/L			05/30/23 11:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/30/23 11:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/30/23 11:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/30/23 11:47	1
Chloroethane	ND		1.0	0.32	ug/L			05/30/23 11:47	1
Chloroform	ND		1.0	0.34	ug/L			05/30/23 11:47	1
Chloromethane	ND		1.0	0.35	ug/L			05/30/23 11:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/30/23 11:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/30/23 11:47	1
Cyclohexane	ND		1.0	0.18	ug/L			05/30/23 11:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/30/23 11:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/30/23 11:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/23 11:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/30/23 11:47	1
Methyl acetate	ND		2.5	1.3	ug/L			05/30/23 11:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/30/23 11:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/30/23 11:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/30/23 11:47	1
Styrene	ND		1.0	0.73	ug/L			05/30/23 11:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/30/23 11:47	1
Toluene	ND		1.0	0.51	ug/L			05/30/23 11:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/30/23 11:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/30/23 11:47	1
Trichloroethene	**1.3**		1.0	0.46	ug/L			05/30/23 11:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/30/23 11:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/30/23 11:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/23 11:47	1

Client Sample ID: MW-1

Lab Sample ID: 480-209206-1

Date Collected: 05/23/23 12:55
Date Received: 05/25/23 10:00

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*05/30/23 11:47*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*05/30/23 11:47*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*05/30/23 11:47*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/30/23 11:47*	*1*

Client Sample ID: MW-2

Lab Sample ID: 480-209206-2

Date Collected: 05/23/23 10:05
Date Received: 05/25/23 10:00

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			05/30/23 12:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/30/23 12:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/30/23 12:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/30/23 12:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/30/23 12:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/30/23 12:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/30/23 12:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/30/23 12:09	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/30/23 12:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/30/23 12:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/30/23 12:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/30/23 12:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/30/23 12:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/30/23 12:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/30/23 12:09	1
2-Hexanone	ND		5.0	1.2	ug/L			05/30/23 12:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/30/23 12:09	1
Acetone	ND		10	3.0	ug/L			05/30/23 12:09	1
Benzene	ND		1.0	0.41	ug/L			05/30/23 12:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/30/23 12:09	1
Bromoform	ND		1.0	0.26	ug/L			05/30/23 12:09	1
Bromomethane	ND		1.0	0.69	ug/L			05/30/23 12:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/30/23 12:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/30/23 12:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/30/23 12:09	1
Chloroethane	ND		1.0	0.32	ug/L			05/30/23 12:09	1
Chloroform	ND		1.0	0.34	ug/L			05/30/23 12:09	1
Chloromethane	ND		1.0	0.35	ug/L			05/30/23 12:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/30/23 12:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/30/23 12:09	1
Cyclohexane	ND		1.0	0.18	ug/L			05/30/23 12:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/30/23 12:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/30/23 12:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/23 12:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/30/23 12:09	1
Methyl acetate	ND		2.5	1.3	ug/L			05/30/23 12:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/30/23 12:09	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/30/23 12:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/30/23 12:09	1

Client Sample ID: MW-2

Date Collected: 05/23/23 10:05
Date Received: 05/25/23 10:00

Lab Sample ID: 480-209206-2
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			05/30/23 12:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/30/23 12:09	1
Toluene	ND		1.0	0.51	ug/L			05/30/23 12:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/30/23 12:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/30/23 12:09	1
Trichloroethene	**2.4**		1.0	0.46	ug/L			05/30/23 12:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/30/23 12:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/30/23 12:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/23 12:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*05/30/23 12:09*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*05/30/23 12:09*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/30/23 12:09*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/30/23 12:09*	*1*

Client Sample ID: MW-3

Date Collected: 05/23/23 10:45
Date Received: 05/25/23 10:00

Lab Sample ID: 480-209206-3
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			05/30/23 12:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/30/23 12:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/30/23 12:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/30/23 12:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/30/23 12:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/30/23 12:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/30/23 12:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/30/23 12:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/30/23 12:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/30/23 12:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/30/23 12:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/30/23 12:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/30/23 12:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/30/23 12:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/30/23 12:32	1
2-Hexanone	ND		5.0	1.2	ug/L			05/30/23 12:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/30/23 12:32	1
Acetone	ND		10	3.0	ug/L			05/30/23 12:32	1
Benzene	ND		1.0	0.41	ug/L			05/30/23 12:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/30/23 12:32	1
Bromoform	ND		1.0	0.26	ug/L			05/30/23 12:32	1
Bromomethane	ND		1.0	0.69	ug/L			05/30/23 12:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/30/23 12:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/30/23 12:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/30/23 12:32	1
Chloroethane	ND		1.0	0.32	ug/L			05/30/23 12:32	1
Chloroform	ND		1.0	0.34	ug/L			05/30/23 12:32	1
Chloromethane	ND		1.0	0.35	ug/L			05/30/23 12:32	1

Client Sample ID: MW-3

Date Collected: 05/23/23 10:45
Date Received: 05/25/23 10:00

Lab Sample ID: 480-209206-3

Matrix: Water

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			05/30/23 12:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/30/23 12:32	1
Cyclohexane	ND		1.0	0.18	ug/L			05/30/23 12:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/30/23 12:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/30/23 12:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/23 12:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/30/23 12:32	1
Methyl acetate	ND		2.5	1.3	ug/L			05/30/23 12:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/30/23 12:32	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/30/23 12:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/30/23 12:32	1
Styrene	ND		1.0	0.73	ug/L			05/30/23 12:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/30/23 12:32	1
Toluene	ND		1.0	0.51	ug/L			05/30/23 12:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/30/23 12:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/30/23 12:32	1
Trichloroethene	**4.5**		1.0	0.46	ug/L			05/30/23 12:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/30/23 12:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/30/23 12:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/23 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*05/30/23 12:32*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*05/30/23 12:32*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/30/23 12:32*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/30/23 12:32*	*1*

Client Sample ID: MW-5

Date Collected: 05/23/23 14:00
Date Received: 05/25/23 10:00

Lab Sample ID: 480-209206-4

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	**2.1**		1.0	0.82	ug/L			05/30/23 12:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/30/23 12:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/30/23 12:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/30/23 12:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/30/23 12:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/30/23 12:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/30/23 12:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/30/23 12:54	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/30/23 12:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/30/23 12:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/30/23 12:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/30/23 12:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/30/23 12:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/30/23 12:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/30/23 12:54	1
2-Hexanone	ND		5.0	1.2	ug/L			05/30/23 12:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/30/23 12:54	1

Client Sample ID: MW-5

Date Collected: 05/23/23 14:00
Date Received: 05/25/23 10:00

Lab Sample ID: 480-209206-4
Matrix: Water

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			05/30/23 12:54	1
Benzene	ND		1.0	0.41	ug/L			05/30/23 12:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/30/23 12:54	1
Bromoform	ND		1.0	0.26	ug/L			05/30/23 12:54	1
Bromomethane	ND		1.0	0.69	ug/L			05/30/23 12:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/30/23 12:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/30/23 12:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/30/23 12:54	1
Chloroethane	ND		1.0	0.32	ug/L			05/30/23 12:54	1
Chloroform	ND		1.0	0.34	ug/L			05/30/23 12:54	1
Chloromethane	ND		1.0	0.35	ug/L			05/30/23 12:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/30/23 12:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/30/23 12:54	1
Cyclohexane	ND		1.0	0.18	ug/L			05/30/23 12:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/30/23 12:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/30/23 12:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/23 12:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/30/23 12:54	1
Methyl acetate	ND		2.5	1.3	ug/L			05/30/23 12:54	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/30/23 12:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/30/23 12:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/30/23 12:54	1
Styrene	ND		1.0	0.73	ug/L			05/30/23 12:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/30/23 12:54	1
Toluene	ND		1.0	0.51	ug/L			05/30/23 12:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/30/23 12:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/30/23 12:54	1
Trichloroethene	**1.3**		1.0	0.46	ug/L			05/30/23 12:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/30/23 12:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/30/23 12:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/23 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*05/30/23 12:54*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*05/30/23 12:54*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/30/23 12:54*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/30/23 12:54*	*1*

Client Sample ID: MW-7R

Date Collected: 05/23/23 13:30
Date Received: 05/25/23 10:00

Lab Sample ID: 480-209206-5
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		10	8.2	ug/L			05/30/23 13:17	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			05/30/23 13:17	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			05/30/23 13:17	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			05/30/23 13:17	10
1,1-Dichloroethane	ND		10	3.8	ug/L			05/30/23 13:17	10
1,1-Dichloroethene	ND		10	2.9	ug/L			05/30/23 13:17	10

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010

Job ID: 480-209206-1

Client Sample ID: MW-7R
Date Collected: 05/23/23 13:30
Date Received: 05/25/23 10:00

Lab Sample ID: 480-209206-5
Matrix: Water

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		10	4.1	ug/L			05/30/23 13:17	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			05/30/23 13:17	10
1,2-Dibromoethane	ND		10	7.3	ug/L			05/30/23 13:17	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			05/30/23 13:17	10
1,2-Dichloroethane	ND		10	2.1	ug/L			05/30/23 13:17	10
1,2-Dichloropropane	ND		10	7.2	ug/L			05/30/23 13:17	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			05/30/23 13:17	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			05/30/23 13:17	10
2-Butanone (MEK)	ND		100	13	ug/L			05/30/23 13:17	10
2-Hexanone	ND		50	12	ug/L			05/30/23 13:17	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			05/30/23 13:17	10
Acetone	ND		100	30	ug/L			05/30/23 13:17	10
Benzene	ND		10	4.1	ug/L			05/30/23 13:17	10
Bromodichloromethane	ND		10	3.9	ug/L			05/30/23 13:17	10
Bromoform	ND		10	2.6	ug/L			05/30/23 13:17	10
Bromomethane	ND		10	6.9	ug/L			05/30/23 13:17	10
Carbon disulfide	ND		10	1.9	ug/L			05/30/23 13:17	10
Carbon tetrachloride	ND		10	2.7	ug/L			05/30/23 13:17	10
Chlorobenzene	ND		10	7.5	ug/L			05/30/23 13:17	10
Chloroethane	ND		10	3.2	ug/L			05/30/23 13:17	10
Chloroform	ND		10	3.4	ug/L			05/30/23 13:17	10
Chloromethane	ND		10	3.5	ug/L			05/30/23 13:17	10
cis-1,2-Dichloroethene	**21**		10	8.1	ug/L			05/30/23 13:17	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			05/30/23 13:17	10
Cyclohexane	ND		10	1.8	ug/L			05/30/23 13:17	10
Dibromochloromethane	ND		10	3.2	ug/L			05/30/23 13:17	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			05/30/23 13:17	10
Ethylbenzene	ND		10	7.4	ug/L			05/30/23 13:17	10
Isopropylbenzene	ND		10	7.9	ug/L			05/30/23 13:17	10
Methyl acetate	ND		25	13	ug/L			05/30/23 13:17	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			05/30/23 13:17	10
Methylcyclohexane	ND		10	1.6	ug/L			05/30/23 13:17	10
Methylene Chloride	ND		10	4.4	ug/L			05/30/23 13:17	10
Styrene	ND		10	7.3	ug/L			05/30/23 13:17	10
Tetrachloroethene	ND		10	3.6	ug/L			05/30/23 13:17	10
Toluene	ND		10	5.1	ug/L			05/30/23 13:17	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			05/30/23 13:17	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			05/30/23 13:17	10
Trichloroethene	**470**		10	4.6	ug/L			05/30/23 13:17	10
Trichlorofluoromethane	ND		10	8.8	ug/L			05/30/23 13:17	10
Vinyl chloride	ND		10	9.0	ug/L			05/30/23 13:17	10
Xylenes, Total	ND		20	6.6	ug/L			05/30/23 13:17	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*05/30/23 13:17*	*10*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*05/30/23 13:17*	*10*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*05/30/23 13:17*	*10*
Toluene-d8 (Surr)	*104*		*80 - 120*		*05/30/23 13:17*	*10*

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010

Job ID: 480-209206-1

Client Sample ID: MW-15
Date Collected: 05/23/23 12:15
Date Received: 05/25/23 10:00

Lab Sample ID: 480-209206-6
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			05/30/23 13:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/30/23 13:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/30/23 13:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/30/23 13:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/30/23 13:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/30/23 13:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/30/23 13:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/30/23 13:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/30/23 13:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/30/23 13:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/30/23 13:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/30/23 13:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/30/23 13:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/30/23 13:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/30/23 13:39	1
2-Hexanone	ND		5.0	1.2	ug/L			05/30/23 13:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/30/23 13:39	1
Acetone	ND		10	3.0	ug/L			05/30/23 13:39	1
Benzene	ND		1.0	0.41	ug/L			05/30/23 13:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/30/23 13:39	1
Bromoform	ND		1.0	0.26	ug/L			05/30/23 13:39	1
Bromomethane	ND		1.0	0.69	ug/L			05/30/23 13:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/30/23 13:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/30/23 13:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/30/23 13:39	1
Chloroethane	ND		1.0	0.32	ug/L			05/30/23 13:39	1
Chloroform	ND		1.0	0.34	ug/L			05/30/23 13:39	1
Chloromethane	ND		1.0	0.35	ug/L			05/30/23 13:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/30/23 13:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/30/23 13:39	1
Cyclohexane	ND		1.0	0.18	ug/L			05/30/23 13:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/30/23 13:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/30/23 13:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/23 13:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/30/23 13:39	1
Methyl acetate	ND		2.5	1.3	ug/L			05/30/23 13:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/30/23 13:39	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/30/23 13:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/30/23 13:39	1
Styrene	ND		1.0	0.73	ug/L			05/30/23 13:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/30/23 13:39	1
Toluene	ND		1.0	0.51	ug/L			05/30/23 13:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/30/23 13:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/30/23 13:39	1
Trichloroethene	ND		1.0	0.46	ug/L			05/30/23 13:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/30/23 13:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/30/23 13:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/23 13:39	1

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010

Job ID: 480-209206-1

Client Sample ID: MW-15
Date Collected: 05/23/23 12:15
Date Received: 05/25/23 10:00

Lab Sample ID: 480-209206-6
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		05/30/23 13:39	1
4-Bromofluorobenzene (Surr)	98		73 - 120		05/30/23 13:39	1
Dibromofluoromethane (Surr)	105		75 - 123		05/30/23 13:39	1
Toluene-d8 (Surr)	106		80 - 120		05/30/23 13:39	1

Surrogate Summary

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010

Job ID: 480-209206-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-209206-1	MW-1	105	99	107	103
480-209206-2	MW-2	99	94	103	105
480-209206-3	MW-3	100	96	103	106
480-209206-4	MW-5	100	93	103	102
480-209206-5	MW-7R	106	94	108	104
480-209206-6	MW-15	99	98	105	106
LCS 480-671171/6	Lab Control Sample	101	98	102	109
MB 480-671171/8	Method Blank	102	98	101	106

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010

Job ID: 480-209206-1

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

Lab Sample ID: MB 480-671171/8
Matrix: Water
Analysis Batch: 671171

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			05/30/23 11:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/30/23 11:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/30/23 11:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/30/23 11:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/30/23 11:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/30/23 11:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/30/23 11:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/30/23 11:12	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/30/23 11:12	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/30/23 11:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/30/23 11:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/30/23 11:12	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/30/23 11:12	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/30/23 11:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/30/23 11:12	1
2-Hexanone	ND		5.0	1.2	ug/L			05/30/23 11:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/30/23 11:12	1
Acetone	ND		10	3.0	ug/L			05/30/23 11:12	1
Benzene	ND		1.0	0.41	ug/L			05/30/23 11:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/30/23 11:12	1
Bromoform	ND		1.0	0.26	ug/L			05/30/23 11:12	1
Bromomethane	ND		1.0	0.69	ug/L			05/30/23 11:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/30/23 11:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/30/23 11:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/30/23 11:12	1
Chloroethane	ND		1.0	0.32	ug/L			05/30/23 11:12	1
Chloroform	ND		1.0	0.34	ug/L			05/30/23 11:12	1
Chloromethane	ND		1.0	0.35	ug/L			05/30/23 11:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/30/23 11:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/30/23 11:12	1
Cyclohexane	ND		1.0	0.18	ug/L			05/30/23 11:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/30/23 11:12	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/30/23 11:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/23 11:12	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/30/23 11:12	1
Methyl acetate	ND		2.5	1.3	ug/L			05/30/23 11:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/30/23 11:12	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/30/23 11:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/30/23 11:12	1
Styrene	ND		1.0	0.73	ug/L			05/30/23 11:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/30/23 11:12	1
Toluene	ND		1.0	0.51	ug/L			05/30/23 11:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/30/23 11:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/30/23 11:12	1
Trichloroethene	ND		1.0	0.46	ug/L			05/30/23 11:12	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/30/23 11:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/30/23 11:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/23 11:12	1

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

Lab Sample ID: MB 480-671171/8
Matrix: Water
Analysis Batch: 671171

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/30/23 11:12*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*05/30/23 11:12*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*05/30/23 11:12*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/30/23 11:12*	*1*

Lab Sample ID: LCS 480-671171/6
Matrix: Water
Analysis Batch: 671171

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	27.7		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	25.0	27.5		ug/L		110	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	30.6		ug/L		123	61 - 148
1,1,2-Trichloroethane	25.0	25.4		ug/L		102	76 - 122
1,1-Dichloroethane	25.0	26.8		ug/L		107	77 - 120
1,1-Dichloroethene	25.0	29.0		ug/L		116	66 - 127
1,2,4-Trichlorobenzene	25.0	24.8		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	33.5		ug/L		134	56 - 134
1,2-Dibromoethane	25.0	25.8		ug/L		103	77 - 120
1,2-Dichlorobenzene	25.0	25.1		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	23.2		ug/L		93	75 - 120
1,2-Dichloropropane	25.0	25.1		ug/L		100	76 - 120
1,3-Dichlorobenzene	25.0	24.0		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	23.9		ug/L		95	80 - 120
2-Butanone (MEK)	125	125		ug/L		100	57 - 140
2-Hexanone	125	127		ug/L		102	65 - 127
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	71 - 125
Acetone	125	140		ug/L		112	56 - 142
Benzene	25.0	26.5		ug/L		106	71 - 124
Bromodichloromethane	25.0	26.4		ug/L		106	80 - 122
Bromoform	25.0	28.6		ug/L		114	61 - 132
Bromomethane	25.0	24.1		ug/L		96	55 - 144
Carbon disulfide	25.0	31.4		ug/L		126	59 - 134
Carbon tetrachloride	25.0	30.9		ug/L		124	72 - 134
Chlorobenzene	25.0	25.0		ug/L		100	80 - 120
Chloroethane	25.0	26.2		ug/L		105	69 - 136
Chloroform	25.0	25.5		ug/L		102	73 - 127
Chloromethane	25.0	21.4		ug/L		86	68 - 124
cis-1,2-Dichloroethene	25.0	27.6		ug/L		111	74 - 124
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	74 - 124
Cyclohexane	25.0	30.1		ug/L		120	59 - 135
Dibromochloromethane	25.0	27.1		ug/L		109	75 - 125
Dichlorodifluoromethane	25.0	19.7		ug/L		79	59 - 135
Ethylbenzene	25.0	28.1		ug/L		112	77 - 123
Isopropylbenzene	25.0	27.8		ug/L		111	77 - 122
Methyl acetate	50.0	51.0		ug/L		102	74 - 133
Methyl tert-butyl ether	25.0	24.8		ug/L		99	77 - 120
Methylcyclohexane	25.0	30.0		ug/L		120	68 - 134

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

Lab Sample ID: LCS 480-671171/6
Matrix: Water
Analysis Batch: 671171

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	26.6		ug/L		107	75 - 124		
Styrene			25.0	25.7		ug/L		103	80 - 120		
Tetrachloroethene			25.0	25.3		ug/L		101	74 - 122		
Toluene			25.0	26.6		ug/L		106	80 - 122		
trans-1,2-Dichloroethene			25.0	28.8		ug/L		115	73 - 127		
trans-1,3-Dichloropropene			25.0	28.9		ug/L		115	80 - 120		
Trichloroethene			25.0	26.4		ug/L		106	74 - 123		
Trichlorofluoromethane			25.0	25.3		ug/L		101	62 - 150		
Vinyl chloride			25.0	23.2		ug/L		93	65 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*
Toluene-d8 (Surr)	*109*		*80 - 120*

QC Association Summary

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010

Job ID: 480-209206-1

GC/MS VOA

Analysis Batch: 671171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209206-1	MW-1	Total/NA	Water	8260C	
480-209206-2	MW-2	Total/NA	Water	8260C	
480-209206-3	MW-3	Total/NA	Water	8260C	
480-209206-4	MW-5	Total/NA	Water	8260C	
480-209206-5	MW-7R	Total/NA	Water	8260C	
480-209206-6	MW-15	Total/NA	Water	8260C	
MB 480-671171/8	Method Blank	Total/NA	Water	8260C	
LCS 480-671171/6	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010

Job ID: 480-209206-1

Client Sample ID: MW-1
Date Collected: 05/23/23 12:55
Date Received: 05/25/23 10:00

Lab Sample ID: 480-209206-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	671171	CR	EET BUF	05/30/23 11:47

Client Sample ID: MW-2
Date Collected: 05/23/23 10:05
Date Received: 05/25/23 10:00

Lab Sample ID: 480-209206-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	671171	CR	EET BUF	05/30/23 12:09

Client Sample ID: MW-3
Date Collected: 05/23/23 10:45
Date Received: 05/25/23 10:00

Lab Sample ID: 480-209206-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	671171	CR	EET BUF	05/30/23 12:32

Client Sample ID: MW-5
Date Collected: 05/23/23 14:00
Date Received: 05/25/23 10:00

Lab Sample ID: 480-209206-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	671171	CR	EET BUF	05/30/23 12:54

Client Sample ID: MW-7R
Date Collected: 05/23/23 13:30
Date Received: 05/25/23 10:00

Lab Sample ID: 480-209206-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	671171	CR	EET BUF	05/30/23 13:17

Client Sample ID: MW-15
Date Collected: 05/23/23 12:15
Date Received: 05/25/23 10:00

Lab Sample ID: 480-209206-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	671171	CR	EET BUF	05/30/23 13:39

Laboratory References:

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

Accreditation/Certification Summary

Client: Geologic NY Inc
Job ID: 480-209206-1
Project/Site: GeoLogic Project #218010

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-24

Method Summary

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010

Job ID: 480-209206-1

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

Sample Summary

Client: Geologic NY Inc
Project/Site: GeoLogic Project #218010

Job ID: 480-209206-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-209206-1	MW-1	Water	05/23/23 12:55	05/25/23 10:00
480-209206-2	MW-2	Water	05/23/23 10:05	05/25/23 10:00
480-209206-3	MW-3	Water	05/23/23 10:45	05/25/23 10:00
480-209206-4	MW-5	Water	05/23/23 14:00	05/25/23 10:00
480-209206-5	MW-7R	Water	05/23/23 13:30	05/25/23 10:00
480-209206-6	MW-15	Water	05/23/23 12:15	05/25/23 10:00

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Joe Menzel	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-185550-39208.1
Client Contact: Mr. Christopher Gabriel	Phone: 607-749-5000	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Geologic NY Inc	PWSID:			Job #
Address: PO BOX 350 37 Copeland Ave	Due Date Requested: Standard			
City: Homer	TAT Requested (days):			
State, Zip: NY, 13077	Compliance Project: Δ Yes Δ No			
Phone: 607-749-5000(Tel)	PO #: 218010			
Email: ChrisG@geologic.net	WO #:			
Project Name: Project #218010 - Monitoring Wells	Project #: 48026508			
Site:	SSOW#:			

Analysis Requested

480-209206 Chain of Custody

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs	Total Number	Special Instructions/Note:
Preservation Code:							A		
MW-1	5/23/23	12:55	G	Water			X		
MW-2	5/23/23	10:05	G	W			X		
MW-3	5/23/23	10:45	G	W			X		
MW-5	5/23/23	14:00	G	W			X		
MW-7R	5/23/23	13:30	G	W			X		
MW-15	5/23/23	12:15	G	W			X		

Rec 5-24-23

Syracuse #225

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by: Joseph Menzel	5/23/23 16:20	GNY	Received by: Geologic sample frig	5/23/23 16:20	GNY
Relinquished by: Geologic Sample Delivery	5/24/23 12:41	GNY	Received by:	5/24/23 1241	ES-SYR
Relinquished by: RECEIVED	5-24-23, 1900	Exp	Received by:	5/25/23 1000	TMB

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.4 #1 ICE

Login Sample Receipt Checklist

Client: Geologic NY Inc

Job Number: 480-209206-1

Login Number: 209206
List Number: 1
Creator: Stopa, Erik S

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.	N/A	
Chlorine Residual checked.	N/A	

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

August 9, 2023

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

Project Location:
Client Job Number:
Project Number: 218010
Laboratory Work Order Number: 23G2956

Enclosed are results of analyses for samples as received by the laboratory on July 21, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kyle A. Murray
Project Manager

Table of Contents

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: 8/9/2023

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 218010

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G2956

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

PROJECT LOCATION:

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
System Influent	23G2956-01	Water		SW-846 8260D	
System Middle	23G2956-02	Water		SW-846 8260D	
System Effluent	23G2956-03	Water		SW-846 8260D	
TB	23G2956-04	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:

V-05

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

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene
23G2956-01[System Influent], 23G2956-02[System Middle], 23G2956-03[System Effluent], 23G2956-04[TB], B346810-BLK1, B346810-BS1, B346810-BSD1, S091188-CCV1

Naphthalene
23G2956-01[System Influent], 23G2956-02[System Middle], 23G2956-03[System Effluent], 23G2956-04[TB], B346810-BLK1, B346810-BS1, B346810-BSD1, S091188-CCV1

tert-Butyl Alcohol (TBA)
23G2956-01[System Influent], 23G2956-02[System Middle], 23G2956-03[System Effluent], 23G2956-04[TB], B346810-BLK1, B346810-BS1, B346810-BSD1, S091188-CCV1

trans-1,4-Dichloro-2-butene
23G2956-01[System Influent], 23G2956-02[System Middle], 23G2956-03[System Effluent], 23G2956-04[TB], B346810-BLK1, B346810-BS1, B346810-BSD1, S091188-CCV1

V-06

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

Analyte & Samples(s) Qualified:

Vinyl Chloride
B346810-BS1, B346810-BSD1, S091188-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
S091188-CCV1

Hexachlorobutadiene
S091188-CCV1

Methyl Cyclohexane
S091188-CCV1

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

Lisa A. Worthington
Technical Representative

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Project Location: Sample Description: Work Order: 23G2956

Date Received: 7/21/2023

Field Sample #: System Influent Sampled: 7/19/2023 13:20

Sample ID: 23G2956-01

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	7/24/23	7/25/23 16:36	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 16:36	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH

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Project Location: Sample Description: Work Order: 23G2956

Date Received: 7/21/2023

Field Sample #: System Influent Sampled: 7/19/2023 13:20

Sample ID: 23G2956-01

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	7/24/23	7/25/23 16:36	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 16:36	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Trichloroethylene	19	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:36	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.6	70-130		7/25/23 16:36
Toluene-d8	97.5	70-130		7/25/23 16:36
4-Bromofluorobenzene	78.7	70-130		7/25/23 16:36

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Project Location: Sample Description: Work Order: 23G2956

Date Received: 7/21/2023

Field Sample #: System Middle Sampled: 7/19/2023 13:25

Sample ID: 23G2956-02

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	7/24/23	7/25/23 15:43	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 15:43	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH

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Project Location: Sample Description: Work Order: 23G2956

Date Received: 7/21/2023

Field Sample #: System Middle Sampled: 7/19/2023 13:25

Sample ID: 23G2956-02

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	7/24/23	7/25/23 15:43	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 15:43	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 15:43	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.8	70-130		7/25/23 15:43
Toluene-d8	100	70-130		7/25/23 15:43
4-Bromofluorobenzene	80.6	70-130		7/25/23 15:43

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Project Location: Sample Description: Work Order: 23G2956

Date Received: 7/21/2023

Field Sample #: System Effluent Sampled: 7/19/2023 13:30

Sample ID: 23G2956-03

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	7/24/23	7/25/23 16:09	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 16:09	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH

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Project Location: Sample Description: Work Order: 23G2956

Date Received: 7/21/2023

Field Sample #: System Effluent Sampled: 7/19/2023 13:30

Sample ID: 23G2956-03

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	7/24/23	7/25/23 16:09	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 16:09	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 16:09	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.0	70-130		7/25/23 16:09
Toluene-d8	101	70-130		7/25/23 16:09
4-Bromofluorobenzene	81.3	70-130		7/25/23 16:09

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Project Location: Sample Description: Work Order: 23G2956

Date Received: 7/21/2023

Field Sample #: TB Sampled: 7/19/2023 00:00

Sample ID: 23G2956-04

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	7/24/23	7/25/23 12:10	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 12:10	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH

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Project Location: Sample Description: Work Order: 23G2956

Date Received: 7/21/2023

Field Sample #: TB Sampled: 7/19/2023 00:00

Sample ID: 23G2956-04

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	7/24/23	7/25/23 12:10	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 12:10	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	7/24/23	7/25/23 12:10	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.7	70-130		7/25/23 12:10
Toluene-d8	98.7	70-130		7/25/23 12:10
4-Bromofluorobenzene	84.8	70-130		7/25/23 12:10

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2956-01 [System Influent]	B346810	5	5.00	07/24/23
23G2956-02 [System Middle]	B346810	5	5.00	07/24/23
23G2956-03 [System Effluent]	B346810	5	5.00	07/24/23
23G2956-04 [TB]	B346810	5	5.00	07/24/23

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346810 - SW-846 5030B										
Blank (B346810-BLK1)				Prepared: 07/24/23 Analyzed: 07/25/23						
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							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							
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 B346810 - SW-846 5030B											
Blank (B346810-BLK1)				Prepared: 07/24/23 Analyzed: 07/25/23							
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							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							V-05	
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	*23.2*		µg/L	25.0		92.7	70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		100	70-130				
Surrogate: 4-Bromofluorobenzene	*21.0*		µg/L	25.0		83.8	70-130				
LCS (B346810-BS1)				Prepared: 07/24/23 Analyzed: 07/25/23							
Acetone	87.0	50	µg/L	100		87.0	70-160				†
Acrylonitrile	10.1	5.0	µg/L	10.0		101	70-130				
tert-Amyl Methyl Ether (TAME)	9.25	0.50	µg/L	10.0		92.5	70-130				
Benzene	11.0	1.0	µg/L	10.0		110	70-130				
Bromobenzene	9.95	1.0	µg/L	10.0		99.5	70-130				
Bromochloromethane	11.2	1.0	µg/L	10.0		112	70-130				
Bromodichloromethane	10.1	0.50	µg/L	10.0		101	70-130				
Bromoform	8.08	1.0	µg/L	10.0		80.8	70-130				
Bromomethane	12.4	2.0	µg/L	10.0		124	40-160				†
2-Butanone (MEK)	98.7	20	µg/L	100		98.7	40-160				†
tert-Butyl Alcohol (TBA)	71.1	20	µg/L	100		71.1	40-160			V-05	†
n-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130				
sec-Butylbenzene	9.92	1.0	µg/L	10.0		99.2	70-130				
tert-Butylbenzene	9.52	1.0	µg/L	10.0		95.2	70-130				
tert-Butyl Ethyl Ether (TBEE)	9.39	0.50	µg/L	10.0		93.9	70-130				
Carbon Disulfide	98.5	5.0	µg/L	100		98.5	70-130				
Carbon Tetrachloride	7.66	5.0	µg/L	10.0		76.6	70-130				
Chlorobenzene	10.7	1.0	µg/L	10.0		107	70-130				
Chlorodibromomethane	9.37	0.50	µg/L	10.0		93.7	70-130				
Chloroethane	9.45	2.0	µg/L	10.0		94.5	70-130				
Chloroform	10.3	2.0	µg/L	10.0		103	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346810 - SW-846 5030B											
LCS (B346810-BS1)				Prepared: 07/24/23 Analyzed: 07/25/23							
Chloromethane	10.3	2.0	µg/L	10.0		103	40-160				†
2-Chlorotoluene	10.0	1.0	µg/L	10.0		100	70-130				
4-Chlorotoluene	9.78	1.0	µg/L	10.0		97.8	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	7.77	5.0	µg/L	10.0		77.7	70-130				
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130				
Dibromomethane	10.3	1.0	µg/L	10.0		103	70-130				
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130				
1,4-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130				
trans-1,4-Dichloro-2-butene	7.79	2.0	µg/L	10.0		77.9	70-130			V-05	
Dichlorodifluoromethane (Freon 12)	10.8	2.0	µg/L	10.0		108	40-160				†
1,1-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130				
1,2-Dichloroethane	9.63	1.0	µg/L	10.0		96.3	70-130				
1,1-Dichloroethylene	9.41	1.0	µg/L	10.0		94.1	70-130				
cis-1,2-Dichloroethylene	9.66	1.0	µg/L	10.0		96.6	70-130				
trans-1,2-Dichloroethylene	9.32	1.0	µg/L	10.0		93.2	70-130				
1,2-Dichloropropane	11.2	1.0	µg/L	10.0		112	70-130				
1,3-Dichloropropane	10.3	0.50	µg/L	10.0		103	70-130				
2,2-Dichloropropane	8.99	1.0	µg/L	10.0		89.9	40-130				†
1,1-Dichloropropene	10.3	2.0	µg/L	10.0		103	70-130				
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130				
trans-1,3-Dichloropropene	9.85	0.50	µg/L	10.0		98.5	70-130				
Diethyl Ether	9.67	2.0	µg/L	10.0		96.7	70-130				
Diisopropyl Ether (DIPE)	10.2	0.50	µg/L	10.0		102	70-130				
1,4-Dioxane	79.2	50	µg/L	100		79.2	40-130				†
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130				
Hexachlorobutadiene	11.4	0.60	µg/L	10.0		114	70-130				
2-Hexanone (MBK)	91.0	10	µg/L	100		91.0	70-160				†
Isopropylbenzene (Cumene)	9.39	1.0	µg/L	10.0		93.9	70-130				
p-Isopropyltoluene (p-Cymene)	9.90	1.0	µg/L	10.0		99.0	70-130				
Methyl Acetate	8.42	1.0	µg/L	10.0		84.2	70-130				
Methyl tert-Butyl Ether (MTBE)	8.90	1.0	µg/L	10.0		89.0	70-130				
Methyl Cyclohexane	11.5	1.0	µg/L	10.0		115	70-130				
Methylene Chloride	9.68	5.0	µg/L	10.0		96.8	70-130				
4-Methyl-2-pentanone (MIBK)	92.1	10	µg/L	100		92.1	70-160				†
Naphthalene	6.71	2.0	µg/L	10.0		67.1	40-130			V-05	†
n-Propylbenzene	9.62	1.0	µg/L	10.0		96.2	70-130				
Styrene	9.23	1.0	µg/L	10.0		92.3	70-130				
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102	70-130				
1,1,2,2-Tetrachloroethane	9.81	0.50	µg/L	10.0		98.1	70-130				
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130				
Tetrahydrofuran	9.81	10	µg/L	10.0		98.1	70-130				
Toluene	10.6	1.0	µg/L	10.0		106	70-130				
1,2,3-Trichlorobenzene	8.34	5.0	µg/L	10.0		83.4	70-130				
1,2,4-Trichlorobenzene	7.64	1.0	µg/L	10.0		76.4	70-130			V-05	
1,3,5-Trichlorobenzene	9.97	1.0	µg/L	10.0		99.7	70-130				
1,1,1-Trichloroethane	9.65	1.0	µg/L	10.0		96.5	70-130				
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130				
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130				
Trichlorofluoromethane (Freon 11)	9.57	2.0	µg/L	10.0		95.7	70-130				
1,2,3-Trichloropropane	9.50	2.0	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 B346810 - SW-846 5030B											
LCS (B346810-BS1)				Prepared: 07/24/23 Analyzed: 07/25/23							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1	1.0	µg/L	10.0		101	70-130				
1,2,4-Trimethylbenzene	9.85	1.0	µg/L	10.0		98.5	70-130				
1,3,5-Trimethylbenzene	9.69	1.0	µg/L	10.0		96.9	70-130				
Vinyl Chloride	11.4	2.0	µg/L	10.0		114	40-160			V-06	†
m+p Xylene	20.0	2.0	µg/L	20.0		100	70-130				
o-Xylene	9.31	1.0	µg/L	10.0		93.1	70-130				
Surrogate: 1,2-Dichloroethane-d4	*23.0*		µg/L	25.0		91.9	70-130				
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101	70-130				
Surrogate: 4-Bromofluorobenzene	*22.8*		µg/L	25.0		91.0	70-130				
LCS Dup (B346810-BSD1)				Prepared: 07/24/23 Analyzed: 07/25/23							
Acetone	86.8	50	µg/L	100		86.8	70-160	0.230	25		†
Acrylonitrile	8.78	5.0	µg/L	10.0		87.8	70-130	14.0	25		
tert-Amyl Methyl Ether (TAME)	9.35	0.50	µg/L	10.0		93.5	70-130	1.08	25		
Benzene	10.9	1.0	µg/L	10.0		109	70-130	0.824	25		
Bromobenzene	10.1	1.0	µg/L	10.0		101	70-130	1.10	25		
Bromochloromethane	11.0	1.0	µg/L	10.0		110	70-130	1.79	25		
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130	1.87	25		
Bromoform	8.32	1.0	µg/L	10.0		83.2	70-130	2.93	25		
Bromomethane	11.6	2.0	µg/L	10.0		116	40-160	7.34	25		†
2-Butanone (MEK)	96.5	20	µg/L	100		96.5	40-160	2.26	25		†
tert-Butyl Alcohol (TBA)	71.6	20	µg/L	100		71.6	40-160	0.659	25	V-05	†
n-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130	2.11	25		
sec-Butylbenzene	9.65	1.0	µg/L	10.0		96.5	70-130	2.76	25		
tert-Butylbenzene	9.07	1.0	µg/L	10.0		90.7	70-130	4.84	25		
tert-Butyl Ethyl Ether (TBEE)	9.41	0.50	µg/L	10.0		94.1	70-130	0.213	25		
Carbon Disulfide	85.1	5.0	µg/L	100		85.1	70-130	14.6	25		
Carbon Tetrachloride	7.48	5.0	µg/L	10.0		74.8	70-130	2.38	25		
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	1.12	25		
Chlorodibromomethane	9.62	0.50	µg/L	10.0		96.2	70-130	2.63	25		
Chloroethane	9.17	2.0	µg/L	10.0		91.7	70-130	3.01	25		
Chloroform	9.99	2.0	µg/L	10.0		99.9	70-130	3.06	25		
Chloromethane	9.99	2.0	µg/L	10.0		99.9	40-160	2.86	25		†
2-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130	2.46	25		
4-Chlorotoluene	9.53	1.0	µg/L	10.0		95.3	70-130	2.59	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.51	5.0	µg/L	10.0		85.1	70-130	9.09	25		
1,2-Dibromoethane (EDB)	10.5	0.50	µg/L	10.0		105	70-130	2.03	25		
Dibromomethane	10.6	1.0	µg/L	10.0		106	70-130	2.30	25		
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	0.865	25		
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	1.24	25		
1,4-Dichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130	9.59	25		
trans-1,4-Dichloro-2-butene	7.41	2.0	µg/L	10.0		74.1	70-130	5.00	25	V-05	
Dichlorodifluoromethane (Freon 12)	10.1	2.0	µg/L	10.0		101	40-160	7.18	25		†
1,1-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130	0.298	25		
1,2-Dichloroethane	9.44	1.0	µg/L	10.0		94.4	70-130	1.99	25		
1,1-Dichloroethylene	9.13	1.0	µg/L	10.0		91.3	70-130	3.02	25		
cis-1,2-Dichloroethylene	9.53	1.0	µg/L	10.0		95.3	70-130	1.35	25		
trans-1,2-Dichloroethylene	9.17	1.0	µg/L	10.0		91.7	70-130	1.62	25		
1,2-Dichloropropane	10.9	1.0	µg/L	10.0		109	70-130	2.80	25		
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105	70-130	2.31	25		
2,2-Dichloropropane	9.09	1.0	µg/L	10.0		90.9	40-130	1.11	25		†
1,1-Dichloropropene	9.91	2.0	µg/L	10.0		99.1	70-130	4.25	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 B346810 - SW-846 5030B											
LCS Dup (B346810-BSD1)				Prepared: 07/24/23 Analyzed: 07/25/23							
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130	0.289	25		
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	3.10	25		
Diethyl Ether	9.42	2.0	µg/L	10.0		94.2	70-130	2.62	25		
Diisopropyl Ether (DIPE)	10.1	0.50	µg/L	10.0		101	70-130	1.28	25		
1,4-Dioxane	81.7	50	µg/L	100		81.7	40-130	3.03	50		† ‡
Ethylbenzene	10.1	1.0	µg/L	10.0		101	70-130	0.884	25		
Hexachlorobutadiene	11.6	0.60	µg/L	10.0		116	70-130	2.26	25		
2-Hexanone (MBK)	90.8	10	µg/L	100		90.8	70-160	0.253	25		†
Isopropylbenzene (Cumene)	9.45	1.0	µg/L	10.0		94.5	70-130	0.637	25		
p-Isopropyltoluene (p-Cymene)	9.38	1.0	µg/L	10.0		93.8	70-130	5.39	25		
Methyl Acetate	8.09	1.0	µg/L	10.0		80.9	70-130	4.00	25		
Methyl tert-Butyl Ether (MTBE)	8.97	1.0	µg/L	10.0		89.7	70-130	0.783	25		
Methyl Cyclohexane	10.8	1.0	µg/L	10.0		108	70-130	6.18	25		
Methylene Chloride	9.34	5.0	µg/L	10.0		93.4	70-130	3.58	25		
4-Methyl-2-pentanone (MIBK)	92.4	10	µg/L	100		92.4	70-160	0.293	25		†
Naphthalene	6.59	2.0	µg/L	10.0		65.9	40-130	1.80	25	V-05	†
n-Propylbenzene	9.38	1.0	µg/L	10.0		93.8	70-130	2.53	25		
Styrene	9.47	1.0	µg/L	10.0		94.7	70-130	2.57	25		
1,1,1,2-Tetrachloroethane	10.4	1.0	µg/L	10.0		104	70-130	2.24	25		
1,1,2,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130	2.62	25		
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130	2.30	25		
Tetrahydrofuran	9.27	10	µg/L	10.0		92.7	70-130	5.66	25		
Toluene	10.7	1.0	µg/L	10.0		107	70-130	0.935	25		
1,2,3-Trichlorobenzene	8.12	5.0	µg/L	10.0		81.2	70-130	2.67	25		
1,2,4-Trichlorobenzene	7.85	1.0	µg/L	10.0		78.5	70-130	2.71	25	V-05	
1,3,5-Trichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	1.20	25		
1,1,1-Trichloroethane	9.79	1.0	µg/L	10.0		97.9	70-130	1.44	25		
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	1.03	25		
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	0.379	25		
Trichlorofluoromethane (Freon 11)	9.29	2.0	µg/L	10.0		92.9	70-130	2.97	25		
1,2,3-Trichloropropane	9.58	2.0	µg/L	10.0		95.8	70-130	0.839	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.83	1.0	µg/L	10.0		98.3	70-130	2.91	25		
1,2,4-Trimethylbenzene	9.53	1.0	µg/L	10.0		95.3	70-130	3.30	25		
1,3,5-Trimethylbenzene	9.70	1.0	µg/L	10.0		97.0	70-130	0.103	25		
Vinyl Chloride	10.8	2.0	µg/L	10.0		108	40-160	5.75	25	V-06	†
m+p Xylene	19.8	2.0	µg/L	20.0		99.0	70-130	1.10	25		
o-Xylene	9.47	1.0	µg/L	10.0		94.7	70-130	1.70	25		
Surrogate: 1,2-Dichloroethane-d4	*22.5*		µg/L	25.0		89.9	70-130				
Surrogate: Toluene-d8	*25.6*		µg/L	25.0		102	70-130				
Surrogate: 4-Bromofluorobenzene	*22.8*		µg/L	25.0		91.2	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.

V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY
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
SW-846 8260D in Water	
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

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CHAIN-OF-CUSTODY / Analytical Request Document

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

23G2956 KM

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	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

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

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

ITEM #	Section D: SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	EPA Method 8260	Target Compound List	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	System Influent	WT	G			07/19/23	13:20		3				3						X			
2	System Middle	WT	G			07/19/23	13:25		3				3						X			
3	System Effluent	WT	G			07/19/23	13:30		3				3						X			
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Trip Black for lab use : No Charge	/ GeoLogic	7/19/23	7:30	Pace Dropoff	7-20-23	7:30	
	Pace Procure Storage	7/20/23	930		7/20/23	930	
		7/20/23	930	4.5°C	7-21-23	0930	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joseph Menzel

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7/19/23

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 30 days.

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

Table of Contents

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

Log In Back-Sheet

Client GeoLogic NY

Project Winatic

MCP/RCP Required N/A

Deliverable Package Requirement N/A

Location Homer, NY

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time AAM 7/21/23 0930

Back-Sheet By / Date / Time STM 7/21/23 1519

Temperature Method Gun # 4

Temp X < 6° C Actual Temperature 4.5

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

* Trip blanks not listed 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	☒	☒ STM
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.

Qualtrax ID: 120836

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

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	Unpreserved	1 Liter HCL	Sulfuric	250mL Sulfuric	Phosphoric	HCl	100mL Unpreserved	1 Liter Unpreserved	1 Liter Sulfuric	500mL Unpreserved	500mL Sulfuric	250mL Unpreserved	250mL Trizma	250mL Sulfuric	250mL Nitric	250mL NaOH	250mL Ammonium Acetate	250mL NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact				
1																															
2																								3							
3																								3							
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Qualtrax ID: 120836

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August 25, 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: 23H1908

Enclosed are results of analyses for samples as received by the laboratory on August 11, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kyle A. Murray
Project Manager

Table of Contents

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: 8/25/2023

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 218010

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23H1908

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	23H1908-01	Water		SW-846 8260D	
System Middle	23H1908-02	Water		SW-846 8260D	
System Effluent	23H1908-03	Water		SW-846 8260D	
TB	23H1908-04	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:

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:

Bromochloromethane
B349030-BS1, B349030-BSD1

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:

trans-1,4-Dichloro-2-butene
23H1908-03[System Effluent], 23H1908-04[TB], B349031-BLK1, B349031-BS1, B349031-BSD1, S092078-CCV1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23H1908-01[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:

1,2,4-Trichlorobenzene
23H1908-03[System Effluent], 23H1908-04[TB], B349031-BLK1, B349031-BS1, B349031-BSD1, S092078-CCV1

1,4-Dioxane
23H1908-03[System Effluent], 23H1908-04[TB], B349031-BLK1, B349031-BS1, B349031-BSD1, S092078-CCV1

Bromoform
23H1908-03[System Effluent], 23H1908-04[TB], B349031-BLK1, B349031-BS1, B349031-BSD1, S092078-CCV1

Naphthalene
23H1908-01[System Influent], 23H1908-02[System Middle], 23H1908-03[System Effluent], 23H1908-04[TB], B349030-BLK1, B349030-BS1, B349030-BSD1, B349031-BLK1, B349031-BS1, B349031-BSD1, S092065-CCV1, S092078-CCV1

trans-1,4-Dichloro-2-butene
23H1908-01[System Influent], 23H1908-02[System Middle], 23H1908-03[System Effluent], 23H1908-04[TB], B349030-BLK1, B349030-BS1, B349030-BSD1, B349031-BLK1, B349031-BS1, B349031-BSD1, S092065-CCV1, S092078-CCV1

V-20

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

Analyte & Samples(s) Qualified:

1,2,3-Trichloropropane
S092065-CCV1

2-Butanone (MEK)
S092065-CCV1, S092078-CCV1

Bromochloromethane
S092065-CCV1, S092078-CCV1

Bromomethane
S092065-CCV1, S092078-CCV1

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

Lisa A. Worthington
Technical Representative

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

Project Location: NY | Sample Description: | Work Order: 23H1908

Date Received: 8/11/2023

Field Sample #: System Influent | Sampled: 8/8/2023 09:10

Sample ID: 23H1908-01

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	8/15/23	8/15/23 18:24	MFF
Acrylonitrile	ND	20	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
tert-Amyl Methyl Ether (TAME)	ND	2.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Benzene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Bromobenzene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Bromochloromethane	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Bromodichloromethane	ND	2.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Bromoform	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Bromomethane	ND	8.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
2-Butanone (MEK)	ND	80	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
tert-Butyl Alcohol (TBA)	ND	80	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
n-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
sec-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
tert-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	2.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Carbon Disulfide	ND	20	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Carbon Tetrachloride	ND	20	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Chlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Chlorodibromomethane	ND	2.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Chloroethane	ND	8.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Chloroform	ND	8.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Chloromethane	ND	8.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
2-Chlorotoluene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
4-Chlorotoluene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Dibromomethane	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,2-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,3-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,4-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
trans-1,4-Dichloro-2-butene	ND	8.0	µg/L	4	V-05	SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Dichlorodifluoromethane (Freon 12)	ND	8.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,1-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,2-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,1-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
cis-1,2-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
trans-1,2-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,2-Dichloropropane	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,3-Dichloropropane	ND	2.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
2,2-Dichloropropane	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,1-Dichloropropene	ND	8.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
cis-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
trans-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Diethyl Ether	ND	8.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF

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Project Location: NY | Sample Description: | Work Order: 23H1908

Date Received: 8/11/2023

Field Sample #: System Influent | Sampled: 8/8/2023 09:10

Sample ID: 23H1908-01

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	2.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,4-Dioxane	ND	200	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Ethylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Hexachlorobutadiene	ND	2.4	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
2-Hexanone (MBK)	ND	40	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Isopropylbenzene (Cumene)	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
p-Isopropyltoluene (p-Cymene)	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Methyl Acetate	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Methyl tert-Butyl Ether (MTBE)	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Methyl Cyclohexane	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Methylene Chloride	ND	20	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
4-Methyl-2-pentanone (MIBK)	ND	40	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Naphthalene	ND	8.0	µg/L	4	V-05	SW-846 8260D	8/15/23	8/15/23 18:24	MFF
n-Propylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Styrene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,1,1,2-Tetrachloroethane	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Tetrachloroethylene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Tetrahydrofuran	ND	40	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Toluene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,2,3-Trichlorobenzene	ND	20	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,2,4-Trichlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,3,5-Trichlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,1,1-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,1,2-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Trichloroethylene	310	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Trichlorofluoromethane (Freon 11)	ND	8.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,2,3-Trichloropropane	ND	8.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,2,4-Trimethylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
1,3,5-Trimethylbenzene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
Vinyl Chloride	ND	8.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
m+p Xylene	ND	8.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF
o-Xylene	ND	4.0	µg/L	4		SW-846 8260D	8/15/23	8/15/23 18:24	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	113	70-130		8/15/23	18:24
Toluene-d8	100	70-130		8/15/23	18:24
4-Bromofluorobenzene	79.5	70-130		8/15/23	18:24

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Project Location: NY | Sample Description: | Work Order: 23H1908

Date Received: 8/11/2023

Field Sample #: System Middle | Sampled: 8/8/2023 09:15

Sample ID: 23H1908-02

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	8/15/23	8/15/23 17:57	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF

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Project Location: NY | Sample Description: | Work Order: 23H1908

Date Received: 8/11/2023

Field Sample #: System Middle | Sampled: 8/8/2023 09:15

Sample ID: 23H1908-02

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	8/15/23	8/15/23 17:57	MFF
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	8/15/23	8/15/23 17:57	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 17:57	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		8/15/23 17:57
Toluene-d8	101	70-130		8/15/23 17:57
4-Bromofluorobenzene	78.5	70-130		8/15/23 17:57

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

Project Location: NY | Sample Description: | Work Order: 23H1908

Date Received: 8/11/2023

Field Sample #: System Effluent | Sampled: 8/8/2023 09:20

Sample ID: 23H1908-03

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	8/15/23	8/16/23 1:04	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Bromoform	ND	1.0	µg/L	1	V-05	SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	L-04, V-05	SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF

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Project Location: NY | Sample Description: | Work Order: 23H1908

Date Received: 8/11/2023

Field Sample #: System Effluent | Sampled: 8/8/2023 09:20

Sample ID: 23H1908-03

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	8/15/23	8/16/23 1:04	MFF
1,4-Dioxane	ND	50	µg/L	1	V-05	SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	8/15/23	8/16/23 1:04	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/16/23 1:04	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	115	70-130		8/16/23 1:04
Toluene-d8	99.5	70-130		8/16/23 1:04
4-Bromofluorobenzene	80.1	70-130		8/16/23 1:04

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Project Location: NY | Sample Description: | Work Order: 23H1908

Date Received: 8/11/2023

Field Sample #: TB | Sampled: 8/8/2023 00:00

Sample ID: 23H1908-04

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	8/15/23	8/15/23 22:51	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Bromoform	ND	1.0	µg/L	1	V-05	SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	L-04, V-05	SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF

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Project Location: NY | Sample Description: | Work Order: 23H1908

Date Received: 8/11/2023

Field Sample #: TB | Sampled: 8/8/2023 00:00

Sample ID: 23H1908-04

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	8/15/23	8/15/23 22:51	MFF
1,4-Dioxane	ND	50	µg/L	1	V-05	SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	8/15/23	8/15/23 22:51	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	8/15/23	8/15/23 22:51	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	114	70-130		8/15/23 22:51
Toluene-d8	101	70-130		8/15/23 22:51
4-Bromofluorobenzene	82.1	70-130		8/15/23 22:51

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23H1908-01 [System Influent]	B349030	1.25	5.00	08/15/23
23H1908-02 [System Middle]	B349030	5	5.00	08/15/23

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23H1908-03 [System Effluent]	B349031	5	5.00	08/15/23
23H1908-04 [TB]	B349031	5	5.00	08/15/23

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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 B349030 - SW-846 5030B										
Blank (B349030-BLK1)				Prepared & Analyzed: 08/15/23						
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							
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 B349030 - SW-846 5030B											
Blank (B349030-BLK1)				Prepared & Analyzed: 08/15/23							
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							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	*28.2*		µg/L	25.0		113	70-130				
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		100	70-130				
Surrogate: 4-Bromofluorobenzene	*20.7*		µg/L	25.0		82.7	70-130				
LCS (B349030-BS1)				Prepared & Analyzed: 08/15/23							
Acetone	117	50	µg/L	100		117	70-160				†
Acrylonitrile	11.1	5.0	µg/L	10.0		111	70-130				
tert-Amyl Methyl Ether (TAME)	9.73	0.50	µg/L	10.0		97.3	70-130				
Benzene	12.1	1.0	µg/L	10.0		121	70-130				
Bromobenzene	9.93	1.0	µg/L	10.0		99.3	70-130				
Bromochloromethane	13.1	1.0	µg/L	10.0		**131**	* 70-130			L-02	
Bromodichloromethane	10.8	0.50	µg/L	10.0		108	70-130				
Bromoform	7.30	1.0	µg/L	10.0		73.0	70-130				
Bromomethane	14.1	2.0	µg/L	10.0		141	40-160				†
2-Butanone (MEK)	128	20	µg/L	100		128	40-160				†
tert-Butyl Alcohol (TBA)	88.1	20	µg/L	100		88.1	40-160				†
n-Butylbenzene	10.9	1.0	µg/L	10.0		109	70-130				
sec-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130				
tert-Butylbenzene	9.48	1.0	µg/L	10.0		94.8	70-130				
tert-Butyl Ethyl Ether (TBEE)	10.8	0.50	µg/L	10.0		108	70-130				
Carbon Disulfide	116	5.0	µg/L	100		116	70-130				
Carbon Tetrachloride	9.55	5.0	µg/L	10.0		95.5	70-130				
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130				
Chlorodibromomethane	10.0	0.50	µg/L	10.0		100	70-130				
Chloroethane	11.4	2.0	µg/L	10.0		114	70-130				
Chloroform	11.5	2.0	µg/L	10.0		115	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 B349030 - SW-846 5030B											
LCS (B349030-BS1)				Prepared & Analyzed: 08/15/23							
Chloromethane	12.2	2.0	µg/L	10.0		122	40-160				†
2-Chlorotoluene	9.75	1.0	µg/L	10.0		97.5	70-130				
4-Chlorotoluene	9.57	1.0	µg/L	10.0		95.7	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	9.22	5.0	µg/L	10.0		92.2	70-130				
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130				
Dibromomethane	10.9	1.0	µg/L	10.0		109	70-130				
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130				
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130				
1,4-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130				
trans-1,4-Dichloro-2-butene	7.51	2.0	µg/L	10.0		75.1	70-130			V-05	
Dichlorodifluoromethane (Freon 12)	12.7	2.0	µg/L	10.0		127	40-160				†
1,1-Dichloroethane	11.7	1.0	µg/L	10.0		117	70-130				
1,2-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130				
1,1-Dichloroethylene	11.2	1.0	µg/L	10.0		112	70-130				
cis-1,2-Dichloroethylene	11.4	1.0	µg/L	10.0		114	70-130				
trans-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130				
1,2-Dichloropropane	11.8	1.0	µg/L	10.0		118	70-130				
1,3-Dichloropropane	11.0	0.50	µg/L	10.0		110	70-130				
2,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	40-130				†
1,1-Dichloropropene	11.0	2.0	µg/L	10.0		110	70-130				
cis-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130				
trans-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130				
Diethyl Ether	10.9	2.0	µg/L	10.0		109	70-130				
Diisopropyl Ether (DIPE)	12.0	0.50	µg/L	10.0		120	70-130				
1,4-Dioxane	84.9	50	µg/L	100		84.9	40-130				†
Ethylbenzene	10.0	1.0	µg/L	10.0		100	70-130				
Hexachlorobutadiene	11.6	0.60	µg/L	10.0		116	70-130				
2-Hexanone (MBK)	104	10	µg/L	100		104	70-160				†
Isopropylbenzene (Cumene)	9.10	1.0	µg/L	10.0		91.0	70-130				
p-Isopropyltoluene (p-Cymene)	9.84	1.0	µg/L	10.0		98.4	70-130				
Methyl Acetate	10.8	1.0	µg/L	10.0		108	70-130				
Methyl tert-Butyl Ether (MTBE)	10.2	1.0	µg/L	10.0		102	70-130				
Methyl Cyclohexane	11.6	1.0	µg/L	10.0		116	70-130				
Methylene Chloride	11.7	5.0	µg/L	10.0		117	70-130				
4-Methyl-2-pentanone (MIBK)	105	10	µg/L	100		105	70-160				†
Naphthalene	7.03	2.0	µg/L	10.0		70.3	40-130			V-05	†
n-Propylbenzene	9.59	1.0	µg/L	10.0		95.9	70-130				
Styrene	9.05	1.0	µg/L	10.0		90.5	70-130				
1,1,1,2-Tetrachloroethane	9.99	1.0	µg/L	10.0		99.9	70-130				
1,1,2,2-Tetrachloroethane	9.89	0.50	µg/L	10.0		98.9	70-130				
Tetrachloroethylene	10.7	1.0	µg/L	10.0		107	70-130				
Tetrahydrofuran	10.5	10	µg/L	10.0		105	70-130				
Toluene	11.2	1.0	µg/L	10.0		112	70-130				
1,2,3-Trichlorobenzene	8.32	5.0	µg/L	10.0		83.2	70-130				
1,2,4-Trichlorobenzene	8.35	1.0	µg/L	10.0		83.5	70-130				
1,3,5-Trichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130				
1,1,1-Trichloroethane	11.3	1.0	µg/L	10.0		113	70-130				
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130				
Trichloroethylene	10.9	1.0	µg/L	10.0		109	70-130				
Trichlorofluoromethane (Freon 11)	11.1	2.0	µg/L	10.0		111	70-130				
1,2,3-Trichloropropane	11.8	2.0	µg/L	10.0		118	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 B349030 - SW-846 5030B												
LCS (B349030-BS1)				Prepared & Analyzed: 08/15/23								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3	1.0	µg/L	10.0		113		70-130				
1,2,4-Trimethylbenzene	9.94	1.0	µg/L	10.0		99.4		70-130				
1,3,5-Trimethylbenzene	9.28	1.0	µg/L	10.0		92.8		70-130				
Vinyl Chloride	13.0	2.0	µg/L	10.0		130		40-160				†
m+p Xylene	19.5	2.0	µg/L	20.0		97.4		70-130				
o-Xylene	9.16	1.0	µg/L	10.0		91.6		70-130				
Surrogate: 1,2-Dichloroethane-d4	*27.5*		µg/L	25.0		110		70-130				
Surrogate: Toluene-d8	*26.6*		µg/L	25.0		107		70-130				
Surrogate: 4-Bromofluorobenzene	*22.4*		µg/L	25.0		89.7		70-130				
LCS Dup (B349030-BSD1)				Prepared & Analyzed: 08/15/23								
Acetone	118	50	µg/L	100		118		70-160	1.44	25		†
Acrylonitrile	10.4	5.0	µg/L	10.0		104		70-130	6.39	25		
tert-Amyl Methyl Ether (TAME)	9.50	0.50	µg/L	10.0		95.0		70-130	2.39	25		
Benzene	11.5	1.0	µg/L	10.0		115		70-130	4.92	25		
Bromobenzene	10.2	1.0	µg/L	10.0		102		70-130	3.07	25		
Bromochloromethane	13.2	1.0	µg/L	10.0		**132**	*	70-130	0.684	25	L-02	
Bromodichloromethane	10.8	0.50	µg/L	10.0		108		70-130	0.834	25		
Bromoform	8.06	1.0	µg/L	10.0		80.6		70-130	9.90	25		
Bromomethane	14.8	2.0	µg/L	10.0		148		40-160	4.77	25		†
2-Butanone (MEK)	127	20	µg/L	100		127		40-160	0.633	25		†
tert-Butyl Alcohol (TBA)	86.1	20	µg/L	100		86.1		40-160	2.32	25		†
n-Butylbenzene	11.4	1.0	µg/L	10.0		114		70-130	4.56	25		
sec-Butylbenzene	10.3	1.0	µg/L	10.0		103		70-130	2.26	25		
tert-Butylbenzene	9.63	1.0	µg/L	10.0		96.3		70-130	1.57	25		
tert-Butyl Ethyl Ether (TBEE)	10.6	0.50	µg/L	10.0		106		70-130	2.43	25		
Carbon Disulfide	110	5.0	µg/L	100		110		70-130	5.55	25		
Carbon Tetrachloride	9.01	5.0	µg/L	10.0		90.1		70-130	5.82	25		
Chlorobenzene	10.3	1.0	µg/L	10.0		103		70-130	2.30	25		
Chlorodibromomethane	9.66	0.50	µg/L	10.0		96.6		70-130	3.76	25		
Chloroethane	10.6	2.0	µg/L	10.0		106		70-130	7.62	25		
Chloroform	10.9	2.0	µg/L	10.0		109		70-130	5.43	25		
Chloromethane	11.8	2.0	µg/L	10.0		118		40-160	3.76	25		†
2-Chlorotoluene	9.75	1.0	µg/L	10.0		97.5		70-130	0.00	25		
4-Chlorotoluene	9.60	1.0	µg/L	10.0		96.0		70-130	0.313	25		
1,2-Dibromo-3-chloropropane (DBCP)	9.45	5.0	µg/L	10.0		94.5		70-130	2.46	25		
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106		70-130	0.566	25		
Dibromomethane	10.5	1.0	µg/L	10.0		105		70-130	3.46	25		
1,2-Dichlorobenzene	10.8	1.0	µg/L	10.0		108		70-130	5.02	25		
1,3-Dichlorobenzene	11.0	1.0	µg/L	10.0		110		70-130	4.85	25		
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102		70-130	5.05	25		
trans-1,4-Dichloro-2-butene	7.48	2.0	µg/L	10.0		74.8		70-130	0.400	25	V-05	
Dichlorodifluoromethane (Freon 12)	12.5	2.0	µg/L	10.0		125		40-160	1.66	25		†
1,1-Dichloroethane	11.1	1.0	µg/L	10.0		111		70-130	4.56	25		
1,2-Dichloroethane	10.5	1.0	µg/L	10.0		105		70-130	2.54	25		
1,1-Dichloroethylene	10.6	1.0	µg/L	10.0		106		70-130	5.48	25		
cis-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108		70-130	4.86	25		
trans-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104		70-130	4.31	25		
1,2-Dichloropropane	11.4	1.0	µg/L	10.0		114		70-130	2.76	25		
1,3-Dichloropropane	10.8	0.50	µg/L	10.0		108		70-130	1.65	25		
2,2-Dichloropropane	10.1	1.0	µg/L	10.0		101		40-130	4.65	25		†
1,1-Dichloropropene	10.8	2.0	µg/L	10.0		108		70-130	1.38	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 B349030 - SW-846 5030B											
LCS Dup (B349030-BSD1)				Prepared & Analyzed: 08/15/23							
cis-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130	1.21	25		
trans-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130	0.477	25		
Diethyl Ether	10.4	2.0	µg/L	10.0		104	70-130	4.60	25		
Diisopropyl Ether (DIPE)	11.8	0.50	µg/L	10.0		118	70-130	2.44	25		
1,4-Dioxane	89.6	50	µg/L	100		89.6	40-130	5.41	50		† ‡
Ethylbenzene	9.86	1.0	µg/L	10.0		98.6	70-130	1.61	25		
Hexachlorobutadiene	12.2	0.60	µg/L	10.0		122	70-130	5.64	25		
2-Hexanone (MBK)	101	10	µg/L	100		101	70-160	2.72	25		†
Isopropylbenzene (Cumene)	9.06	1.0	µg/L	10.0		90.6	70-130	0.441	25		
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.0		102	70-130	3.89	25		
Methyl Acetate	10.5	1.0	µg/L	10.0		105	70-130	2.82	25		
Methyl tert-Butyl Ether (MTBE)	9.77	1.0	µg/L	10.0		97.7	70-130	4.50	25		
Methyl Cyclohexane	11.0	1.0	µg/L	10.0		110	70-130	5.84	25		
Methylene Chloride	11.1	5.0	µg/L	10.0		111	70-130	5.08	25		
4-Methyl-2-pentanone (MIBK)	105	10	µg/L	100		105	70-160	0.0382	25		†
Naphthalene	7.70	2.0	µg/L	10.0		77.0	40-130	9.10	25	V-05	†
n-Propylbenzene	9.46	1.0	µg/L	10.0		94.6	70-130	1.36	25		
Styrene	9.33	1.0	µg/L	10.0		93.3	70-130	3.05	25		
1,1,1,2-Tetrachloroethane	9.70	1.0	µg/L	10.0		97.0	70-130	2.95	25		
1,1,2,2-Tetrachloroethane	9.93	0.50	µg/L	10.0		99.3	70-130	0.404	25		
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130	2.95	25		
Tetrahydrofuran	11.5	10	µg/L	10.0		115	70-130	9.06	25		
Toluene	10.6	1.0	µg/L	10.0		106	70-130	5.34	25		
1,2,3-Trichlorobenzene	8.95	5.0	µg/L	10.0		89.5	70-130	7.30	25		
1,2,4-Trichlorobenzene	8.70	1.0	µg/L	10.0		87.0	70-130	4.11	25		
1,3,5-Trichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	4.56	25		
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	6.39	25		
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	0.650	25		
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	3.08	25		
Trichlorofluoromethane (Freon 11)	10.4	2.0	µg/L	10.0		104	70-130	7.06	25		
1,2,3-Trichloropropane	12.0	2.0	µg/L	10.0		120	70-130	1.26	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8	1.0	µg/L	10.0		108	70-130	4.43	25		
1,2,4-Trimethylbenzene	10.4	1.0	µg/L	10.0		104	70-130	4.43	25		
1,3,5-Trimethylbenzene	9.15	1.0	µg/L	10.0		91.5	70-130	1.41	25		
Vinyl Chloride	12.2	2.0	µg/L	10.0		122	40-160	6.17	25		†
m+p Xylene	19.2	2.0	µg/L	20.0		96.0	70-130	1.40	25		
o-Xylene	9.05	1.0	µg/L	10.0		90.5	70-130	1.21	25		
Surrogate: 1,2-Dichloroethane-d4	*27.2*		µg/L	25.0		109	70-130				
Surrogate: Toluene-d8	*25.5*		µg/L	25.0		102	70-130				
Surrogate: 4-Bromofluorobenzene	*22.1*		µg/L	25.0		88.2	70-130				
Batch B349031 - SW-846 5030B											
Blank (B349031-BLK1)				Prepared & Analyzed: 08/15/23							
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							V-05	

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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 B349031 - SW-846 5030B										
Blank (B349031-BLK1)				Prepared & Analyzed: 08/15/23						
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							L-04, 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							V-05
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							
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							

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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 B349031 - SW-846 5030B											
Blank (B349031-BLK1)				Prepared & Analyzed: 08/15/23							
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							V-05	
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	*28.9*		µg/L	25.0		115	70-130				
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.2	70-130				
Surrogate: 4-Bromofluorobenzene	*21.0*		µg/L	25.0		83.8	70-130				
LCS (B349031-BS1)				Prepared & Analyzed: 08/15/23							
Acetone	107	50	µg/L	100		107	70-160				†
Acrylonitrile	9.49	5.0	µg/L	10.0		94.9	70-130				
tert-Amyl Methyl Ether (TAME)	9.03	0.50	µg/L	10.0		90.3	70-130				
Benzene	11.2	1.0	µg/L	10.0		112	70-130				
Bromobenzene	9.75	1.0	µg/L	10.0		97.5	70-130				
Bromochloromethane	12.6	1.0	µg/L	10.0		126	70-130				
Bromodichloromethane	10.5	0.50	µg/L	10.0		105	70-130				
Bromoform	7.53	1.0	µg/L	10.0		75.3	70-130			V-05	
Bromomethane	14.1	2.0	µg/L	10.0		141	40-160				†
2-Butanone (MEK)	116	20	µg/L	100		116	40-160				†
tert-Butyl Alcohol (TBA)	78.7	20	µg/L	100		78.7	40-160				†
n-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130				
sec-Butylbenzene	9.43	1.0	µg/L	10.0		94.3	70-130				
tert-Butylbenzene	8.78	1.0	µg/L	10.0		87.8	70-130				
tert-Butyl Ethyl Ether (TBEE)	10.1	0.50	µg/L	10.0		101	70-130				
Carbon Disulfide	108	5.0	µg/L	100		108	70-130				
Carbon Tetrachloride	9.28	5.0	µg/L	10.0		92.8	70-130				
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130				
Chlorodibromomethane	9.25	0.50	µg/L	10.0		92.5	70-130				
Chloroethane	10.8	2.0	µg/L	10.0		108	70-130				
Chloroform	11.3	2.0	µg/L	10.0		113	70-130				
Chloromethane	12.3	2.0	µg/L	10.0		123	40-160				†
2-Chlorotoluene	9.35	1.0	µg/L	10.0		93.5	70-130				
4-Chlorotoluene	9.15	1.0	µg/L	10.0		91.5	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.82	5.0	µg/L	10.0		88.2	70-130				
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130				
Dibromomethane	10.6	1.0	µg/L	10.0		106	70-130				
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130				
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B349031 - SW-846 5030B												
LCS (B349031-BS1)				Prepared & Analyzed: 08/15/23								
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105		70-130				
trans-1,4-Dichloro-2-butene	6.97	2.0	µg/L	10.0		**69.7**	*	70-130			L-04, V-05	
Dichlorodifluoromethane (Freon 12)	12.3	2.0	µg/L	10.0		123		40-160				†
1,1-Dichloroethane	11.5	1.0	µg/L	10.0		115		70-130				
1,2-Dichloroethane	10.1	1.0	µg/L	10.0		101		70-130				
1,1-Dichloroethylene	11.1	1.0	µg/L	10.0		111		70-130				
cis-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109		70-130				
trans-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105		70-130				
1,2-Dichloropropane	11.4	1.0	µg/L	10.0		114		70-130				
1,3-Dichloropropane	10.1	0.50	µg/L	10.0		101		70-130				
2,2-Dichloropropane	9.13	1.0	µg/L	10.0		91.3		40-130				†
1,1-Dichloropropene	10.6	2.0	µg/L	10.0		106		70-130				
cis-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103		70-130				
trans-1,3-Dichloropropene	9.92	0.50	µg/L	10.0		99.2		70-130				
Diethyl Ether	10.9	2.0	µg/L	10.0		109		70-130				
Diisopropyl Ether (DIPE)	11.5	0.50	µg/L	10.0		115		70-130				
1,4-Dioxane	83.4	50	µg/L	100		83.4		40-130			V-05	†
Ethylbenzene	9.94	1.0	µg/L	10.0		99.4		70-130				
Hexachlorobutadiene	11.1	0.60	µg/L	10.0		111		70-130				
2-Hexanone (MBK)	98.3	10	µg/L	100		98.3		70-160				†
Isopropylbenzene (Cumene)	8.67	1.0	µg/L	10.0		86.7		70-130				
p-Isopropyltoluene (p-Cymene)	9.20	1.0	µg/L	10.0		92.0		70-130				
Methyl Acetate	10.3	1.0	µg/L	10.0		103		70-130				
Methyl tert-Butyl Ether (MTBE)	9.72	1.0	µg/L	10.0		97.2		70-130				
Methyl Cyclohexane	10.0	1.0	µg/L	10.0		100		70-130				
Methylene Chloride	11.4	5.0	µg/L	10.0		114		70-130				
4-Methyl-2-pentanone (MIBK)	97.4	10	µg/L	100		97.4		70-160				†
Naphthalene	6.48	2.0	µg/L	10.0		64.8		40-130			V-05	†
n-Propylbenzene	8.99	1.0	µg/L	10.0		89.9		70-130				
Styrene	8.59	1.0	µg/L	10.0		85.9		70-130				
1,1,1,2-Tetrachloroethane	9.81	1.0	µg/L	10.0		98.1		70-130				
1,1,2,2-Tetrachloroethane	9.60	0.50	µg/L	10.0		96.0		70-130				
Tetrachloroethylene	10.1	1.0	µg/L	10.0		101		70-130				
Tetrahydrofuran	10.4	10	µg/L	10.0		104		70-130				
Toluene	10.5	1.0	µg/L	10.0		105		70-130				
1,2,3-Trichlorobenzene	7.80	5.0	µg/L	10.0		78.0		70-130				
1,2,4-Trichlorobenzene	7.81	1.0	µg/L	10.0		78.1		70-130			V-05	
1,3,5-Trichlorobenzene	9.39	1.0	µg/L	10.0		93.9		70-130				
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110		70-130				
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105		70-130				
Trichloroethylene	11.1	1.0	µg/L	10.0		111		70-130				
Trichlorofluoromethane (Freon 11)	10.6	2.0	µg/L	10.0		106		70-130				
1,2,3-Trichloropropane	11.4	2.0	µg/L	10.0		114		70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	1.0	µg/L	10.0		104		70-130				
1,2,4-Trimethylbenzene	9.63	1.0	µg/L	10.0		96.3		70-130				
1,3,5-Trimethylbenzene	9.10	1.0	µg/L	10.0		91.0		70-130				
Vinyl Chloride	12.4	2.0	µg/L	10.0		124		40-160				†
m+p Xylene	18.9	2.0	µg/L	20.0		94.7		70-130				
o-Xylene	9.07	1.0	µg/L	10.0		90.7		70-130				
Surrogate: 1,2-Dichloroethane-d4	*26.5*		µg/L	25.0		106		70-130				
Surrogate: Toluene-d8	*25.8*		µg/L	25.0		103		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B349031 - SW-846 5030B												
LCS (B349031-BS1)				Prepared & Analyzed: 08/15/23								
Surrogate: 4-Bromofluorobenzene	*22.6*		µg/L	25.0		90.6		70-130				
LCS Dup (B349031-BSD1)				Prepared & Analyzed: 08/15/23								
Acetone	115	50	µg/L	100		115		70-160	6.62	25		†
Acrylonitrile	10.6	5.0	µg/L	10.0		106		70-130	11.3	25		
tert-Amyl Methyl Ether (TAME)	9.13	0.50	µg/L	10.0		91.3		70-130	1.10	25		
Benzene	11.5	1.0	µg/L	10.0		115		70-130	2.02	25		
Bromobenzene	9.14	1.0	µg/L	10.0		91.4		70-130	6.46	25		
Bromochloromethane	12.7	1.0	µg/L	10.0		127		70-130	0.395	25		
Bromodichloromethane	10.4	0.50	µg/L	10.0		104		70-130	0.670	25		
Bromoform	7.38	1.0	µg/L	10.0		73.8		70-130	2.01	25	V-05	
Bromomethane	13.7	2.0	µg/L	10.0		137		40-160	2.73	25		†
2-Butanone (MEK)	120	20	µg/L	100		120		40-160	3.72	25		†
tert-Butyl Alcohol (TBA)	81.4	20	µg/L	100		81.4		40-160	3.27	25		†
n-Butylbenzene	9.54	1.0	µg/L	10.0		95.4		70-130	7.27	25		
sec-Butylbenzene	9.07	1.0	µg/L	10.0		90.7		70-130	3.89	25		
tert-Butylbenzene	8.70	1.0	µg/L	10.0		87.0		70-130	0.915	25		
tert-Butyl Ethyl Ether (TBEE)	10.0	0.50	µg/L	10.0		100		70-130	0.892	25		
Carbon Disulfide	109	5.0	µg/L	100		109		70-130	0.959	25		
Carbon Tetrachloride	9.26	5.0	µg/L	10.0		92.6		70-130	0.216	25		
Chlorobenzene	9.67	1.0	µg/L	10.0		96.7		70-130	5.24	25		
Chlorodibromomethane	9.27	0.50	µg/L	10.0		92.7		70-130	0.216	25		
Chloroethane	10.8	2.0	µg/L	10.0		108		70-130	0.278	25		
Chloroform	11.3	2.0	µg/L	10.0		113		70-130	0.177	25		
Chloromethane	11.6	2.0	µg/L	10.0		116		40-160	5.68	25		†
2-Chlorotoluene	9.39	1.0	µg/L	10.0		93.9		70-130	0.427	25		
4-Chlorotoluene	9.03	1.0	µg/L	10.0		90.3		70-130	1.32	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.35	5.0	µg/L	10.0		83.5		70-130	5.47	25		
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.0		100		70-130	0.298	25		
Dibromomethane	10.3	1.0	µg/L	10.0		103		70-130	3.35	25		
1,2-Dichlorobenzene	9.59	1.0	µg/L	10.0		95.9		70-130	7.14	25		
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101		70-130	0.688	25		
1,4-Dichlorobenzene	9.57	1.0	µg/L	10.0		95.7		70-130	9.27	25		
trans-1,4-Dichloro-2-butene	6.72	2.0	µg/L	10.0		**67.2**	*	70-130	3.65	25	L-04, V-05	
Dichlorodifluoromethane (Freon 12)	12.3	2.0	µg/L	10.0		123		40-160	0.407	25		†
1,1-Dichloroethane	11.4	1.0	µg/L	10.0		114		70-130	0.699	25		
1,2-Dichloroethane	10.0	1.0	µg/L	10.0		100		70-130	0.797	25		
1,1-Dichloroethylene	11.1	1.0	µg/L	10.0		111		70-130	0.0899	25		
cis-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108		70-130	0.735	25		
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106		70-130	0.853	25		
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108		70-130	5.34	25		
1,3-Dichloropropane	10.2	0.50	µg/L	10.0		102		70-130	1.38	25		
2,2-Dichloropropane	8.96	1.0	µg/L	10.0		89.6		40-130	1.88	25		†
1,1-Dichloropropene	10.5	2.0	µg/L	10.0		105		70-130	0.285	25		
cis-1,3-Dichloropropene	9.98	0.50	µg/L	10.0		99.8		70-130	3.35	25		
trans-1,3-Dichloropropene	9.59	0.50	µg/L	10.0		95.9		70-130	3.38	25		
Diethyl Ether	10.7	2.0	µg/L	10.0		107		70-130	2.22	25		
Diisopropyl Ether (DIPE)	11.4	0.50	µg/L	10.0		114		70-130	0.873	25		
1,4-Dioxane	79.8	50	µg/L	100		79.8		40-130	4.41	50	V-05	† ‡
Ethylbenzene	9.64	1.0	µg/L	10.0		96.4		70-130	3.06	25		
Hexachlorobutadiene	10.1	0.60	µg/L	10.0		101		70-130	9.64	25		
2-Hexanone (MBK)	100	10	µg/L	100		100		70-160	2.01	25		†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B349031 - SW-846 5030B											
LCS Dup (B349031-BSD1)				Prepared & Analyzed: 08/15/23							
Isopropylbenzene (Cumene)	8.41	1.0	µg/L	10.0		84.1	70-130	3.04	25		
p-Isopropyltoluene (p-Cymene)	8.77	1.0	µg/L	10.0		87.7	70-130	4.79	25		
Methyl Acetate	10.4	1.0	µg/L	10.0		104	70-130	0.771	25		
Methyl tert-Butyl Ether (MTBE)	9.93	1.0	µg/L	10.0		99.3	70-130	2.14	25		
Methyl Cyclohexane	10.1	1.0	µg/L	10.0		101	70-130	0.695	25		
Methylene Chloride	11.3	5.0	µg/L	10.0		113	70-130	0.793	25		
4-Methyl-2-pentanone (MIBK)	98.0	10	µg/L	100		98.0	70-160	0.645	25		†
Naphthalene	6.35	2.0	µg/L	10.0		63.5	40-130	2.03	25	V-05	†
n-Propylbenzene	8.69	1.0	µg/L	10.0		86.9	70-130	3.39	25		
Styrene	8.57	1.0	µg/L	10.0		85.7	70-130	0.233	25		
1,1,1,2-Tetrachloroethane	9.58	1.0	µg/L	10.0		95.8	70-130	2.37	25		
1,1,2,2-Tetrachloroethane	8.91	0.50	µg/L	10.0		89.1	70-130	7.46	25		
Tetrachloroethylene	9.96	1.0	µg/L	10.0		99.6	70-130	0.999	25		
Tetrahydrofuran	10.2	10	µg/L	10.0		102	70-130	2.03	25		
Toluene	10.2	1.0	µg/L	10.0		102	70-130	2.32	25		
1,2,3-Trichlorobenzene	7.66	5.0	µg/L	10.0		76.6	70-130	1.81	25		
1,2,4-Trichlorobenzene	7.07	1.0	µg/L	10.0		70.7	70-130	9.95	25	V-05	
1,3,5-Trichlorobenzene	9.19	1.0	µg/L	10.0		91.9	70-130	2.15	25		
1,1,1-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130	2.39	25		
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130	3.19	25		
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	5.65	25		
Trichlorofluoromethane (Freon 11)	10.8	2.0	µg/L	10.0		108	70-130	1.97	25		
1,2,3-Trichloropropane	11.1	2.0	µg/L	10.0		111	70-130	2.39	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7	1.0	µg/L	10.0		107	70-130	2.56	25		
1,2,4-Trimethylbenzene	9.08	1.0	µg/L	10.0		90.8	70-130	5.88	25		
1,3,5-Trimethylbenzene	8.89	1.0	µg/L	10.0		88.9	70-130	2.33	25		
Vinyl Chloride	12.2	2.0	µg/L	10.0		122	40-160	1.22	25		†
m+p Xylene	18.5	2.0	µg/L	20.0		92.3	70-130	2.57	25		
o-Xylene	8.88	1.0	µg/L	10.0		88.8	70-130	2.12	25		
Surrogate: 1,2-Dichloroethane-d4	*27.2*		µg/L	25.0		109	70-130				
Surrogate: Toluene-d8	*26.4*		µg/L	25.0		106	70-130				
Surrogate: 4-Bromofluorobenzene	*22.5*		µg/L	25.0		90.2	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.
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.
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
SW-846 8260D in Water	
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
SW-846 8260D in Water	
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

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

23H1908 KM

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

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

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	EPA Method 8260	Target Compound List	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	1 System Influent	WT	G			08/08/23	9:10		3				3						X			
2	2 System Middle	WT	G			08/08/23	9:15		3				3						X			
3	3 System Effluent	WT	G			08/08/23	9:20		3				3						X			
4	4																					
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Trip Black for lab use : No Charge	/ GeoLogic	8/8/23	17:00	GeoLogic Sample Frig	8/9/23	17:00	
	GeoLogic Sample Frig	8/10/23	1225		8/10/23	1225	
		8/11/23	0925		8/11/23	0925	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joseph Menzel

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8/8/23

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 30 days.

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

Table of Contents

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

Log In Back-Sheet

Client Geologic NY

Project Winartic (#219010)

MCP/RCP Required no

Deliverable Package Requirement none

Location NY

PWSID# (When Applicable) n/a

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time Mcm 8/11/23 0955

Back-Sheet By / Date / Time Mcm 8/11/23 1457

Temperature Method Gun # 5

Temp < 6° C Actual Temperature 5.7

Rush Samples: Yes / No Notify No

Short Hold: Yes / No Notify No

Notes regarding Samples/COC outside of SOP:

* Trip blanks 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: N/A ☐ ☐

Additional Container Notes

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

Qualtrax ID: 120836

Qualtrax ID: 120836

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

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	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	Ammonium Acetate	NaOH/Zinc	Unpreserved									
1																							3									
2																							3									
3																							3									
4																							2									
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September 26, 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: 23I2416

Enclosed are results of analyses for samples as received by the laboratory on September 20, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kyle A. Murray
Project Manager

Table of Contents

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: 9/26/2023

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 218010

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23I2416

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	23I2416-01	Water		SW-846 8260D	
System Middle	23I2416-02	Water		SW-846 8260D	
System Effluent	23I2416-03	Water		SW-846 8260D	
Trip Blank	23I2416-04	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:

23I2416-01[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:

Bromomethane

23I2416-01[System Influent], 23I2416-02[System Middle], 23I2416-03[System Effluent], 23I2416-04[Trip Blank], B352674-BLK1, B352674-BS1, B352674-BSD1, S093898-CCV1

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

Lisa A. Worthington
Technical Representative

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

Project Location: NY | Sample Description: | Work Order: 23I2416

Date Received: 9/20/2023

Field Sample #: System Influent | Sampled: 9/19/2023 09:45

Sample ID: 23I2416-01

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	9/21/23	9/23/23 0:55	LBD
Acrylonitrile	ND	10	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
tert-Amyl Methyl Ether (TAME)	ND	1.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Benzene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Bromobenzene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Bromochloromethane	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Bromodichloromethane	ND	1.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Bromoform	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Bromomethane	ND	4.0	µg/L	2	V-05	SW-846 8260D	9/21/23	9/23/23 0:55	LBD
2-Butanone (MEK)	ND	40	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
tert-Butyl Alcohol (TBA)	ND	40	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
n-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
sec-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
tert-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Carbon Disulfide	ND	10	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Carbon Tetrachloride	ND	10	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Chlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Chlorodibromomethane	ND	1.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Chloroethane	ND	4.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Chloroform	ND	4.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Chloromethane	ND	4.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
2-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
4-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Dibromomethane	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
trans-1,4-Dichloro-2-butene	ND	4.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Dichlorodifluoromethane (Freon 12)	ND	4.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,1-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,2-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
cis-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,3-Dichloropropane	ND	1.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
2,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,1-Dichloropropene	ND	4.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
cis-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Diethyl Ether	ND	4.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD

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

Project Location: NY | Sample Description: | Work Order: 23I2416

Date Received: 9/20/2023

Field Sample #: System Influent | Sampled: 9/19/2023 09:45

Sample ID: 23I2416-01

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	9/21/23	9/23/23 0:55	LBD
1,4-Dioxane	ND	100	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Ethylbenzene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Hexachlorobutadiene	ND	1.2	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
2-Hexanone (MBK)	ND	20	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Isopropylbenzene (Cumene)	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
p-Isopropyltoluene (p-Cymene)	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Methyl Acetate	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Methyl Cyclohexane	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Methylene Chloride	ND	10	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
4-Methyl-2-pentanone (MIBK)	ND	20	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Naphthalene	ND	4.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
n-Propylbenzene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Styrene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Tetrachloroethylene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Tetrahydrofuran	ND	20	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Toluene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,2,3-Trichlorobenzene	ND	10	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,3,5-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,1,1-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Trichloroethylene	260	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Trichlorofluoromethane (Freon 11)	ND	4.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,2,3-Trichloropropane	ND	4.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,2,4-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
1,3,5-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
Vinyl Chloride	ND	4.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
m+p Xylene	ND	4.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD
o-Xylene	ND	2.0	µg/L	2		SW-846 8260D	9/21/23	9/23/23 0:55	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.1	70-130		9/23/23 0:55
Toluene-d8	102	70-130		9/23/23 0:55
4-Bromofluorobenzene	101	70-130		9/23/23 0:55

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Project Location: NY | Sample Description: | Work Order: 23I2416

Date Received: 9/20/2023

Field Sample #: System Middle | Sampled: 9/19/2023 09:40

Sample ID: 23I2416-02

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	9/21/23	9/23/23 0:03	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	9/21/23	9/23/23 0:03	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD

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

Project Location: NY | Sample Description: | Work Order: 23I2416

Date Received: 9/20/2023

Field Sample #: System Middle | Sampled: 9/19/2023 09:40

Sample ID: 23I2416-02

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	9/21/23	9/23/23 0:03	LBD
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:03	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.8	70-130		9/23/23 0:03
Toluene-d8	101	70-130		9/23/23 0:03
4-Bromofluorobenzene	103	70-130		9/23/23 0:03

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

Project Location: NY | Sample Description: | Work Order: 23I2416

Date Received: 9/20/2023

Field Sample #: System Effluent | Sampled: 9/19/2023 09:35

Sample ID: 23I2416-03

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	9/21/23	9/23/23 0:29	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	9/21/23	9/23/23 0:29	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD

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Project Location: NY | Sample Description: | Work Order: 23I2416

Date Received: 9/20/2023

Field Sample #: System Effluent | Sampled: 9/19/2023 09:35

Sample ID: 23I2416-03

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	9/21/23	9/23/23 0:29	LBD
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/23/23 0:29	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.2	70-130		9/23/23 0:29
Toluene-d8	100	70-130		9/23/23 0:29
4-Bromofluorobenzene	101	70-130		9/23/23 0:29

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Project Location: NY | Sample Description: | Work Order: 23I2416

Date Received: 9/20/2023

Field Sample #: Trip Blank | Sampled: 9/19/2023 00:00

Sample ID: 23I2416-04

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	9/21/23	9/22/23 23:36	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	9/21/23	9/22/23 23:36	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD

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Project Location: NY | Sample Description: | Work Order: 23I2416

Date Received: 9/20/2023

Field Sample #: Trip Blank | Sampled: 9/19/2023 00:00

Sample ID: 23I2416-04

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	9/21/23	9/22/23 23:36	LBD
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	9/21/23	9/22/23 23:36	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	90.4	70-130		9/22/23	23:36
Toluene-d8	101	70-130		9/22/23	23:36
4-Bromofluorobenzene	100	70-130		9/22/23	23:36

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23I2416-01 [System Influent]	B352674	2.5	5.00	09/21/23
23I2416-02 [System Middle]	B352674	5	5.00	09/21/23
23I2416-03 [System Effluent]	B352674	5	5.00	09/21/23
23I2416-04 [Trip Blank]	B352674	5	5.00	09/21/23

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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 B352674 - SW-846 5030B										
Blank (B352674-BLK1)				Prepared: 09/21/23 Analyzed: 09/22/23						
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							V-05
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							

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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 B352674 - SW-846 5030B											
Blank (B352674-BLK1)				Prepared: 09/21/23 Analyzed: 09/22/23							
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	*22.2*		µg/L	25.0		88.9	70-130				
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		100	70-130				
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		100	70-130				
LCS (B352674-BS1)				Prepared: 09/21/23 Analyzed: 09/22/23							
Acetone	81.2	50	µg/L	100		81.2	70-160				†
Acrylonitrile	8.71	5.0	µg/L	10.0		87.1	70-130				
tert-Amyl Methyl Ether (TAME)	9.35	0.50	µg/L	10.0		93.5	70-130				
Benzene	9.56	1.0	µg/L	10.0		95.6	70-130				
Bromobenzene	10.5	1.0	µg/L	10.0		105	70-130				
Bromochloromethane	9.94	1.0	µg/L	10.0		99.4	70-130				
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130				
Bromoform	10.0	1.0	µg/L	10.0		100	70-130				
Bromomethane	9.08	2.0	µg/L	10.0		90.8	40-160			V-05	†
2-Butanone (MEK)	84.7	20	µg/L	100		84.7	40-160				†
tert-Butyl Alcohol (TBA)	80.6	20	µg/L	100		80.6	40-160				†
n-Butylbenzene	8.66	1.0	µg/L	10.0		86.6	70-130				
sec-Butylbenzene	9.04	1.0	µg/L	10.0		90.4	70-130				
tert-Butylbenzene	9.41	1.0	µg/L	10.0		94.1	70-130				
tert-Butyl Ethyl Ether (TBEE)	9.11	0.50	µg/L	10.0		91.1	70-130				
Carbon Disulfide	102	5.0	µg/L	100		102	70-130				
Carbon Tetrachloride	8.95	5.0	µg/L	10.0		89.5	70-130				
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130				
Chlorodibromomethane	10.2	0.50	µg/L	10.0		102	70-130				
Chloroethane	10.4	2.0	µg/L	10.0		104	70-130				
Chloroform	9.73	2.0	µg/L	10.0		97.3	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 B352674 - SW-846 5030B										
LCS (B352674-BS1)				Prepared: 09/21/23 Analyzed: 09/22/23						
Chloromethane	8.64	2.0	µg/L	10.0		86.4	40-160			†
2-Chlorotoluene	10.1	1.0	µg/L	10.0		101	70-130			
4-Chlorotoluene	9.88	1.0	µg/L	10.0		98.8	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.98	5.0	µg/L	10.0		89.8	70-130			
1,2-Dibromoethane (EDB)	11.4	0.50	µg/L	10.0		114	70-130			
Dibromomethane	11.6	1.0	µg/L	10.0		116	70-130			
1,2-Dichlorobenzene	10.9	1.0	µg/L	10.0		109	70-130			
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
trans-1,4-Dichloro-2-butene	7.65	2.0	µg/L	10.0		76.5	70-130			
Dichlorodifluoromethane (Freon 12)	9.81	2.0	µg/L	10.0		98.1	40-160			†
1,1-Dichloroethane	9.37	1.0	µg/L	10.0		93.7	70-130			
1,2-Dichloroethane	10.9	1.0	µg/L	10.0		109	70-130			
1,1-Dichloroethylene	9.65	1.0	µg/L	10.0		96.5	70-130			
cis-1,2-Dichloroethylene	9.21	1.0	µg/L	10.0		92.1	70-130			
trans-1,2-Dichloroethylene	9.38	1.0	µg/L	10.0		93.8	70-130			
1,2-Dichloropropane	10.9	1.0	µg/L	10.0		109	70-130			
1,3-Dichloropropane	11.2	0.50	µg/L	10.0		112	70-130			
2,2-Dichloropropane	7.89	1.0	µg/L	10.0		78.9	40-130			†
1,1-Dichloropropene	9.33	2.0	µg/L	10.0		93.3	70-130			
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130			
trans-1,3-Dichloropropene	9.93	0.50	µg/L	10.0		99.3	70-130			
Diethyl Ether	9.60	2.0	µg/L	10.0		96.0	70-130			
Diisopropyl Ether (DIPE)	8.80	0.50	µg/L	10.0		88.0	70-130			
1,4-Dioxane	86.7	50	µg/L	100		86.7	40-130			†
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
Hexachlorobutadiene	9.79	0.60	µg/L	10.0		97.9	70-130			
2-Hexanone (MBK)	96.7	10	µg/L	100		96.7	70-160			†
Isopropylbenzene (Cumene)	9.96	1.0	µg/L	10.0		99.6	70-130			
p-Isopropyltoluene (p-Cymene)	9.06	1.0	µg/L	10.0		90.6	70-130			
Methyl Acetate	9.59	1.0	µg/L	10.0		95.9	70-130			
Methyl tert-Butyl Ether (MTBE)	9.25	1.0	µg/L	10.0		92.5	70-130			
Methyl Cyclohexane	9.88	1.0	µg/L	10.0		98.8	70-130			
Methylene Chloride	8.76	5.0	µg/L	10.0		87.6	70-130			
4-Methyl-2-pentanone (MIBK)	98.5	10	µg/L	100		98.5	70-160			†
Naphthalene	9.49	2.0	µg/L	10.0		94.9	40-130			†
n-Propylbenzene	9.87	1.0	µg/L	10.0		98.7	70-130			
Styrene	10.5	1.0	µg/L	10.0		105	70-130			
1,1,1,2-Tetrachloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108	70-130			
Tetrachloroethylene	11.6	1.0	µg/L	10.0		116	70-130			
Tetrahydrofuran	7.51	10	µg/L	10.0		75.1	70-130			
Toluene	10.7	1.0	µg/L	10.0		107	70-130			
1,2,3-Trichlorobenzene	10.7	5.0	µg/L	10.0		107	70-130			
1,2,4-Trichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
1,3,5-Trichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,1,1-Trichloroethane	9.46	1.0	µg/L	10.0		94.6	70-130			
1,1,2-Trichloroethane	11.6	1.0	µg/L	10.0		116	70-130			
Trichloroethylene	11.5	1.0	µg/L	10.0		115	70-130			
Trichlorofluoromethane (Freon 11)	10.1	2.0	µg/L	10.0		101	70-130			
1,2,3-Trichloropropane	10.7	2.0	µg/L	10.0		107	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B352674 - SW-846 5030B											
LCS (B352674-BS1)				Prepared: 09/21/23 Analyzed: 09/22/23							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3	1.0	µg/L	10.0		103	70-130				
1,2,4-Trimethylbenzene	9.57	1.0	µg/L	10.0		95.7	70-130				
1,3,5-Trimethylbenzene	9.92	1.0	µg/L	10.0		99.2	70-130				
Vinyl Chloride	10.3	2.0	µg/L	10.0		103	40-160				†
m+p Xylene	20.1	2.0	µg/L	20.0		100	70-130				
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130				
Surrogate: 1,2-Dichloroethane-d4	*21.6*		µg/L	25.0		86.5	70-130				
Surrogate: Toluene-d8	*25.9*		µg/L	25.0		104	70-130				
Surrogate: 4-Bromofluorobenzene	*25.6*		µg/L	25.0		102	70-130				
LCS Dup (B352674-BSD1)				Prepared: 09/21/23 Analyzed: 09/22/23							
Acetone	85.1	50	µg/L	100		85.1	70-160	4.74	25		†
Acrylonitrile	9.64	5.0	µg/L	10.0		96.4	70-130	10.1	25		
tert-Amyl Methyl Ether (TAME)	9.70	0.50	µg/L	10.0		97.0	70-130	3.67	25		
Benzene	9.83	1.0	µg/L	10.0		98.3	70-130	2.78	25		
Bromobenzene	10.6	1.0	µg/L	10.0		106	70-130	0.663	25		
Bromochloromethane	10.5	1.0	µg/L	10.0		105	70-130	5.19	25		
Bromodichloromethane	10.5	0.50	µg/L	10.0		105	70-130	1.42	25		
Bromoform	10.3	1.0	µg/L	10.0		103	70-130	2.86	25		
Bromomethane	8.68	2.0	µg/L	10.0		86.8	40-160	4.50	25	V-05	†
2-Butanone (MEK)	89.1	20	µg/L	100		89.1	40-160	5.14	25		†
tert-Butyl Alcohol (TBA)	85.8	20	µg/L	100		85.8	40-160	6.26	25		†
n-Butylbenzene	9.14	1.0	µg/L	10.0		91.4	70-130	5.39	25		
sec-Butylbenzene	9.55	1.0	µg/L	10.0		95.5	70-130	5.49	25		
tert-Butylbenzene	9.74	1.0	µg/L	10.0		97.4	70-130	3.45	25		
tert-Butyl Ethyl Ether (TBEE)	9.54	0.50	µg/L	10.0		95.4	70-130	4.61	25		
Carbon Disulfide	105	5.0	µg/L	100		105	70-130	3.45	25		
Carbon Tetrachloride	9.65	5.0	µg/L	10.0		96.5	70-130	7.53	25		
Chlorobenzene	11.0	1.0	µg/L	10.0		110	70-130	3.42	25		
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108	70-130	5.51	25		
Chloroethane	10.2	2.0	µg/L	10.0		102	70-130	1.85	25		
Chloroform	10.2	2.0	µg/L	10.0		102	70-130	4.23	25		
Chloromethane	9.32	2.0	µg/L	10.0		93.2	40-160	7.57	25		†
2-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130	1.38	25		
4-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130	3.48	25		
1,2-Dibromo-3-chloropropane (DBCP)	9.16	5.0	µg/L	10.0		91.6	70-130	1.98	25		
1,2-Dibromoethane (EDB)	12.1	0.50	µg/L	10.0		121	70-130	5.70	25		
Dibromomethane	11.8	1.0	µg/L	10.0		118	70-130	1.46	25		
1,2-Dichlorobenzene	11.3	1.0	µg/L	10.0		113	70-130	3.52	25		
1,3-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	3.67	25		
1,4-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	2.63	25		
trans-1,4-Dichloro-2-butene	8.25	2.0	µg/L	10.0		82.5	70-130	7.55	25		
Dichlorodifluoromethane (Freon 12)	10.3	2.0	µg/L	10.0		103	40-160	5.16	25		†
1,1-Dichloroethane	9.98	1.0	µg/L	10.0		99.8	70-130	6.30	25		
1,2-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130	2.78	25		
1,1-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	3.76	25		
cis-1,2-Dichloroethylene	9.59	1.0	µg/L	10.0		95.9	70-130	4.04	25		
trans-1,2-Dichloroethylene	9.89	1.0	µg/L	10.0		98.9	70-130	5.29	25		
1,2-Dichloropropane	10.7	1.0	µg/L	10.0		107	70-130	1.39	25		
1,3-Dichloropropane	11.6	0.50	µg/L	10.0		116	70-130	3.95	25		
2,2-Dichloropropane	8.21	1.0	µg/L	10.0		82.1	40-130	3.98	25		†
1,1-Dichloropropene	9.92	2.0	µg/L	10.0		99.2	70-130	6.13	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B352674 - SW-846 5030B										
LCS Dup (B352674-BSD1)				Prepared: 09/21/23 Analyzed: 09/22/23						
cis-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130	5.38	25	
trans-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130	5.77	25	
Diethyl Ether	10.1	2.0	µg/L	10.0		101	70-130	5.18	25	
Diisopropyl Ether (DIPE)	9.11	0.50	µg/L	10.0		91.1	70-130	3.46	25	
1,4-Dioxane	89.9	50	µg/L	100		89.9	40-130	3.61	50	† ‡
Ethylbenzene	10.8	1.0	µg/L	10.0		108	70-130	3.69	25	
Hexachlorobutadiene	10.2	0.60	µg/L	10.0		102	70-130	4.40	25	
2-Hexanone (MBK)	103	10	µg/L	100		103	70-160	6.18	25	†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130	4.13	25	
p-Isopropyltoluene (p-Cymene)	9.50	1.0	µg/L	10.0		95.0	70-130	4.74	25	
Methyl Acetate	10.0	1.0	µg/L	10.0		100	70-130	4.39	25	
Methyl tert-Butyl Ether (MTBE)	9.76	1.0	µg/L	10.0		97.6	70-130	5.37	25	
Methyl Cyclohexane	10.7	1.0	µg/L	10.0		107	70-130	8.25	25	
Methylene Chloride	9.10	5.0	µg/L	10.0		91.0	70-130	3.81	25	
4-Methyl-2-pentanone (MIBK)	105	10	µg/L	100		105	70-160	6.37	25	†
Naphthalene	10.3	2.0	µg/L	10.0		103	40-130	8.38	25	†
n-Propylbenzene	10.1	1.0	µg/L	10.0		101	70-130	2.70	25	
Styrene	10.9	1.0	µg/L	10.0		109	70-130	3.82	25	
1,1,1,2-Tetrachloroethane	11.3	1.0	µg/L	10.0		113	70-130	4.26	25	
1,1,2,2-Tetrachloroethane	11.5	0.50	µg/L	10.0		115	70-130	6.63	25	
Tetrachloroethylene	11.8	1.0	µg/L	10.0		118	70-130	1.45	25	
Tetrahydrofuran	8.36	10	µg/L	10.0		83.6	70-130	10.7	25	
Toluene	11.0	1.0	µg/L	10.0		110	70-130	3.13	25	
1,2,3-Trichlorobenzene	11.4	5.0	µg/L	10.0		114	70-130	6.61	25	
1,2,4-Trichlorobenzene	11.1	1.0	µg/L	10.0		111	70-130	4.42	25	
1,3,5-Trichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	2.76	25	
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130	8.41	25	
1,1,2-Trichloroethane	11.8	1.0	µg/L	10.0		118	70-130	1.62	25	
Trichloroethylene	11.3	1.0	µg/L	10.0		113	70-130	1.32	25	
Trichlorofluoromethane (Freon 11)	11.0	2.0	µg/L	10.0		110	70-130	8.50	25	
1,2,3-Trichloropropane	11.4	2.0	µg/L	10.0		114	70-130	6.80	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7	1.0	µg/L	10.0		107	70-130	3.90	25	
1,2,4-Trimethylbenzene	9.96	1.0	µg/L	10.0		99.6	70-130	3.99	25	
1,3,5-Trimethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	3.86	25	
Vinyl Chloride	10.7	2.0	µg/L	10.0		107	40-160	3.80	25	†
m+p Xylene	20.8	2.0	µg/L	20.0		104	70-130	3.66	25	
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130	2.30	25	
Surrogate: 1,2-Dichloroethane-d4	*21.8*		µg/L	25.0		87.3	70-130			
Surrogate: Toluene-d8	*25.9*		µg/L	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	*25.7*		µg/L	25.0		103	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.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY
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
SW-846 8260D in Water	
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

Pace Analytical
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23L246
MW

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

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 #:	

REGULATORY AGENCY

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

Site Location STATE: NY

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): EPA Method 8260	Target Compound List	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	System Influent	WT	G			09/19/23	9:45		3				3						X			
2	System Middle	WT	G			09/19/23	9:40		3				3						X			
3	System Effluent	WT	G			09/19/23	9:35		3				3						X			
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Trip Black for lab use : No Charge	/ GeoLogic	9/19/23	10:45		9.19.23	10:45
					9-20-23	1015

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	
4.2	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joseph Menzel

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 9/19/23

*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

Table of Contents

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

Log In Back-Sheet

Client Geologic

Project Winthrop

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 AM 4/20/23 1015

Back-Sheet By / Date / Time LA 4/20/23 1337

Temperature Method Gun # 5

Temp ✓ < 6° C Actual Temperature 4.2

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: (N/A) ☐ ☐

Additional Container Notes

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

Qualtrax ID: 120836

Page 1 of 2

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

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

2 1 3

Qualtrax ID: 120836

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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

Table of Contents

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

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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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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
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		11/21/23 4:52
Toluene-d8	101	70-130		11/21/23 4:52
4-Bromofluorobenzene	102	70-130		11/21/23 4:52

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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
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

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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		11/21/23 3:59
Toluene-d8	100	70-130		11/21/23 3:59
4-Bromofluorobenzene	102	70-130		11/21/23 3:59

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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

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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		11/21/23 4:26
Toluene-d8	101	70-130		11/21/23 4:26
4-Bromofluorobenzene	101	70-130		11/21/23 4:26

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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

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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		11/21/23 0:05
Toluene-d8	101	70-130		11/21/23 0:05
4-Bromofluorobenzene	100	70-130		11/21/23 0:05

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				

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A Pace Analytical® Laboratory

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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.
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
SW-846 8260D in Water	
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
SW-846 8260D in Water	
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

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

23/1227%

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: JM

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

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: EPA Method 8260	Target Compound List	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	System Influent	WT	G			11/14/23	11:05		3				3						X			
2	System Middle	WT	G			11/14/23	11:00		3				3						X			
3	System Effluent	WT	G			11/14/23	10:55		3				3						X			
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
Joseph Menzel / GeoLogic	11/14/23	13:00	GeoLogic Sample Frig	11/14/23	13:00
GeoLogic Sample Frig	11/15/23	1000A		11/15/23	1000A
Ryan Mack	11/15	1700		11-16-23	0727

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
2.9	Y	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

*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.

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

Log In Back-Sheet

Client Geologic

Project Wincott

MCP/RCP Required MA

Deliverable Package Requirement NA

Location NA

PWSID# (When Applicable) NA

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time AM 11/6/23 721

Back-Sheet By / Date / Time LA 11/6/23 1334

Temperature Method Gun #5

Temp ✓ < 6° C Actual Temperature 2.9

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

Trip Blank Rec'd but 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: N/A ☐ ☐

Additional Container Notes

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

Pace ANALYTICAL SERVICES	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
16oz Amb/Clear (Circle Amb/Clear)																				
8oz Amb/Clear																				
4oz Amb/Clear																				
2oz Amb/Clear																				
Unpreserved (1 Liter)																				
HCL (1 Liter)																				
Sulfuric (1 Liter)																				
Sulfuric (250mL)																				
Phosphoric (250mL)																				
HCl (250mL)																				
Unpreserved (100mL)																				
Unpreserved (1 Liter)																				
Sulfuric (1 Liter)																				
Unpreserved (500mL)																				
Sulfuric (500mL)																				
Unpreserved (250mL Plastic)																				
Trizma (250mL Plastic)																				
Sulfuric (250mL Plastic)																				
Nitric (250mL Plastic)																				
NaOH (250mL Plastic)																				
Ammonium Acetate (250mL Plastic)																				
NaOH/Zinc (250mL Plastic)																				
Unpreserved (VOA Vials)																				
HCl (VOA Vials)		3	4	2																
MeOH (VOA Vials)																				
D.I. Water (VOA Vials)																				
BiSulfate (VOA Vials)																				
Col/Bact (Other/Fill in)																				
(Other/Fill in)																				
(Other/Fill in)																				
(Other/Fill in)																				
(Other/Fill in)																				