Steven P. Stucker, C.P.G.
Lead Environmental Engineer

December 19, 2024

Mr. Gerald Pratt, PG
Section Chief, Remedial Bureau C, Section E
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-7014

RE: National Grid Former Manufactured Gas Plant Site
1 East Street, Ilion, New York
Annual Groundwater Monitoring Report

Dear Mr. Pratt:

Enclosed for your review is the Annual Groundwater Monitoring Report for the National Grid Ilion Former MGP Site, for 2024.

Groundwater and Environmental Service, Inc., (GES) contractor for National Grid, conducts all long-term monitoring and sampling activities at the site. Quarterly site inspections were conducted in 2024 (January, April, July, and October). The site is generally in good shape and in compliance.

There were detections in wells MW-02R, MW-07, and MW-08R during the April and October 2024 sampling events that exceeded the regulatory criteria, however the concentrations detected are consistent with historic results.

If you have any questions, then please feel free to contact me at 315.428.5652.

Very truly yours,

for SPS

Steven P. Stucker, C.P.G.
Lead Environmental Engineer
National Grid

cc: Devin T. Shay – Groundwater and Environmental Services, Inc.

National Grid

Annual Groundwater Monitoring Report

National Grid Ilion Former MGP Site
1 East Street, Ilion, NY 13357

December 2024

Version 1

Annual Groundwater Monitoring Report

National Grid Ilion Former MGP Site
1 East Street
Ilion, NY 13357

Prepared for:
National Grid
300 Erie Boulevard West, C-1
Syracuse, NY 13202

Prepared by:
Groundwater & Environmental Services, Inc.
6780 Northern Boulevard, Suite 100
East Syracuse, NY 13057
TEL: 800-220-3069
www.gesonline.com

GES Project:
0603500.133570.221

Date:
December 19, 2024

Devin T. Shay, PG
Program Manager / Principal Hydrogeologist

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Appendices

1 Introduction

This Annual Groundwater Monitoring Report presents results from the activities conducted at the Ilion (East Street and State Street) former non-owned manufactured gas plant (MGP) site (the Site) located in Ilion, New York (Site #6-22-019). On November 7, 2003, Niagara Mohawk Power Corporation, a predecessor to National Grid, and the New York State Department of Environmental Conservation (NYSDEC) entered into a multi-site Order on Consent (Index No. A4-0473-0000) that included this Site. A site location map is presented on **Figure 1**, and a site map is presented as **Figure 2**. All work summarized herein has been conducted in accordance with the approved Site Management Plan (SMP) for the property, dated October 22, 2018, prepared for and submitted to the New York State Department of Environmental Conservation (NYSDEC) by Arcadis.

A detailed discussion of the semi-annual monitoring activities and results is presented below.

2 Semi-Annual Groundwater Monitoring

2.1 Objectives

The objectives of the April 2024, and October 2024 groundwater monitoring activities were to:

- Obtain groundwater elevation data from monitoring wells in the vicinity of the site to evaluate groundwater flow direction, and compare the results with historical groundwater flow conditions.
- Obtain analytical data to assess potential changes in groundwater quality at the site and compare the results to the Class GA groundwater standards and guidance values presented in the NYSDEC document entitled, “Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations” (TOGS 1.1.1), reissued June 1998 and amended April 2000 and June 2004.

2.2 Groundwater Well Gauging

The April 3, 2024, and October 10, 2024 groundwater monitoring field activities were conducted by GES. Prior to collecting groundwater samples, static fluid level measurements were collected from MW-02R, MW-03, MW-06, MW-07, MW-08R, and MW-13. Water levels were measured to the nearest 0.01 foot using an electronic oil-water interface probe to determine the depth from a surveyed mark on the top of the inner polyvinyl chloride (PVC) well casing to the groundwater within the well.

The fluid level measurements obtained from each monitoring well were converted to groundwater elevations using the surveyed well elevations. The calculated groundwater elevations for each monitoring well are listed in **Table 1**. **Table 1** also includes groundwater elevation measurements

obtained during previous groundwater monitoring events, and is depicted on **Figure 3** and **Figure 5**.

Groundwater generally flows to the north from the Site toward the Mohawk River. Groundwater elevations ranged from 386.55 feet above sea level (asl) (well MW-08R) to 389.26 feet asl (well MW-06) in April 2024; and 387.02 feet asl (well MW-07) to 388.70 feet asl (wellMW-06) in October 2024. Field data from the gauging event is presented in **Appendix B.**

2.3 Groundwater Well Sampling and Analytical Results

Groundwater samples were collected by GES from six (6) monitoring wells on April 3, 2024, and October 10, 2024 (including MW-02R, MW-03, MW-06, MW-07, MW-08R, and MW-13). Low-flow sampling techniques were used to purge groundwater from each monitoring well prior to collecting groundwater samples. Field parameters (consisting of turbidity, temperature, pH, conductivity, oxidation reduction potential [ORP], and dissolved oxygen) were measured approximately every 5 to 10 minutes during well purging, and the depth to water was monitored throughout the pumping process to minimize drawdown within the well. Well purging activities continued at each well until the field parameters stabilized and the turbidity of the water in the wells was reduced to less than 50 nephelometric turbidity units (NTUs). Groundwater field data is presented in **Appendix B**.

Following purging, groundwater samples were collected. The groundwater samples were bottled and shipped to Eurofins Environment Testing for laboratory analysis for Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX; EPA Method 8260C), Semi-Volatile Polycyclic Aromatic Hydrocarbons (PAHs; EPA Method 8270D), as well as total cyanide (EPA Method 9012B). Quality assurance/quality control (QA/QC) samples, including a field duplicate, matrix spike, and duplicate matrix spike were also submitted for laboratory analysis. The laboratory analytical results for the groundwater samples were reported using NYSDEC Analytical Services Protocol (ASP) Category B data deliverable packages to facilitate data validation.

Purge water generated during the sampling activities was collected in 5-gallon buckets and transferred into 55-gallon steel drums for characterization prior to offsite treatment/disposal in accordance with applicable regulations.

Analytical results from the laboratory analysis report are summarized in **Table 2** and compared to the Class GA groundwater standards and guidance values presented in TOGS 1.1.1. VOC exceedances are bolded on **Table 2** and further shown on **Figure 4**, and **Figure 6**. The Data Usability Summary Report (DUSR) is included in **Appendix C**. The groundwater laboratory analytical reports are included as **Appendix D**.

There were BTEX and/or PAH detections in monitoring wells MW-02R (April and October 2024), and MW-07 (April and October 2024). In April 2024, BTEX, acenaphthene, and naphthalene were detected above the regulatory criteria in MW-02R. Cyanide was detected in MW-02R, MW-03, MW-06, MW-07, MW-08R, and MW-13 in April 2024. In October 2024, BTEX, acenaphthene, and naphthalene were detected above the regulatory criteria in monitoring well MW-02R. Cyanide was

detected in MW-02R, MW-03, MW-06, MW-07, MW-08R, and MW-13 during the October 2024 sampling event.

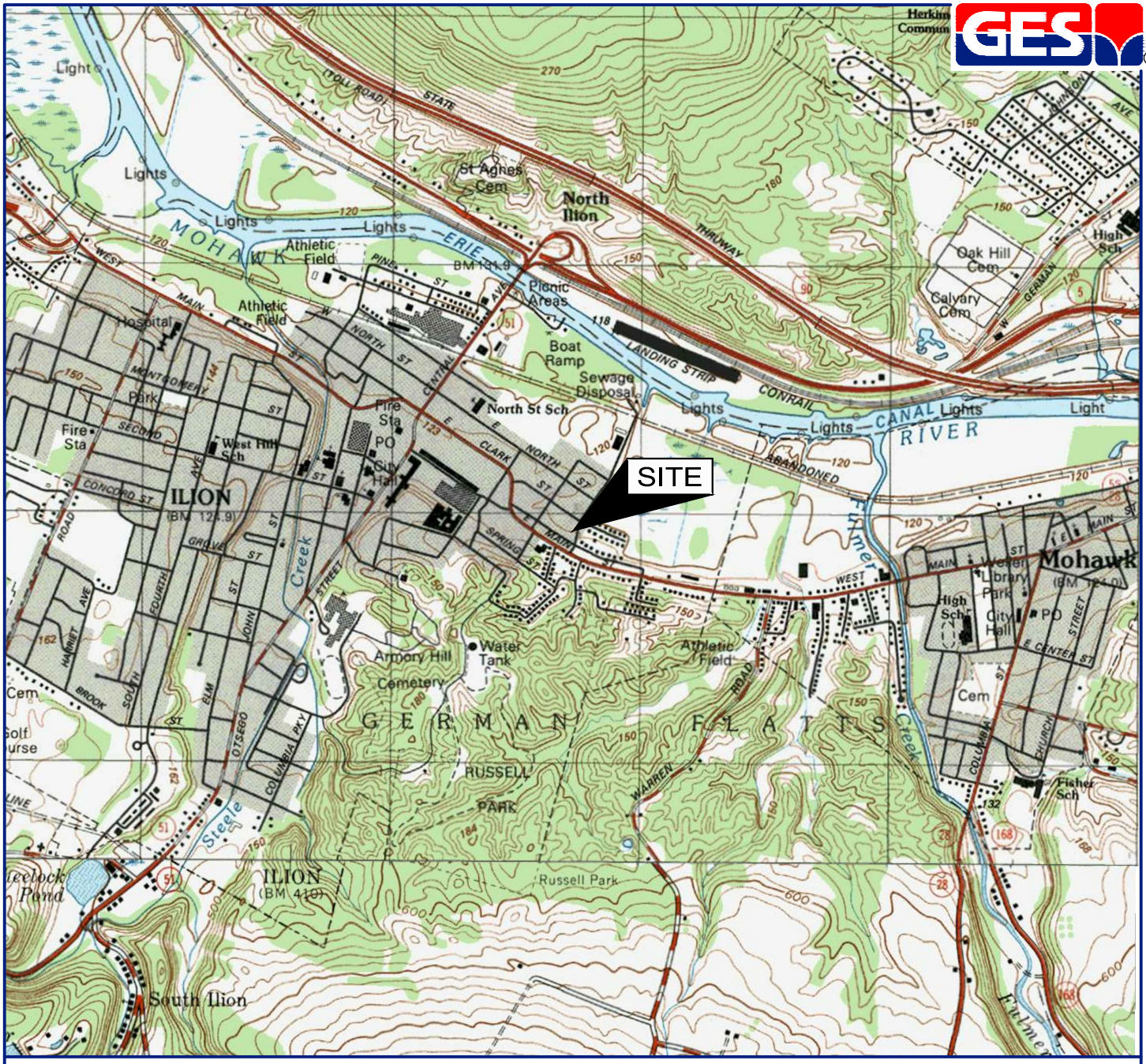
3 Quarterly Site-Wide Inspections

The quarterly site-wide inspections were completed on January 11, April 3, July 7, and October 10, 2024. The Site Inspection Forms are presented in **Appendix A**. In general, the Site is in compliance.

4 Recommendations

At this time, National Grid recommends continuing the semi-annual monitoring activities. The next semi-annual groundwater sampling event would be in April 2025. Semi-annual site-wide inspections are required; however, for internal security purposes, National Grid will continue to conduct quarterly site-wide inspections.

Figures



SOURCE: USGS 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE 1982
ILION, NEW YORK
CONTOUR INTERVAL = 6 METERS

QUADRANGLE LOCATION

DRAFTED BY: W.G.S.	SITE LOCATION MAP
CHECKED BY:	NATIONAL GRID 1 EAST AVENUE AND STATE STREET ILION, NEW YORK
REVIEWED BY:	Groundwater & Environmental Services, Inc. 6780 NORTHERN BOULEVARD, SUITE 100, EAST SYRACUSE, NY 13057
NORTH	SCALE IN FEET: 0 – 2000 / DATE: 11-28-16 / FIGURE: 1

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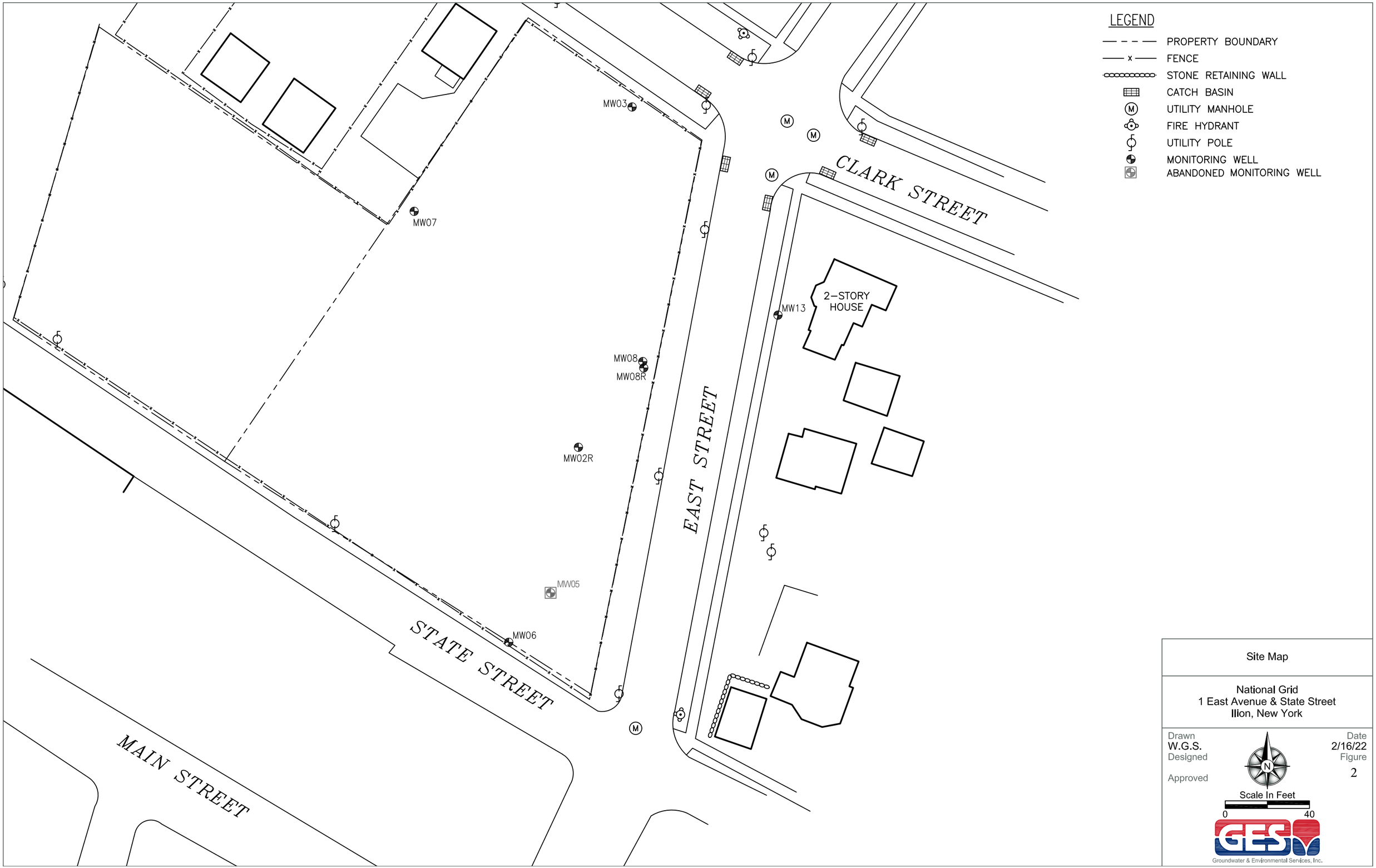

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Site Map

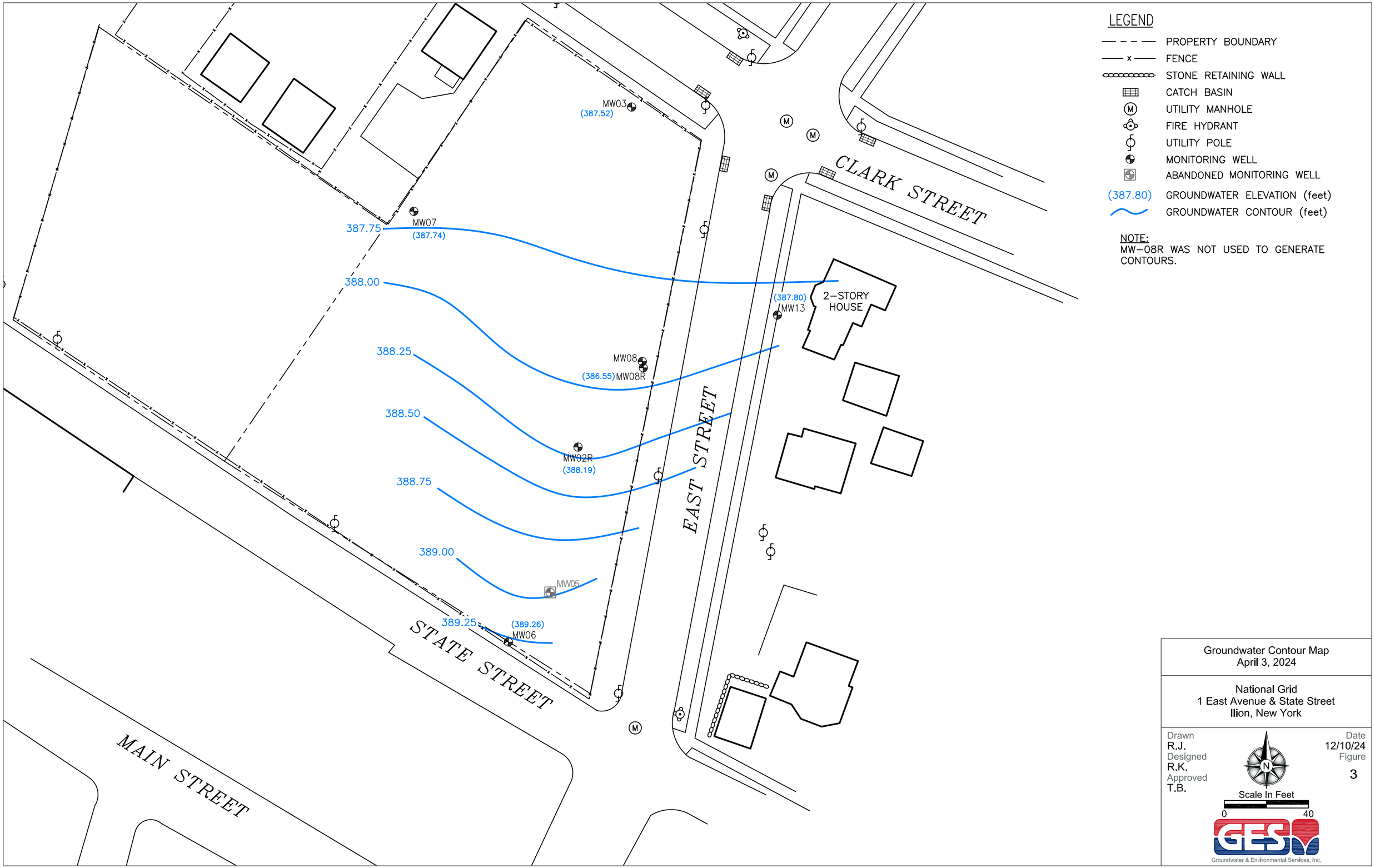
National Grid
1 East Avenue & State Street
Ilion, New York

Drawn W.G.S.
Designed
Approved

Date 2/16/22
Figure 2

Scale In Feet
0 40

Groundwater & Environmental Services, Inc.



Groundwater Contour Map
April 3, 2024

National Grid
1 East Avenue & State Street
Ilion, New York

Drawn R.J.
Designed R.K.
Approved T.B.

Date 12/10/24
Figure 3

Scale In Feet
0 40

Groundwater & Environmental Services, Inc.

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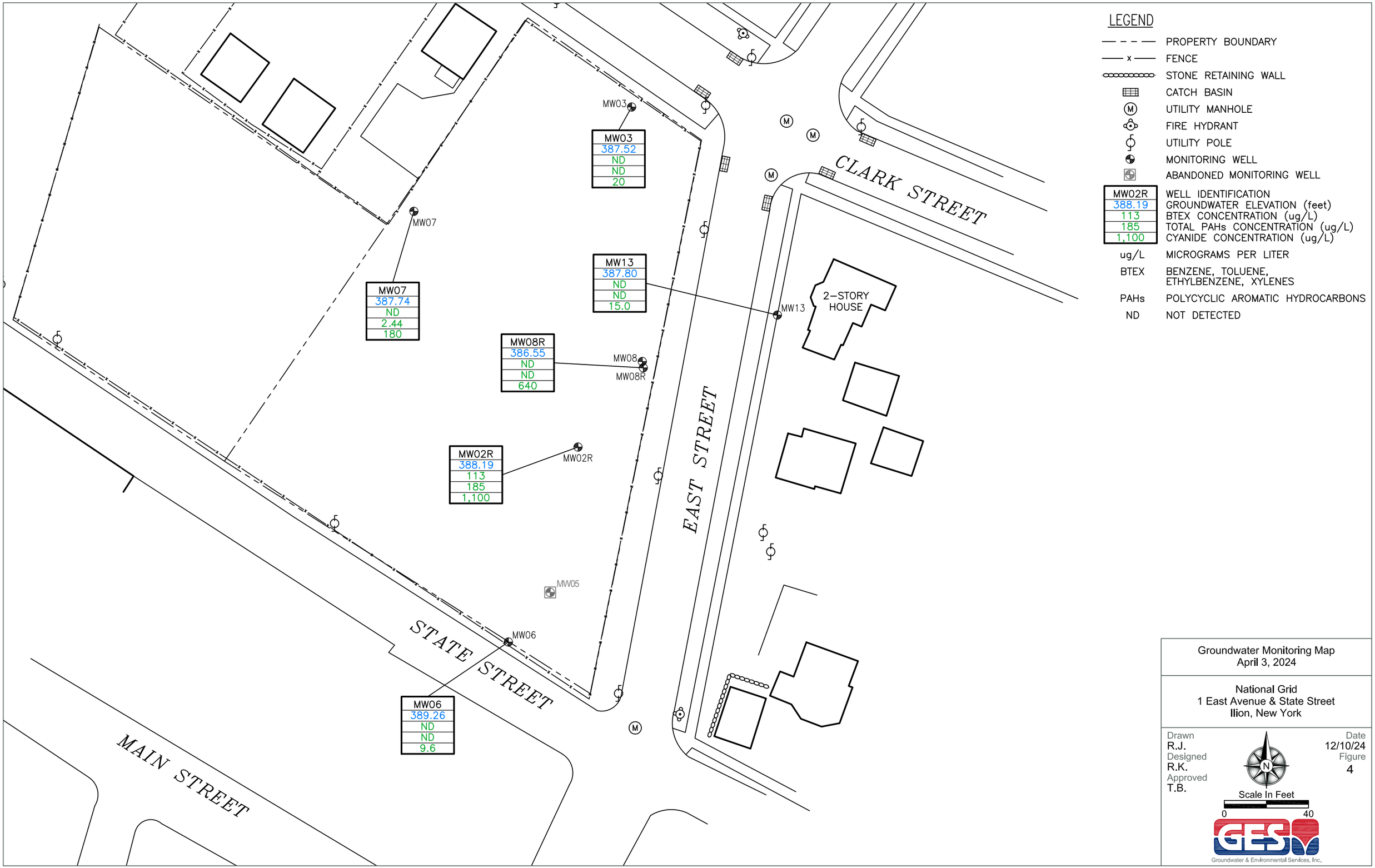

LEGEND

- PROPERTY BOUNDARY
- FENCE
- STONE RETAINING WALL
- CATCH BASIN
- UTILITY MANHOLE
- FIRE HYDRANT
- UTILITY POLE
- MONITORING WELL
- ABANDONED MONITORING WELL

MW02R	WELL IDENTIFICATION
388.19	GROUNDWATER ELEVATION (feet)
113	BTEX CONCENTRATION (ug/L)
185	TOTAL PAHs CONCENTRATION (ug/L)
1,100	CYANIDE CONCENTRATION (ug/L)

ug/L	MICROGRAMS PER LITER
BTEX	BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
PAHs	POLYCYCLIC AROMATIC HYDROCARBONS
ND	NOT DETECTED

Groundwater Monitoring Map
April 3, 2024

National Grid
1 East Avenue & State Street
Ilion, New York

Drawn
R.J.
Designed
R.K.
Approved
T.B.

Date
12/10/24
Figure
4

Scale In Feet
0 40

Groundwater & Environmental Services, Inc.

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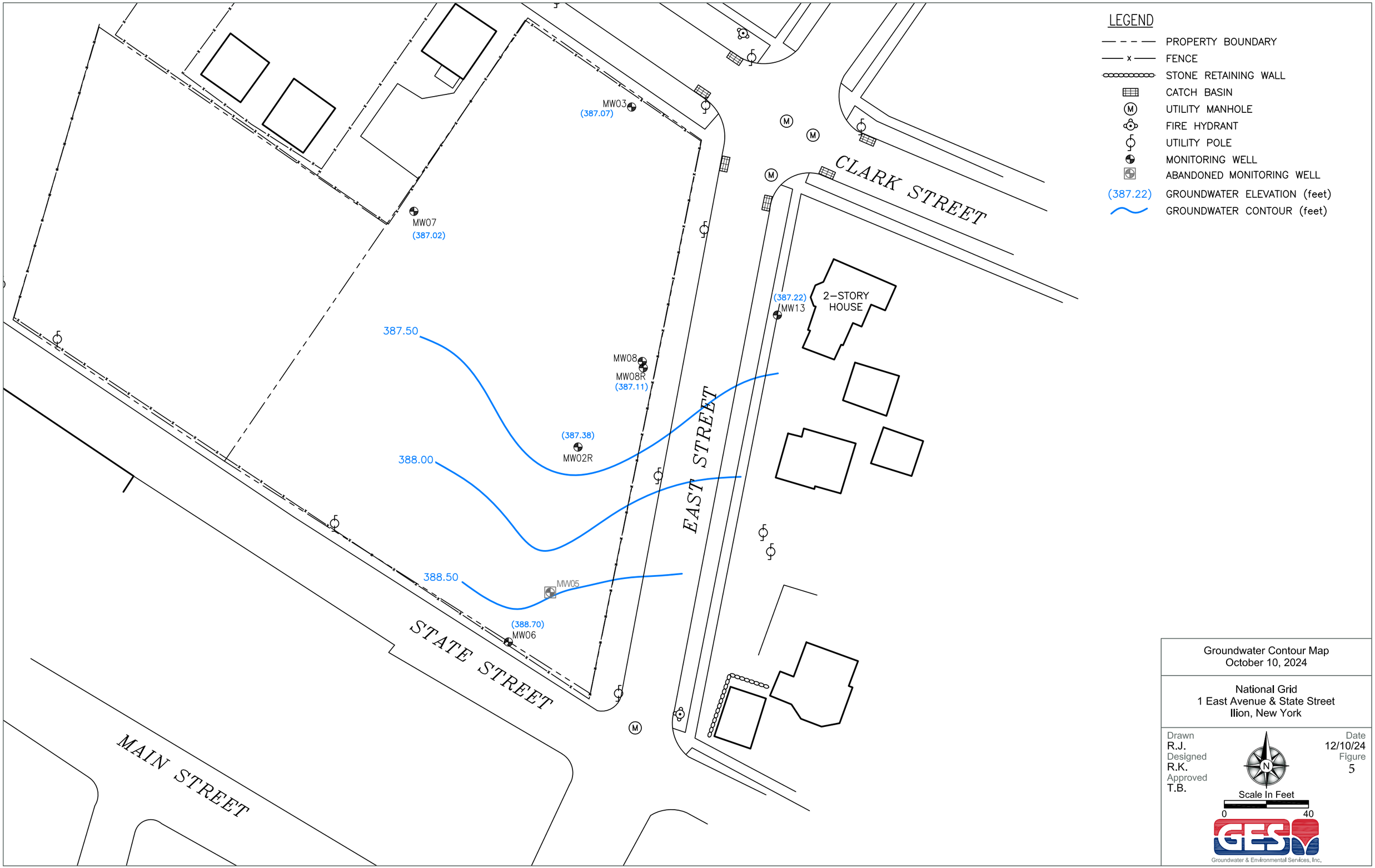

Groundwater Contour Map
October 10, 2024

National Grid
1 East Avenue & State Street
Ilion, New York

Drawn R.J.
Designed R.K.
Approved T.B.

Date 12/10/24
Figure 5

Scale In Feet
0 40

Groundwater & Environmental Services, Inc.

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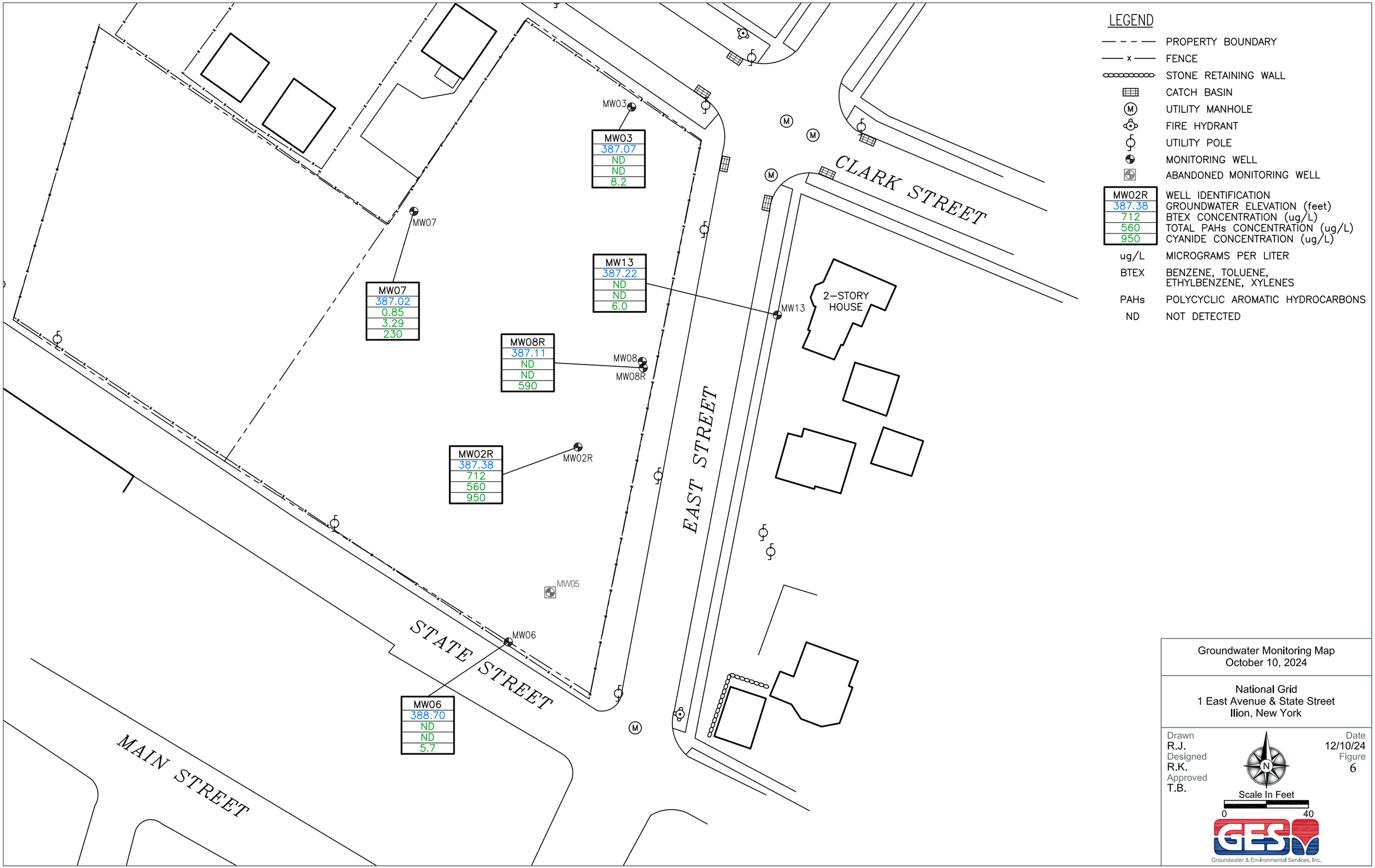

LEGEND

— — —	PROPERTY BOUNDARY
— x —	FENCE
	STONE RETAINING WALL
	CATCH BASIN
M	UTILITY MANHOLE
	FIRE HYDRANT
	UTILITY POLE
	MONITORING WELL
	ABANDONED MONITORING WELL
MW02R 387.38 712 560 950	WELL IDENTIFICATION GROUNDWATER ELEVATION (feet) BTEX CONCENTRATION (ug/L) TOTAL PAHs CONCENTRATION (ug/L) CYANIDE CONCENTRATION (ug/L)
ug/L	MICROGRAMS PER LITER
BTEX	BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
PAHs	POLYCYCLIC AROMATIC HYDROCARBONS
ND	NOT DETECTED

Groundwater Monitoring Map
October 10, 2024

National Grid
1 East Avenue & State Street
Ilion, New York

Drawn
R.J.
Designed
R.K.
Approved
T.B.

Date
12/10/24
Figure
6

Scale In Feet
0 40

Groundwater & Environmental Services, Inc.

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Tables

Table 1

Groundwater Monitoring Well Gauging Data

Well ID	Well Type & Diameter	Top of Inner Casing Elevation	Depth To Well Bottom	Well Bottom Elevation	Screen Elevation	Depth To Water (10/05/17)	Groundwater Elevation (10/05/17)	Depth To Water (10/25/19)	Groundwater Elevation (1025/19)	Depth To Water (05/07/20)	Groundwater Elevation (05/07/20)	Depth To Water (10/12/20)	Groundwater Elevation (10/12/20)	Depth To Water (4/22/21)	Groundwater Elevation (4/22/21)	Depth To Water (10/21/21)	Groundwater Elevation (10/21/21)
MW-02R	Flushmount; PVC; 2-inch	398.43	18.0	380.43	8.0 - 18.0	14.15	384.28	10.83	387.60	12.12	386.31	12.82	385.61	12.75	385.68	12.52	385.91
MW-03	Flushmount; PVC; 2-inch	391.44	28.0	363.44	15.0 - 25.0	7.13	384.31	4.95	386.49	5.90	385.54	5.95	385.49	6.02	385.42	5.97	385.47
MW-06	Flushmount; PVC; 2-inch	404.21	28.0	376.21	15.0 - 25.0	19.00	385.21	16.43	387.78	16.96	387.25	17.59	386.62	17.63	386.58	17.76	386.45
MW-07	Flushmount; PVC; 2-inch	394.54	18.4	376.14	8.4 - 18.4	10.18	384.36	7.23	387.31	8.31	386.23	8.75	385.79	8.71	385.83	8.72	385.82
MW-08R	Flushmount; PVC; 2-inch	396.00	20.0	376.00	10.0 - 20.0	11.73	384.27	9.46	386.54	9.91	386.09	10.01	385.99	10.02	385.98	9.51	386.49
MW-13	Flushmount; PVC; 2-inch	392.20	24.0	368.20	14.0 - 24.0	7.95	384.25	5.52	386.68	6.43	385.77	6.54	385.66	6.55	385.65	6.69	385.51

Table 1

Groundwater Monitoring Well Gauging Data

Well ID	Depth To Water (4/28/22)	Groundwater Elevation (4/28/22)	Depth To Water (10/26/22)	Groundwater Elevation (10/26/22)	Depth To Water (4/6/23)	Groundwater Elevation (4/6/23)	Depth To Water (10/10/23)	Groundwater Elevation (10/10/23)	Depth To Water (4/3/24)	Groundwater Elevation (4/3/24)	Depth To Water (10/10/24)	Groundwater Elevation (10/10/24)
MW-02R	10.30	388.13	12.05	386.38	11.44	386.99	12.66	385.77	10.24	388.19	11.05	387.38
MW-03	4.48	386.96	5.48	385.96	5.17	386.27	5.97	385.47	3.92	387.52	4.37	387.07
MW-06	16.04	388.17	16.90	387.31	16.73	387.48	17.58	386.63	14.95	389.26	15.51	388.70
MW-07	7.55	386.99	8.20	386.34	7.73	386.81	8.66	385.88	6.80	387.74	7.52	387.02
MW-08R	8.47	387.53	9.58	386.42	7.68	388.32	10.15	385.85	9.45	386.55	8.89	387.11
MW-13	5.31	386.89	6.03	386.17	5.76	386.44	6.60	385.60	4.40	387.80	4.98	387.22

Table 2

Groundwater Analytical Data
MW-02R

CONSTITUENT	UNITS	NYSDEC AWQS Values	10/05/17	10/24/19	05/27/20	10/12/20	04/22/21	10/21/21	04/28/22	10/26/22	04/06/23	10/10/23	04/03/24	10/10/24
BTEX Compounds														
Benzene	µg/L	1	**1.3**	**186**	**551**	**632**	**708**	**819**	**1.7**	**668**	**587**	**944**	**69**	**420**
Ethylbenzene	µg/L	5	ND (<1.0)	**32.8**	**81.1**	**103**	**125**	**150**	1.2	**123**	**117**	**183**	**13**	**71**
Xylenes, Total	µg/L	5	ND (<1.0)	**48.8**	**162**	**253**	**288**	**151**	1.1	**140**	**198**	**254**	**26**	**140**
Toluene	µg/L	5	ND (<1.0)	**9.1**	**42.7**	**43.7**	**76.6**	**344**	3.7	**302**	**317**	**435**	4.8	**81**
PAHs														
Acenaphthene	µg/L	20	2.4	**24.3**	**20.4**	**38.3**	**61.6**	**57.3**	**1.2**	**66.1**	**50.2**	**88.7**	**33 J**	**52**
Acenaphthylene	µg/L	NC	1.5	7.5	10.3	19.4	33.7	9.9	0.31	28.1	16.6	25	2.5 J	6.3
Anthracene	µg/L	50	ND (<1.0)	ND (<0.098)	ND (<0.10)	ND (<0.98)	ND (<0.98)	0.15	ND (<0.10)	0.11	ND (<0.10)	0.23	ND (<5.0)	ND (<5.0)
Benzo(a)anthracene	µg/L	0.002	ND (<0.05)	ND (<0.098)	ND (<0.10)	ND (<0.98)	ND (<0.98)	ND (<0.096)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Benzo(a)pyrene	µg/L	0.002	ND (<0.05)	ND (<0.098)	ND (<0.10)	ND (<0.98)	ND (<0.98)	ND (<0.096)	ND (<0.10)	ND (<0.11)	ND (<1.0)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Benzo(b)fluoranthene	µg/L	0.002	ND (<0.05)	ND (<0.098)	ND (<0.10)	ND (<0.98)	ND (<0.98)	ND (<0.096)	ND (<0.10)	ND (<0.11)	ND (<1.0)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Benzo(g,h,i)perylene	µg/L	NC	ND (<0.05)	ND (<0.098)	ND (<0.10)	ND (<0.98)	ND (<0.98)	ND (<0.096)	ND (<0.10)	ND (<0.11)	ND (<1.0)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Benzo(k)fluoranthene	µg/L	0.002	ND (<0.05)	ND (<0.098)	ND (<0.10)	ND (<0.98)	ND (<0.98)	ND (<0.096)	ND (<0.10)	ND (<0.11)	ND (<1.0)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Chrysene	µg/L	0.002	ND (<0.05)	ND (<0.098)	ND (<0.10)	ND (<0.98)	ND (<0.98)	ND (<0.096)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<0.05)	ND (<0.098)	ND (<0.10)	ND (<0.98)	ND (<0.98)	ND (<0.096)	ND (<0.10)	ND (<0.11)	ND (<1.0)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Fluoranthene	µg/L	50	0.0982 J	ND (<0.098)	ND (<0.10)	ND (<0.98)	ND (<0.98)	0.15	ND (<0.10)	ND (<0.11)	ND (<0.10)	0.14	ND (<5.0)	ND (<5.0)
Fluorene	µg/L	50	1.08	4.0	4.4	9.0	14.1	14.0	ND (<0.10)	14.2	9.1	21.4	15 J	11.0
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<1.0)	ND (<0.098)	ND (<0.10)	ND (<0.98)	ND (<0.98)	ND (<0.096)	ND (<0.10)	ND (<0.11)	ND (<1.0)	ND (<0.10)	ND (<5.0)	ND (<5.0)
2-Methylnaphthalene	µg/L	NC	ND (<1.0)	ND (<0.098)	ND (<0.10)	ND (<0.98)	ND (<0.98)	ND (<0.096)	ND (<0.10)	2.8	2.6	7.2	NA	NA
Naphthalene	µg/L	10	0.285	**133**	**257**	**515**	**1,140**	ND (<0.096)	ND (<0.10)	**570**	**632**	**1,120**	**130**	**480**
Phenanthrene	µg/L	50	0.554	0.94	2.7	6.7	10.6	0.68	ND (<0.10)	10.0	9.2	17.1	4.1 J	11.0
Pyrene	µg/L	50	ND (<1.0)	ND (<0.098)	ND (<0.10)	ND (<0.98)	ND (<0.98)	ND (<0.096)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<0.10)
Cyanide														
Cyanide	µg/L	200	150 J	**1,600**	**3,900**	**4,100**	**1,900**	**570**	**720**	**640**	**1,500**	**4,300**	**1,100**	**950**

AWQS = Ambient Water Quality Standards
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data
MW-03

CONSTITUENT	UNITS	NYSDEC AWQS Values	10/05/17	10/24/19	05/27/20	10/12/20	04/22/21	10/21/21	04/28/22	10/26/22	04/06/23	10/10/23	04/03/24	10/10/24
BTEX Compounds														
Benzene	µg/L	1	ND (<0.5)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylenes, Total	µg/L	5	ND (<1.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<2.0)	ND (<2.0)
Toluene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
PAHs														
Acenaphthene	µg/L	20	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<5.0)	ND (<5.0)
Acenaphthylene	µg/L	NC	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<5.0)	ND (<5.0)
Anthracene	µg/L	50	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<5.0)	ND (<5.0)
Benzo(a)anthracene	µg/L	0.002	ND (<0.05)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<5.0)	ND (<5.0)
Benzo(a)pyrene	µg/L	0.002	ND (<0.05)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<5.0)	ND (<5.0)
Benzo(b)fluoranthene	µg/L	0.002	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<5.0)	ND (<5.0)
Benzo(g,h,i)perylene	µg/L	NC	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<5.0)	ND (<5.0)
Benzo(k)fluoranthene	µg/L	0.002	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<5.0)	ND (<5.0)
Chrysene	µg/L	0.002	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<5.0)	ND (<5.0)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<5.0)	ND (<5.0)
Fluoranthene	µg/L	50	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<5.0)	ND (<5.0)
Fluorene	µg/L	50	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<5.0)	ND (<5.0)
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<5.0)	ND (<5.0)
2-Methylnaphthalene	µg/L	NC	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.11)	ND (<0.11)	ND (<0.11)	NA	NA
Naphthalene	µg/L	10	ND (<0.10)	ND (<0.099)	0.61	0.24	0.47	ND (<0.097)	ND (<0.097)	ND (<0.11)	0.12	ND (<0.11)	ND (<5.0)	ND (<5.0)
Phenanthrene	µg/L	50	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<5.0)	ND (<5.0)
Pyrene	µg/L	50	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<5.0)	ND (<5.0)
Cyanide														
Cyanide	µg/L	200	10 J	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	20	8.2 J

AWQS = Ambient Water Quality Standards
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data
MW-06

CONSTITUENT	UNITS	NYSDEC AWQS Values	10/05/17	10/24/19	05/27/20	10/12/20	04/22/21	10/21/21	04/28/22	10/28/22	04/06/23	10/10/23	04/03/24	10/10/24
BTEX Compounds														
Benzene	µg/L	1	ND (<0.5)	ND (<1.0)	**4.5**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylenes, Total	µg/L	5	ND (<1.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<2.0)	ND (<2.0)
Toluene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
PAHs														
Acenaphthene	µg/L	20	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Acenaphthylene	µg/L	NC	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Anthracene	µg/L	50	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Benzo(a)anthracene	µg/L	0.002	ND (<0.05)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Benzo(a)pyrene	µg/L	0.002	ND (<0.05)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Benzo(b)fluoranthene	µg/L	0.002	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Benzo(g,h,i)perylene	µg/L	NC	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Benzo(k)fluoranthene	µg/L	0.002	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Chrysene	µg/L	0.002	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Fluoranthene	µg/L	50	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Fluorene	µg/L	50	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)
2-Methylnaphthalene	µg/L	NC	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.10)	NA	NA
Naphthalene	µg/L	10	ND (<0.10)	ND (<0.099)	1.2	0.22	ND (<0.10)	ND (<0.097)	ND (<0.098)	0.11	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Phenanthrene	µg/L	50	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Pyrene	µg/L	50	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Cyanide														
Cyanide	µg/L	200	10 J	ND (<10)	ND (<10)	ND (<10)	150	ND (<10)	ND (<10)	ND (<10)	10	ND (<10)	9.6 J	5.7 J

AWQS = Ambient Water Quality Standards
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data
MW-07

CONSTITUENT	UNITS	NYSDEC AWQS Values	10/05/17	10/24/19	05/27/20	10/12/20	04/22/21	10/21/21	04/28/22	10/26/22	04/06/23	10/10/23	04/03/24	10/10/24
BTEX Compounds														
Benzene	µg/L	1	**3.1**	ND (<1.0)	**2.8**	**17.2**	**1.5**	ND (<1.0)	**2.0**	ND (<1.0)	**5.4**	ND (<1.0)	ND (<1.0)	0.85 J
Ethylbenzene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	1.5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylenes, Total	µg/L	5	2.2	ND (<3.0)	ND (<3.0)	**7.1**	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<2.0)	ND (<2.0)
Toluene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
PAHs														
Acenaphthene	µg/L	20	ND (<0.10)	ND (<0.099)	0.11	0.78	0.11	0.44	0.24	0.87	1.5	1.6	1.5 J	2.0 J
Acenaphthylene	µg/L	NC	0.498	0.16	ND (<0.11)	1.7	0.18	0.25	ND (<0.10)	0.26	0.21	0.44	ND (<5.0)	0.53 J
Anthracene	µg/L	50	ND (<0.10)	ND (<0.099)	ND (<0.11)	0.17	0.24	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.12)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Benzo(a)anthracene	µg/L	0.002	ND (<0.05)	ND (<0.099)	ND (<0.11)	ND (<0.099)	**0.47**	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.12)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Benzo(a)pyrene	µg/L	0.002	ND (<0.05)	ND (<0.099)	**0.12**	ND (<0.099)	**0.46**	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.12)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Benzo(b)fluoranthene	µg/L	0.002	ND (<0.10)	ND (<0.099)	**0.12**	ND (<0.099)	**0.62**	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.12)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Benzo(g,h,i)perylene	µg/L	NC	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.099)	0.22	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.12)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Benzo(k)fluoranthene	µg/L	0.002	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.099)	**0.59**	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.12)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Chrysene	µg/L	0.002	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.099)	**0.34**	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.12)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.099)	ND(<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.12)	ND (<0.10)	ND (<5.0)	ND (<5.0)
Fluoranthene	µg/L	50	ND (<0.10)	0.10	0.22	0.14	0.96	0.12	ND (<0.10)	0.20	ND (<0.12)	0.13	ND (<5.0)	ND (<5.0)
Fluorene	µg/L	50	ND (<0.10)	ND (<0.099)	ND (<0.11)	0.18	0.15	0.18	ND (<0.10)	0.21	0.14	0.53	ND (<5.0)	0.76 J
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.099)	**0.21**	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.12)	ND (<0.10)	ND (<5.0)	ND (<5.0)
2-Methylnaphthalene	µg/L	NC	ND (<0.10)	ND (<0.099)	ND (<0.11)	0.23	ND(<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.12)	ND (<0.10)	NA	NA
Naphthalene	µg/L	10	3.23	ND (<0.099)	0.47	29.7	0.33	ND (<0.098)	ND (<0.10)	ND (<0.11)	9.1	0.96	0.94 J	ND (<5.0)
Phenanthrene	µg/L	50	ND (<0.10)	ND (<0.099)	ND (<0.11)	0.17	0.80	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.12)	0.15	ND (<5.0)	ND (<5.0)
Pyrene	µg/L	50	ND (<0.10)	ND (<0.099)	0.18	ND (<0.099)	0.75	ND (<0.098)	ND (<0.10)	0.18	ND (<0.12)	10	ND (<5.0)	ND (<5.0)
Cyanide														
Cyanide	µg/L	200	**290 J**	ND (<10)	**2,300**	**1,800**	**740**	200	**240**	**240**	**240**	160	180	**230**

AWQS = Ambient Water Quality Standards
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J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data
MW-08R

CONSTITUENT	UNITS	NYSDEC AWQS Values	10/06/17	10/24/19	05/27/20	10/12/20	04/22/21	10/21/21	04/28/22	10/26/22	04/06/23	10/10/23	04/03/24	10/10/24
BTEX Compounds														
Benzene	µg/L	1	**4.1**	**1.5**	**3.3**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	µg/L	5	3.6	ND (<1.0)	1.8	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylenes, Total	µg/L	5	1.5	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<2.0)	ND (<2.0)
Toluene	µg/L	5	0.38 J	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
PAHs														
Acenaphthene	µg/L	20	2.46	3.2	0.25	1.2	ND (<0.11)	ND (<0.099)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<50)	ND (<5.0)
Acenaphthylene	µg/L	NC	9.24	7.8	0.79	2.9	ND (<0.11)	ND (<0.099)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<50)	ND (<5.0)
Anthracene	µg/L	50	0.214	0.14	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<50)	ND (<5.0)
Benzo(a)anthracene	µg/L	0.002	**0.167**	**0.16**	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<50)	ND (<5.0)
Benzo(a)pyrene	µg/L	0.002	**0.18**	**0.15**	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<50)	ND (<5.0)
Benzo(b)fluoranthene	µg/L	0.002	**0.18**	**0.18**	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<50)	ND (<5.0)
Benzo(g,h,i)perylene	µg/L	NC	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<50)	ND (<5.0)
Benzo(k)fluoranthene	µg/L	0.002	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<50)	ND (<5.0)
Chrysene	µg/L	0.002	**0.155**	**0.13**	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<50)	ND (<5.0)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<50)	ND (<5.0)
Fluoranthene	µg/L	50	0.514	0.55	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<50)	ND (<5.0)
Fluorene	µg/L	50	4.62	4.5	ND (<0.11)	0.88	ND (<0.11)	ND (<0.099)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<50)	ND (<5.0)
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<50)	ND (<5.0)
2-Methylnaphthalene	µg/L	NC	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	NA	NA
Naphthalene	µg/L	10	0.845	0.14	1.0	0.4	ND (<0.11)	ND (<0.099)	ND (<0.099)	0.13	ND (<0.098)	ND (<0.10)	ND (<50)	ND (<5.0)
Phenanthrene	µg/L	50	2.26	0.27	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<50)	ND (<5.0)
Pyrene	µg/L	50	0.421	0.37	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.099)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<50)	ND (<5.0)
Cyanide														
Cyanide	µg/L	200	**430 J**	**1,200**	**890**	**560**	170	**250**	**660**	**520**	97	190	**640**	**590**

AWQS = Ambient Water Quality Standards
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data
MW-13

CONSTITUENT	UNITS	NYSDEC AWQS Values	10/05/17	10/24/19	05/27/20	10/12/20	04/22/21	10/21/21	04/28/22	10/26/22	04/04/23	10/10/23	04/03/24	10/10/24
BTEX Compounds														
Benzene	µg/L	1	ND (<0.5)	ND (<1.0)	**1.4**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylenes, Total	µg/L	5	ND (<1.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<2.0)	ND (<2.0)
Toluene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
PAHs														
Acenaphthene	µg/L	20	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.097)	ND (<0.099)	ND (<0.11)	ND (<0.12)	ND (<0.098)	ND (<5.0)	ND (<5.0)
Acenaphthylene	µg/L	NC	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.097)	ND (<0.099)	ND (<0.11)	ND (<0.12)	ND (<0.098)	ND (<5.0)	ND (<5.0)
Anthracene	µg/L	50	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.097)	ND (<0.099)	ND (<0.11)	ND (<0.12)	ND (<0.098)	ND (<5.0)	ND (<5.0)
Benzo(a)anthracene	µg/L	0.002	ND (<0.05)	ND (<0.099)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.097)	ND (<0.099)	ND (<0.11)	ND (<0.12)	ND (<0.098)	ND (<5.0)	ND (<5.0)
Benzo(a)pyrene	µg/L	0.002	ND (<0.05)	ND (<0.099)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.097)	ND (<0.099)	ND (<0.11)	ND (<0.12)	ND (<0.098)	ND (<5.0)	ND (<5.0)
Benzo(b)fluoranthene	µg/L	0.002	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.097)	ND (<0.099)	ND (<0.11)	ND (<0.12)	ND (<0.098)	ND (<5.0)	ND (<5.0)
Benzo(g,h,i)perylene	µg/L	NC	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.097)	ND (<0.099)	ND (<0.11)	ND (<0.12)	ND (<0.098)	ND (<5.0)	ND (<5.0)
Benzo(k)fluoranthene	µg/L	0.002	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.097)	ND (<0.099)	ND (<0.11)	ND (<0.12)	ND (<0.098)	ND (<5.0)	ND (<5.0)
Chrysene	µg/L	0.002	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.097)	ND (<0.099)	ND (<0.11)	ND (<0.12)	ND (<0.098)	ND (<5.0)	ND (<5.0)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.097)	ND (<0.099)	ND (<0.11)	ND (<0.12)	ND (<0.098)	ND (<5.0)	ND (<5.0)
Fluoranthene	µg/L	50	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.097)	ND (<0.099)	ND (<0.11)	ND (<0.12)	ND (<0.098)	ND (<5.0)	ND (<5.0)
Fluorene	µg/L	50	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.097)	ND (<0.099)	ND (<0.11)	ND (<0.12)	ND (<0.098)	ND (<5.0)	ND (<5.0)
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.097)	ND (<0.099)	ND (<0.11)	ND (<0.12)	ND (<0.098)	ND (<5.0)	ND (<5.0)
2-Methylnaphthalene	µg/L	NC	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.097)	ND (<0.099)	ND (<0.11)	ND (<0.12)	ND (<0.098)	NA	NA
Naphthalene	µg/L	10	ND (<0.10)	ND (<0.099)	0.63	ND (<0.095)	ND (<0.11)	ND (<0.097)	ND (<0.099)	0.17	ND (<0.12)	ND (<0.098)	ND (<5.0)	ND (<5.0)
Phenanthrene	µg/L	50	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.097)	ND (<0.099)	ND (<0.11)	ND (<0.12)	ND (<0.098)	ND (<5.0)	ND (<5.0)
Pyrene	µg/L	50	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.095)	ND (<0.11)	ND (<0.097)	ND (<0.099)	ND (<0.11)	ND (<0.12)	ND (<0.098)	ND (<5.0)	ND (<5.0)
Cyanide														
Cyanide	µg/L	200	10 J	ND (<10)	ND (<10)	ND (<10)	46.0	ND (<10)	ND (<10)	ND (<10)	ND (<10)	19	15	6.0 J

AWQS = Ambient Water Quality Standards
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Appendix A – Field Inspection Reports

Field Inspection Report
Former MGP Site
Ilion, New York

Date: 10/10/2024 Time: 12:00
Technician: AJ Weather: Cloudy 50

Site Controls				
Fence Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Front Gate Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Rear Man Gate Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Padlock-NG	OPERATIONAL	NON-OPERATIONAL		COMMENTS:

General Site Conditions				
Condition of Parking area	GOOD	FAIR	POOR	COMMENTS:
Evidence of any Intrusive Activities	NONE	MINOR	SIGNIFICANT	COMMENTS:
Vegetative Growth	GOOD	FAIR	POOR	COMMENTS:
Conditions of the Site Trees	GOOD	FAIR	POOR	COMMENTS:
Agricultural or Vegetable Gardens	YES	NO		COMMENTS:
Site Been Mowed	YES	NO		COMMENTS:
Evidence of Vandalism	YES	NO		COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS:

Is the site being used in a manner inconsistant with Environmental Easement? Yes | No

Site Monitoring Wells		
Well ID.	**Location Secure**	
MW-02R	Yes	No
MW-03	Yes	No
MW-06	Yes	No
MW-07	Yes	No
MW-08R	Yes	No
MW-13	Yes	No

General Comments:

Field Inspection Report
Former MGP Site
Ilion, New York

Date: 7/10/2024 Time: 09:00
Technician: Kevin Leo Weather: PC 79

Site Controls		
Fence Condition	Good	COMMENTS:
Front Gate Condition	Good	COMMENTS:
Rear Man Gate Condition	Good	COMMENTS:
Padlock-NG	Operational	COMMENTS:

General Site Conditions		
Condition of Parking area	Good	COMMENTS:
Evidence of any Intrusive Activities	None	COMMENTS:
Vegetative Growth	Good	COMMENTS:
Conditions of the Site Trees	Good	COMMENTS:
Agricultural or Vegetable Gardens	No	COMMENTS:
Site Been Mowed	Yes	COMMENTS:
Evidence of Vandalism	No	COMMENTS:
Litter	None	COMMENTS:

Is the site being used in a manner inconsistant with Environmental Easement? No

Site Monitoring Wells	
Well ID.	**Location Secure**
MW-02R	Yes
MW-03	Yes
MW-06	Yes
MW-07	Yes
MW-08R	Yes
MW-13	Yes

General Comments:

Field Inspection Report
Former MGP Site
Ilion, New York

Date: 4/3/2024 Time: 09:00
Technician: Kevin Leo Weather: Rain 37

Site Controls		
Fence Condition	Good	COMMENTS:
Front Gate Condition	Good	COMMENTS:
Rear Man Gate Condition	Good	COMMENTS:
Padlock-NG	Operational	COMMENTS:

General Site Conditions		
Condition of Parking area	Good	COMMENTS:
Evidence of any Intrusive Activities	None	COMMENTS:
Vegetative Growth	Good	COMMENTS:
Conditions of the Site Trees	Good	COMMENTS:
Agricultural or Vegetable Gardens	No	COMMENTS:
Site Been Mowed	No	COMMENTS:
Evidence of Vandalism	No	COMMENTS:
Litter	Minor	COMMENTS:

Is the site being used in a manner inconsistant with Environmental Easement? No

Site Monitoring Wells	
Well ID.	**Location Secure**
MW-02R	Yes
MW-03	Yes
MW-06	Yes
MW-07	Yes
MW-08R	Yes
MW-13	Yes

General Comments:

Field Inspection Report
Former MGP Site
Ilion, New York

Date: 1/11/2024 Time: 11:30
Technician: Kevin Leo Weather: Cloudy 37

Site Controls		
Fence Condition	Good	COMMENTS:
Front Gate Condition	Good	COMMENTS:
Rear Man Gate Condition	Good	COMMENTS:
Padlock-NG	Operational	COMMENTS:

General Site Conditions		
Condition of Parking area	Good	COMMENTS:
Evidence of any Intrusive Activities	None	COMMENTS:
Vegetative Growth	Good	COMMENTS:
Conditions of the Site Trees	Good	COMMENTS:
Agricultural or Vegetable Gardens	No	COMMENTS:
Site Been Mowed	No	COMMENTS:
Evidence of Vandalism	No	COMMENTS:
Litter	None	COMMENTS:

Is the site being used in a manner inconsistant with Environmental Easement? No

Site Monitoring Wells	
Well ID.	**Location Secure**
MW-02R	Yes
MW-03	Yes
MW-06	Yes
MW-07	Yes
MW-08R	Yes
MW-13	Yes

General Comments:

Appendix B – Well Sampling Field Data

National Grid
First Street
Ilion, New York

Semi-Annual Groundwater Sampling Event

Well ID	Sample?	Well Size	DTW	DTP	DTB	Comments
MW-02R	Yes	2"	10.24		18.30	Field Duplicate
MW-03	Yes	2"	3.92		27.25	
MW-06	Yes	2"	14.95		28.60	MS/MSD
MW-07	Yes	2"	6.80		16.87	
MW-08R	Yes	2"	9.45		20.20	
MW-13	Yes	2"	4.40		23.82	

DTW *-depth to water*

DTP *-depth to product*

DTB *-depth to bottom*

National Grid
East Street, Ilion New York

Sampling Personnel: Peter Lyon
Job Number: 0603400-133570-221
Well Id. **MW-02R**

Date: 4/3/24
Weather: Light Rain 40°
Time In: 1050 Time Out: 1040

Well Information

		TOC	Other
Depth to Water:	(feet)	10.24	
Depth to Bottom:	(feet)	18.30	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	8.06	
Volume of Water in Well:	(gal)	1.28	
Three Well Volumes:	(gal)	3.86	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate: (ml/min)	250				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	2				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1005	10.51	9.59	6.61	57	4.08	9.6	2.19	2.64
1010	10.72	8.95	6.37	27	4.49	5.5	1.44	2.88
1015	10.99	8.23	6.32	14	4.63	5.3	1.18	2.97
1020	11.21	8.68	6.29	4	4.70	5.3	1.06	3.02
1025	11.38	8.64	6.30	-4	4.70	5.0	1.05	3.01
1030	11.50	8.58	6.30	-14	4.49	4.2	1.03	2.87
1035	11.61	8.60	6.31	-24	4.17	3.6	1.09	2.66

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

4 - 250 ml ambers Yes [X] No [ ]
6 - 40 ml vials Yes [X] No [ ]
2 - 125 ml plastic Yes [X] No [ ]

Field Duplicate
Sample ID: **MW-02R** Duplicate? Yes [X] No [ ]
Sample Time: 1035 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, NY

Comments/Notes:

National Grid
East Street, Ilion New York

Sampling Personnel: L
Date: 9/3/24
Job Number: 0603400-133570-221
Weather: RAIN 38
Well Id. **MW-03**
Time In: 10:40 Time Out: 11:30

Well Information

		TOC	Other
Depth to Water:	(feet)	3.92	
Depth to Bottom:	(feet)	27.25	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	23.33	
Volume of Water in Well:	(gal)	3.73	
Three Well Volumes:	(gal)	11.19	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]
Average Pumping Rate:	(ml/min)	200		
Duration of Pumping:	(min)	30		
Total Volume Removed:	(gal)	2		

Did well go dry? Yes [ ] No [ ]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
10:50	4.04	8.50	7.28	-48	1.04	17.2	0.0	0.669
10:55	4.06	9.07	7.27	-30	1.04	5.5	0.0	0.663
11:00	4.05	9.20	7.28	14	1.03	0.9	0.0	0.658
11:05	4.05	9.17	7.25	23	1.03	1.3	0.0	0.658
11:10	4.08	9.17	7.25	29	1.03	1.0	0.0	0.658
11:15	4.09	9.10	7.23	36	1.03	0.5	0.0	0.659
11:20	4.08	9.17	7.22	41	1.03	0.4	0.0	0.657

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-03** Duplicate? Yes [ ] No [X]
Sample Time: 11:20 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, NY

Comments/Notes:

National Grid
East Street, Ilion New York

Sampling Personnel: Pickel Lyon
Date: 4/3/24
Job Number: 0603400-133570-221
Weather: Sleet 38°
Well Id. **MW-06**
Time In: 1050 Time Out: 1137

Well Information

		TOC	Other
Depth to Water:	(feet)	14.95	
Depth to Bottom:	(feet)	28.60	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	13.65	
Volume of Water in Well:	(gal)	2.18	
Three Well Volumes:	(gal)	6.55	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1055	15.04	8.79	6.88	-40	1.23	10.6	3.97	0.773
1100	15.08	9.16	6.40	-31	0.957	4.6	1.12	0.612
1105	15.08	9.26	6.29	-23	0.949	5.2	1.77	0.619
1110	15.08	9.36	6.32	-22	1.12	5.1	0.81	0.723
1115	15.08	9.37	6.40	-20	1.23	4.8	0.84	0.791
1120	15.08	9.33	6.40	-17	1.26	4.6	0.78	0.810
1125	15.08	9.34	6.42	-17	1.29	4.8	0.77	0.827

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

6 - 250 ml ambers Yes [X] No [ ]
9 - 40 ml vials Yes [X] No [ ]
3 - 125 ml plastic Yes [X] No [ ]

MW-06-MS **MW-06-MSD**
Sample ID: **MW-06** Duplicate? Yes [ ] No [X]
Sample Time: 1125 MS/MSD? Yes [X] No [ ]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, NY

Comments/Notes:

National Grid
East Street, Ilion New York

(

Sampling Personnel: VL
Job Number: 0603400-133570-221
Well Id. **MW-07**

Date: 4/3/24
Weather: Rain 40
Time In: 09:30 Time Out: 10:45

Well Information

		TOC	Other
Depth to Water:	(feet)	6.80	
Depth to Bottom:	(feet)	16.87	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	10.07	
Volume of Water in Well:	(gal)	1.61	
Three Well Volumes:	(gal)	4.83	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
10:00	7.55	8.64	7.02	-54	1.29	731	0.0	0.822
10:05	7.89	8.48	6.89	-70	1.18	396	0.0	0.727
10:10	8.17	8.37	6.86	-74	1.16	291	0.0	0.744
10:15	8.40	8.17	6.84	-79	1.29	238	0.0	0.779
10:20	8.47	8.12	6.79	-86	1.29	56.0	0.0	0.828
10:25	8.52	8.15	6.76	-90	1.37	30.0	0.0	0.880
10:30	8.57	8.14	6.76	-81	1.37	30.1	0.0	0.881

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-07** Duplicate? Yes [ ] No [X]
Sample Time: 10:30 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, NY

Comments/Notes:

National Grid
East Street, Ilion New York

Sampling Personnel: K
Date: 4/7/24
Job Number: 0603400-133570-221
Weather: RAIN 38
Well Id. **MW-08R**
Time In: 11:30 Time Out: 12:30

Well Information

		TOC	Other
Depth to Water:	(feet)	9.45	
Depth to Bottom:	(feet)	20.20	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	10.80	
Volume of Water in Well:	(gal)	1.61	
Three Well Volumes:	(gal)	4.85	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate:	(ml/min)	>200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
11:40	9.52	7.13	7.50	36	0.651	59.4	0.0	0.414
11:45	9.77	6.97	7.38	227	0.551	34.6	0.0	0.353
11:50	10.03	6.85	7.37	236	0.523	30.5	0.0	0.334
11:55	10.38	6.96	7.37	243	0.482	24.4	0.0	0.313
12:00	11.09	6.72	7.36	255	0.469	19.3	0.0	0.305
12:05	11.93	6.52	7.35	274	0.478	17.9	0.0	0.311
12:10	12.68	6.57	7.37	278	0.479	16.3	0.0	0.312
12:15								

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-08R** Duplicate? Yes [ ] No [X]
Sample Time: 12:15 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, NY

Comments/Notes:

National Grid
East Street, Ilion New York

Sampling Personnel: Pete Lyon
Job Number: 0603400-133570-221
Well Id. **MW-13**

Date: 4/3/24
Weather: Sleet 37°
Time In: 1150 Time Out: 1230

Well Information

		TOC	Other
Depth to Water:	(feet)	4.40	
Depth to Bottom:	(feet)	23.82	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	19.42	
Volume of Water in Well:	(gal)	3.10	
Three Well Volumes:	(gal)	9.32	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate: (ml/min)	200			
Duration of Pumping: (min)	30			
Total Volume Removed: (gal)	2			

Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1155	5.00	8.43	6.68	63	1.44	25.6	2.07	0.920
1200	5.00	8.57	6.61	61	1.43	21.3	1.17	0.916
1205	5.00	8.69	6.68	50	1.43	12.7	1.06	0.915
1210	5.00	8.81	6.70	44	1.43	12.0	1.10	0.917
1215	5.00	8.97	6.70	39	1.44	13.4	0.97	0.921
1220	5.00	8.91	6.71	38	1.44	13.2	0.96	0.924
1225	5.00	9.03	6.71	36	1.45	11.7	0.98	0.927

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

2 - 250 ml ambers Yes [X] No [ ]
3 - 40 ml vials Yes [X] No [ ]
1 - 125 ml plastic Yes [X] No [ ]

Sample ID: **MW-13** Duplicate? Yes [ ] No [X]
Sample Time: 1225 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, NY

Comments/Notes:

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: KEVIN LEO	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-192872-40371.1
Client Contact: Tim Beaumont	Phone: 315 877 1368	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Groundwater & Environmental Services Inc	PWSID:	Analysis Requested		Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0603400-133570-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Ilion Semi-Annual GWS Event Desc: Ilion Semi-Annual GW	Project #: 48027231			
Site: Ilion Semi-Annual GWS	SSOW#:			

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)	9012B_NP - Cyanide, Total	8270D - PAH Semivolatiles	8260C - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				B	N	A		
MW-02R	4/3/24	10:35	G	Water			1	2	3	6	
MW-03		11:20	G	Water			1	2	3	6	
MW-06		11:25	G	Water			1	2	3	6	
MW-06-MS		11:25	G	Water			1	2	3	6	
MW-06-MSD		11:25	G	Water			1	2	3	6	
MW-07		10:30	G	Water			1	2	3	6	
MW-08R		12:10	G	Water			1	2	3	6	
MW-13		12:25	G	Water			1	2	3	6	
Field Duplicate			G	Water			1	2	3	6	
Trip Blank		12:45		Water					2		

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) CAT B DELIVERY

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/3/24 1540	GES	RENGLIA	4.3.24, 1540	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

National Grid
First Street
Ilion, New York

Semi-Annual Groundwater Sampling Event

Well ID	Sample?	Well Size	DTW	DTP	DTB	Comments
MW-02R	Yes	2"	11.05		18.30	Field Duplicate
MW-03	Yes	2"	4.37		27.25	
MW-06	Yes	2"	15.51		28.60	MS/MSD
MW-07	Yes	2"	7.52		16.87	
MW-08R	Yes	2"	8.89		20.20	
MW-13	Yes	2"	4.98		23.82	

DTW *-depth to water*

DTP *-depth to product*

DTB *-depth to bottom*

National Grid
East Street, Ilion New York

Sampling Personnel: AJ
Date: 10/10/24
Job Number: 0603400-133570-221
Weather: 44°F, cloudy
Well Id. **MW-02R**
Time In: 0920 Time Out: 1005

Well Information

		TOC	Other
Depth to Water:	(feet)	11.05	
Depth to Bottom:	(feet)	18.30	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	7.25	
Volume of Water in Well:	(gal)	1.16	
Three Well Volumes:	(gal)	3.48	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]

Average Pumping Rate: 200 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.5 (gal)
Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0925	11.42	11.09	6.52	-170	3.69	170	0.68	2.36
0930	11.52	11.31	6.46	-170	3.68	8.5	0.62	2.36
0935	11.69	11.65	6.39	-170	3.69	0.0	0.57	2.36
0940	11.75	11.86	6.34	-169	3.71	0.0	0.54	2.38
0945	11.90	12.01	6.32	-168	3.74	0.0	0.52	2.39
0950	11.95	12.17	6.31	-168	3.73	0.0	0.50	2.39
0955	12.02	12.25	6.31	-169	3.69	0.0	0.49	2.36

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

4 - 250 ml ambers Yes [X] No [ ]
6 - 40 ml vials Yes [X] No [ ]
2 - 125 ml plastic Yes [X] No [ ]

Field Duplicate
Sample ID: **MW-02R** Duplicate? Yes [X] No [ ]
Sample Time: 1000 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
East Street, Ilion New York

Sampling Personnel: Peter Lyon
Date: 10/10/24
Job Number: 0603400-133570-221
Weather: overcast 48°
Well Id. **MW-03**
Time In: 1020 Time Out: 1150

Well Information

		TOC	Other
Depth to Water:	(feet)	4.37	
Depth to Bottom:	(feet)	27.25	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	22.88	
Volume of Water in Well:	(gal)	3.66	
Three Well Volumes:	(gal)	10.98	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate: (ml/min)	200			
Duration of Pumping: (min)	30			
Total Volume Removed: (gal)	2			

Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1025	4.54	12.14	6.89	-91	0.874	0.1	2.54	0.560
1030	4.56	12.35	6.92	-110	0.859	0.0	0.57	0.549
1035	4.57	12.36	6.93	-91	0.854	0.0	0.48	0.546
1040	4.57	12.34	6.94	-73	0.852	0.0	0.43	0.545
1045	4.57	12.35	6.95	-65	0.849	0.0	0.40	0.543
1050	4.58	12.37	6.95	-58	0.848	0.0	0.39	0.542
1055	4.57	12.39	6.95	-52	0.849	0.0	0.38	0.543

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-03** Duplicate? Yes [ ] No [X]
Sample Time: 1055 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
East Street, Ilion New York

Sampling Personnel: AJ
Date: 10/10/24
Job Number: 0603400-133570-221
Weather: 46°F, cloudy
Well Id. **MW-06**
Time In: 1010 Time Out: 1100

Well Information

		TOC	Other
Depth to Water:	(feet)	15.51	
Depth to Bottom:	(feet)	28.60	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	13.09	
Volume of Water in Well:	(gal)	2.09	
Three Well Volumes:	(gal)	6.2	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	

Average Pumping Rate: 200 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.5 (gal)
Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1015	15.61	12.57	6.41	-149	2.37	0.0	0.43	1.58
1020	15.61	12.84	6.59	-117	1.11	0.0	0.68	0.709
1025	15.61	12.75	6.61	-115	1.22	0.0	0.51	0.776
1030	15.61	12.67	6.65	-119	1.32	0.0	0.48	0.842
1035	15.61	12.63	6.67	-121	1.37	0.0	0.47	0.874
1040	15.61	12.62	6.70	-125	1.41	0.0	0.45	0.902
1045	15.61	12.57	6.71	-127	1.42	0.0	0.44	0.910

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

6 - 250 ml ambers Yes [X] No [ ]
9 - 40 ml vials Yes [X] No [ ]
3 - 125 ml plastic Yes [X] No [ ]

MW-06-MS **MW-06-MSD**
Sample ID: **MW-06** Duplicate? Yes [ ] No [X]
Sample Time: 1050 MS/MSD? Yes [X] No [ ]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
East Street, Ilion New York

Sampling Personnel: AS
Job Number: 0603400-133570-221
Well Id. **MW-07**

Date: 10/10/24
Weather: 48°F, cloudy
Time In: 1105 Time Out: 1150

Well Information

		TOC	Other
Depth to Water:	(feet)	7.52	
Depth to Bottom:	(feet)	16.87	
Depth to Product:	(feet)	ND	
Length of Water Column:	(feet)	9.35	
Volume of Water in Well:	(gal)	1.49	
Three Well Volumes:	(gal)	4.48	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	

Average Pumping Rate: 200 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.5 (gal)
Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1110	8.91	12.37	6.62	-143	1.34	98.3	0.55	0.861
1115	8.71	12.13	6.41	-166	1.21	257	0.61	0.777
1120	8.71	12.09	6.34	-175	1.27	123	0.48	0.811
1125	8.71	12.08	6.31	-184	1.38	36.0	0.45	0.879
1130	8.71	12.02	6.32	-186	1.45	34.3	0.42	0.923
1135	8.71	11.93	6.33	-190	1.49	40.3	0.41	0.956
1140	8.71	11.90	6.34	-192	1.52	46.2	0.39	0.972

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-07** Duplicate? Yes [ ] No [X]
Sample Time: 1145 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
East Street, Ilion New York

Sampling Personnel: Peter Lyon
Date: 10/10/24
Job Number: 0603400-133570-221
Weather: Overcast 48°
Well Id. **MW-08R**
Time In: 0934 Time Out: 1010

Well Information

		TOC	Other
Depth to Water:	(feet)	8.89	
Depth to Bottom:	(feet)	20.20	
Depth to Product:	(feet)	--	
Length of Water Column:	(feet)	11.31	
Volume of Water in Well:	(gal)	1.80	
Three Well Volumes:	(gal)	5.42	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	

Average Pumping Rate:	(ml/min)	200
Duration of Pumping:	(min)	30
Total Volume Removed:	(gal)	2

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0935	9.35	12.28	6.89	-114	0.537	36.2	3.24	0.343
0940	9.54	12.79	6.79	-145	0.534	41.6	1.24	0.342
0945	9.82	13.31	6.76	-144	0.541	47.6	0.88	0.348
0950	10.07	13.78	6.73	-140	0.555	49.8	0.71 ~~0.716~~	0.355
0955	10.21	13.75	6.71	-124	0.538	49.8	1.12	0.344
1000	10.23	13.87	6.71	-120	0.578	41.7	1.25	0.344
1005	10.35	13.94	6.71	-115	0.548	29.5	1.23	0.351

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-08R** Duplicate? Yes [ ] No [X]
Sample Time: 1005 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
East Street, Ilion New York

Sampling Personnel: Peter Lyon
Job Number: 0603400-133570-221
Well Id. **MW-13**

Date: 10/10/24
Weather: Overcast 50°
Time In: 1120 Time Out: 1140

Well Information

		TOC	Other
Depth to Water:	(feet)	4.98	
Depth to Bottom:	(feet)	23.82	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	18.84	
Volume of Water in Well:	(gal)	3.01	
Three Well Volumes:	(gal)	9.04	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate: (ml/min)	200			
Duration of Pumping: (min)	30			
Total Volume Removed: (gal)	2			

Did well go dry? Yes [ ] No [ ]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1105	5.63	13.47	6.93	~~-103~~ 9	~~1.03~~ 1.03	180	0.69	0.658
1110	5.63	13.20	6.94	5	1.03	34.6	0.52	0.658
1115	5.52	13.02	6.93	-4	1.03	24.1	0.47	0.661
1120	5.52	12.88	6.93	-7	1.03	20.9	0.44	0.661
1125	5.52	12.86	6.92	-7	1.03	14.3	0.42	0.661
1130	5.52	12.79	6.92	-7	1.03	10.50	0.40	0.661
1135	5.52	12.73	6.91	-7	1.04	6.5	0.39	0.663

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-13** Duplicate? Yes [ ] No [X]
Sample Time: 1135 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

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
Client Contact: Tim Beaumont
Company: Groundwater & Environmental Services Inc
Address: 6780 Northern Boulevard Suite 100
City: East Syracuse
State, Zip: NY, 13057
Phone:
Email: tbeaumont@gesonline.com
Project Name: Ilion Semi-Annual GWS Event Desc: Ilion Semi-Annual GW
Site: Ilion Semi-Annual GWS

Sampler:
Phone:
PWSID:
Due Date Requested:
TAT Requested (days): Standard
Compliance Project: Δ Yes Δ No
PO #: 0603400-133570-221-1106
WO #:
Project #: 48027231
SSOW#:

Lab PM: Beninati, John
E-Mail: John.Beninati@et.eurofinsus.com
Carrier Tracking No(s):
State of Origin:
COC No: 480-192872-40371.1
Page: Page 1 of 1
Job #:

Analysis Requested

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)	9012B_NP - Cyanide, Total	8270D - PAH Semivolatiles	8260C - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				B	N	A		
MW-02R	10/10/24	1000	G	Water			1	2	3	6	
MW-03		1055	G	Water			1	2	3	6	
MW-06		1050	G	Water			1	2	3	6	
MW-06-MS		1050	G	Water			1	2	3	6	
MW-06-MSD		1050	G	Water			1	2	3	6	
MW-07		1145	G	Water			1	2	3	6	
MW-08R		1005	G	Water			1	2	3	6	
MW-13		1135	G	Water			1	2	3	6	
Field Duplicate		1200	G	Water			1	2	3	6	
Trip Blank				Water					2		

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) CAT B DELIVERY
Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature] GES	10/10/24 1535		R Englich	10·10·24, 1535	[signature]

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

Appendix C – Data Usability Summary Reports

Groundwater & Environmental Services, Inc.

708 North Main Street, Suite 201
Blacksburg, VA 24060

T. 800.662.5067

December 18, 2024

Devin Shay
Groundwater & Environmental Services, Syracuse
6780 Northern Boulevard, Suite 100
East Syracuse, NY 13057

RE: Data Usability Summary Report for National Grid- Ilion, East Ave.: Data Package Eurofins Buffalo Job Nos. J218484-1& J224250-1

Review has been completed for the data packages generated by Eurofins Buffalo that pertain to monitoring well samples collected during the first half of 2024(April 2024) and second half of 2024 (October 2024) sampling events at the National Grid Ilion, East Avenue site. Six (6) aqueous samples, a trip blank and a field duplicate were collected in each sampling event from the main site. These samples were processed for volatile organic compounds benzene, toluene, ethylbenzene and xylenes (BTEX), cyanide and polynuclear aromatic hydrocarbons (PAHs).

Analytical methodologies are those of the USEPA SW846 with additional requirements of the NYSDEC ASP.

Complete NYSDEC Category B deliverables were included in the laboratory data package and all information required for validation of the data is present. This usability report is generated from review of the summary form information, and a limited review of associated QC raw data. The reported summary forms have been reviewed for application of validation qualifiers, using guidance from the National Grid generic QAPP, USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, and professional judgment, as affects the usability of the data. The following items were reviewed:

- Laboratory Narrative Discussion
- Custody Documentation
- Holding Times
- Surrogate and Internal Standard Recoveries
- Matrix Spike Recoveries/Duplicate (MS/MSD) Correlations
- Field Duplicate Correlations
- Laboratory Control Sample (LCS)
- Preparation and Field Blanks
- Calibration/Low Level Standard Responses
- Instrumental Tunes

All of the items were determined to be acceptable for the DUSR level review. In summary, sample results are usable.

The laboratory case narratives and sample identification summary forms are attached to this text, and should be reviewed in conjunction with this report.

Table 1 – Data Qualifications

Sample ID	Qualifier	Analyte	Reason for qualification
MW-02R-0423/FD-0423	*J+*	*o-Xylene*	*High CCV recovery*
MW-06-0424 **MW-06-1024** **MW-03-1024** **MW-13-1024**	U at RL	Cyanide	Positive method blank detection
MW-02R-0424 **MW-03-0424** **MW-07-0424** **MW-13-0424** **Field Duplicate-0424** **MW-02R-1024**	J+	Naphthalene	Positive method blank detection
MW-06-1024	J+	Benzene	High MS/MSD recovery
MW-06-0424	J+	m-xylene & p-xylene	High MS/MSD recovery
MW-08R-0423	*UJ-*	*Benzo(a)pyrene* *Benzo(b)fluoranthene* *Benzo(k)fluoranthene* *Dibenz(a,h)anthracene* *Benzo(g,h,i)perylene* *Indeno(1,2,3-cd)pyrene*	*High internal standard*

J: estimated detect with an unknown bias
J+: estimated detect with a possible high bias
UJ: estimated non-detect with an unknown bias
UJ-: estimated non-detect with a possible low bias
U at concentration: non-detect at concentration reported. Contamination suspected.

BTEX and TCL Volatiles by EPA 8260C/NYSDEC ASP

Sample holding times for groundwater and effluent samples and instrumental tune fragmentations were within acceptance ranges. Blanks were free of contamination.

Surrogate and internal standard recoveries were within required limits.

Calibration standards show acceptable responses within analytical protocol and validation action limits.

MS/MSD pairs were analyzed using **MW-06-0424, MW-06-1024** as the matrix.

- **MW-06-0424** reported a high recovery for m-xylene & p-xylene. The results associated with this sample is qualified as estimated with a possible high bias “J+”.

- **MW-06-1024** MS/MSD pair reported an out-of-specification recovery for benzene high. Benzene associated with this sample is qualified as estimated with a possible high bias "J+".

All QC elements associated with the MS/MSD pairs fell within project criteria. The blind field duplicate correlations between **MW-02R-0424 and MW-02R-1024** and their duplicates passed within project criteria, and no data is qualified.

Field precision was calculated for both events. Relative percent differences (RPDs) fell within project criteria and no qualifications were required.

Table 2: Field Precision Calculations VOCs

Compound	MW-02R-0424	FD	RPD
Benzene	69	77	11.0
Ethylbenzene	13	14	7.4
Toluene	4.8	4.5	6.5
Xylene (Total)	26	28	7.4
m & p-Xylene	16	17	6.1
o-Xylene	10	11	9.5

Compound	MW-02R-1024	FD	RPD
Benzene	420	400	4.9
Ethylbenzene	71	70	1.4
Toluene	81	79	2.5
Xylene (Total)	140	140	0.0
m & p-Xylene	82	84	2.4
o-Xylene	62	59	5.0

µg/L-microgram per liter RPD – relative percent difference

PAHs by EPA8270D/NYSDEC ASP

Holding times were met. Blanks show no contamination. Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines.

Blanks reported no above RL detections.

For the April 2024 sampling event, **MW-02R-0423** and **FD-0423** were diluted due to the presence of a non-target analyte. Reporting limits are elevated.

Surrogate recoveries were within criteria with the exception of a pervasive low recovery of terphenyl-d14 in the samples collected in April 2024. The surrogate recovered low and/or out of criteria in all site samples and the MS/MSD with the exception of MW-07. The low surrogate, however, indicates an issue with this analyte and not the entire analytical method, as all MS/MSD target compounds recovered within expected ranges. Data is unqualified due to surrogate recoveries.

Internal standard recoveries were within required limits.

The laboratory control spike recoveries and precision indicate the methods were within laboratory control. Associated data was non-detect in site samples; no qualifications were required.

An MS/MSD was analyzed using **MW-06 -1024** as the matrix for the October 2024 sampling event. The matrix spike/matrix spike duplicate recoveries were within laboratory-provided limits and relative percent differences were within project criteria of <30% RPD.

The blind field duplicate correlations of **MW-02R-0424 and FD-0424** and **MW-02R-1024 and FD-1024** were calculated. The RPDs are tabulated below in Table 3. All calculations met project objectives.

Table 1: Field Precision Calculations PAHs

(Concentrations above RL)

Compound	MW-02R-0424	FD	RPD
Acenaphthene	20	21	4.9
Naphthalene	130	150	14.3

Compound	MW-02R	FD	RPD
Acenaphthene	52	56	7.4
Acenaphthylene	6.3	7.0	10.5
Fluorene	11	13	16.7
Naphthalene	480	490	2.1
Phenanthrene	11	11	0.0

µg/L-microgram per liter RPD – relative percent difference

Cyanide by EPA 9012B /NYSDEC ASP

Holding times were met. Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines.

- The method blank associated with the April 2024 sampling event reported low-level cyanide detections (0.00650 mg/L maximum) above the method detection limit, but below the reporting limit (RL).

  - Any result for cyanide with a positive detection below RL is qualified as non-detect at the RL.
  - Any result for cyanide with a positive detection above the RL but below 10x the blank concentration is qualified as estimated, with a possible high bias, "J+".
  - Any result for cyanide greater than 10x the blank detection is not qualified; the data is usable as reported.
- The method blank associated with the October 2024 sampling event reported low-level cyanide detections (0.00620 mg/L maximum) above the method detection limit, but below the reporting limit (RL).
  - Any result for cyanide with a positive detection below RL is qualified as non-detect at the RL.
  - Any result for cyanide with a positive detection above the RL but below 10x the blank concentration is qualified as estimated, with a possible high bias, "J+".
  - Any result for cyanide greater than 10x the blank detection is not qualified; the data is usable as reported.

The laboratory control spike recoveries and precision indicate the method is within laboratory control. MS/MSDs were analyzed using **MW-06-0424**, **MW-06-1024 and MW-02R-1024**. The spiking solution was ,125% of the original concentration for **MW-02R-1024**, and the calculations cannot be used to determine method efficacy. Recoveries for **MW-06-1024** were within criteria, no qualifications were required. Recoveries were high for the **MW-06-0424 MS/MD** pair; RPDs were within criteria, Data was previously qualified as non-detect at the RL, and no further qualification is required.

The blind field duplicate correlations of MW-02R reported within the project objectives of ± 30%, and are noted in Table 4.

Table 4: Field Precision Calculations Cyanide

Compound	MW-02R-0424	FD	RPD
Cyanide	1.1	1.1	0

µg/L-microgram per liter RPD - relative percent difference
NC: Not calculated – concentration unreliable/too low

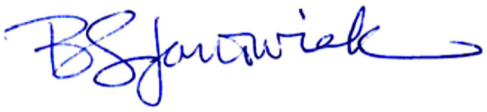
Compound	MW-02R-1024	FD	RPD
Cyanide	0.95	1.2	23.3

Data Package Completeness

Complete NYSDEC Category B deliverables were included in the laboratory data package, all information required for validation of the data is present.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Sincerely,



Bonnie Janowiak, Ph.D.
Principal Environmental Chemist, N.R.C.C.

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site:

Job ID: 480-218484-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-218484-1	MW-02R	Water	04/03/24 10:35	04/04/24 10:30
480-218484-2	MW-03	Water	04/03/24 11:20	04/04/24 10:30
480-218484-3	MW-06	Water	04/03/24 11:25	04/04/24 10:30
480-218484-4	MW-07	Water	04/03/24 10:30	04/04/24 10:30
480-218484-5	MW-08R	Water	04/03/24 12:10	04/04/24 10:30
480-218484-6	MW-13	Water	04/03/24 12:25	04/04/24 10:30
480-218484-7	Field Duplicate	Water	04/03/24 00:00	04/04/24 10:30
480-218484-8	Trip Blank	Water	04/03/24 12:45	04/04/24 10:30

Job ID: 480-218484-1 Eurofins Buffalo

Job Narrative
480-218484-1

Receipt
The samples were received on 4/4/2024 10:30 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 2.7º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The following sample was diluted due to color, appearance, and viscosity: MW-08R (480-218484-5). Elevated reporting limits (RL) are provided.

Method 8270D: Three surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW-02R (480-218484-1), MW-03 (480-218484-2), MW-06-MS (480-218484-3[MS]), MW-06-MSD (480-218484-3[MSD]), MW-08R (480-218484-5), MW-13 (480-218484-6) and Field Duplicate (480-218484-7). These results have been reported and qualified.

Method 8270D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-02R (480-218484-1) and Field Duplicate (480-218484-7). Elevated reporting limits (RLs) are provided.

Method 8270D: Surrogate recovery for the following samples were outside control limits: MW-02R (480-218484-1) and Field Duplicate (480-218484-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

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

Sample Summary

Client: Groundwater & Environmental Services Inc
Job ID: 480-224250-1
Project/Site:

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-224250-1	MW-02R	Water	10/10/24 10:00	10/11/24 09:30
480-224250-2	MW-03	Water	10/10/24 10:55	10/11/24 09:30
480-224250-3	MW-06	Water	10/10/24 10:50	10/11/24 09:30
480-224250-4	MW-07	Water	10/10/24 11:45	10/11/24 09:30
480-224250-5	MW-08R	Water	10/10/24 10:05	10/11/24 09:30
480-224250-6	MW-13	Water	10/10/24 11:35	10/11/24 09:30
480-224250-7	Field Duplicate	Water	10/10/24 12:00	10/11/24 09:30
480-224250-8	Trip Blank	Water	10/10/24 00:00	10/11/24 09:30

Job ID: 480-224250-1 Eurofins Buffalo

Job Narrative
480-224250-1

Receipt
The samples were received on 10/11/2024 9:30 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 2.8º C.

GC/MS VOA
Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Field Duplicate (480-224250-7). Elevated reporting limits (RLs) are provided.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-727918 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are impacted: MW-06 (480-224250-3[MS]) and MW-06 (480-224250-3[MSD]).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-02R (480-224250-1). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-02R (480-224250-1) and Field Duplicate (480-224250-7). Elevated reporting limits (RLs) are provided.

Method 8270D: The following samples required a dilution due to the nature of the sample matrix: MW-02R (480-224250-1) and Field Duplicate (480-224250-7). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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

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

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

Appendix D – Groundwater Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tim Beaumont
Groundwater & Environmental Services Inc
6780 Northern Boulevard
Suite 100
East Syracuse, New York 13057

Generated 4/19/2024 10:50:41 AM

JOB DESCRIPTION

Ilion Semi-Annual GW

JOB NUMBER

480-218484-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Eurofins Buffalo

Job Notes

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

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

Authorization

Generated
4/19/2024 10:50:41 AM

Authorized for release by
Wyatt Watson, Project Management Assistant I
Wyatt.Watson@et.eurofinsus.com
Designee for
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: 480-218484-1 Eurofins Buffalo

Job Narrative
480-218484-1

Receipt
The samples were received on 4/4/2024 10:30 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 2.7º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The following sample was diluted due to color, appearance, and viscosity: MW-08R (480-218484-5). Elevated reporting limits (RL) are provided.

Method 8270D: Three surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW-02R (480-218484-1), MW-03 (480-218484-2), MW-06-MS (480-218484-3[MS]), MW-06-MSD (480-218484-3[MSD]), MW-08R (480-218484-5), MW-13 (480-218484-6) and Field Duplicate (480-218484-7). These results have been reported and qualified.

Method 8270D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-02R (480-218484-1) and Field Duplicate (480-218484-7). Elevated reporting limits (RLs) are provided.

Method 8270D: Surrogate recovery for the following samples were outside control limits: MW-02R (480-218484-1) and Field Duplicate (480-218484-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

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

Detection Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-218484-1

Client Sample ID: MW-02R — Lab Sample ID: 480-218484-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	69		1.0	0.41	ug/L	1		8260C	Total/NA
Toluene	4.8		1.0	0.51	ug/L	1		8260C	Total/NA
Ethylbenzene	13		1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	16		2.0	0.66	ug/L	1		8260C	Total/NA
o-Xylene	10		1.0	0.76	ug/L	1		8260C	Total/NA
Xylenes, Total	26		2.0	0.66	ug/L	1		8260C	Total/NA
Total BTEX	110		2.0	1.0	ug/L	1		8260C	Total/NA
Acenaphthene	20		5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	2.5	J	5.0	0.38	ug/L	1		8270D	Total/NA
Fluorene	3.8	J	5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	120	E	5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	4.1	J	5.0	0.44	ug/L	1		8270D	Total/NA
Acenaphthene - DL	33	J	50	4.1	ug/L	10		8270D	Total/NA
Fluorene - DL	15	J	50	3.6	ug/L	10		8270D	Total/NA
Naphthalene - DL	130		50	7.6	ug/L	10		8270D	Total/NA
Cyanide, Total	1.1	B	0.10	0.041	mg/L	10		9012B	Total/NA

Client Sample ID: MW-03 — Lab Sample ID: 480-218484-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.020	B	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-06 — Lab Sample ID: 480-218484-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.0096	J B F1	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-07 — Lab Sample ID: 480-218484-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	1.5	J	5.0	0.41	ug/L	1		8270D	Total/NA
Naphthalene	0.94	J	5.0	0.76	ug/L	1		8270D	Total/NA
Cyanide, Total	0.18	B	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-08R — Lab Sample ID: 480-218484-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.64	B	0.020	0.0082	mg/L	2		9012B	Total/NA

Client Sample ID: MW-13 — Lab Sample ID: 480-218484-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.015	B	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: Field Duplicate — Lab Sample ID: 480-218484-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	77		1.0	0.41	ug/L	1		8260C	Total/NA
Toluene	4.5		1.0	0.51	ug/L	1		8260C	Total/NA
Ethylbenzene	14		1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	17		2.0	0.66	ug/L	1		8260C	Total/NA
o-Xylene	11		1.0	0.76	ug/L	1		8260C	Total/NA
Xylenes, Total	28		2.0	0.66	ug/L	1		8260C	Total/NA
Total BTEX	120		2.0	1.0	ug/L	1		8260C	Total/NA
Acenaphthene	21		5.0	0.41	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: Field Duplicate (Continued) Lab Sample ID: 480-218484-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	2.6	J	5.0	0.38	ug/L	1		8270D	Total/NA
Fluorene	4.1	J	5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	130	E	5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	4.2	J	5.0	0.44	ug/L	1		8270D	Total/NA
Acenaphthene - DL	17	J	50	4.1	ug/L	10		8270D	Total/NA
Naphthalene - DL	150		50	7.6	ug/L	10		8270D	Total/NA
Cyanide, Total	1.1	B	0.10	0.041	mg/L	10		9012B	Total/NA

Client Sample ID: Trip Blank Lab Sample ID: 480-218484-8

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-02R **Lab Sample ID: 480-218484-1**
Date Collected: 04/03/24 10:35 **Matrix: Water**
Date Received: 04/04/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**69**		1.0	0.41	ug/L			04/05/24 15:45	1
Toluene	**4.8**		1.0	0.51	ug/L			04/05/24 15:45	1
Ethylbenzene	**13**		1.0	0.74	ug/L			04/05/24 15:45	1
m-Xylene & p-Xylene	**16**		2.0	0.66	ug/L			04/05/24 15:45	1
o-Xylene	**10**		1.0	0.76	ug/L			04/05/24 15:45	1
Xylenes, Total	**26**		2.0	0.66	ug/L			04/05/24 15:45	1
Total BTEX	**110**		2.0	1.0	ug/L			04/05/24 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/05/24 15:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*04/05/24 15:45*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*04/05/24 15:45*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*04/05/24 15:45*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**20**		5.0	0.41	ug/L		04/05/24 08:50	04/12/24 22:12	1
Acenaphthylene	**2.5**	**J**	5.0	0.38	ug/L		04/05/24 08:50	04/12/24 22:12	1
Anthracene	ND		5.0	0.28	ug/L		04/05/24 08:50	04/12/24 22:12	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		04/05/24 08:50	04/12/24 22:12	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		04/05/24 08:50	04/12/24 22:12	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		04/05/24 08:50	04/12/24 22:12	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		04/05/24 08:50	04/12/24 22:12	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		04/05/24 08:50	04/12/24 22:12	1
Chrysene	ND		5.0	0.33	ug/L		04/05/24 08:50	04/12/24 22:12	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		04/05/24 08:50	04/12/24 22:12	1
Fluoranthene	ND		5.0	0.40	ug/L		04/05/24 08:50	04/12/24 22:12	1
Fluorene	**3.8**	**J**	5.0	0.36	ug/L		04/05/24 08:50	04/12/24 22:12	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		04/05/24 08:50	04/12/24 22:12	1
Naphthalene	**120**	**E**	5.0	0.76	ug/L		04/05/24 08:50	04/12/24 22:12	1
Phenanthrene	**4.1**	**J**	5.0	0.44	ug/L		04/05/24 08:50	04/12/24 22:12	1
Pyrene	ND		5.0	0.34	ug/L		04/05/24 08:50	04/12/24 22:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*99*		*48 - 120*	*04/05/24 08:50*	*04/12/24 22:12*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 120*	*04/05/24 08:50*	*04/12/24 22:12*	*1*
p-Terphenyl-d14 (Surr)	*58*	*S1-*	*60 - 148*	*04/05/24 08:50*	*04/12/24 22:12*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**33**	**J**	50	4.1	ug/L		04/05/24 08:50	04/17/24 15:41	10
Acenaphthylene	ND		50	3.8	ug/L		04/05/24 08:50	04/17/24 15:41	10
Anthracene	ND		50	2.8	ug/L		04/05/24 08:50	04/17/24 15:41	10
Benzo[a]anthracene	ND		50	3.6	ug/L		04/05/24 08:50	04/17/24 15:41	10
Benzo[a]pyrene	ND		50	4.7	ug/L		04/05/24 08:50	04/17/24 15:41	10
Benzo[b]fluoranthene	ND		50	3.4	ug/L		04/05/24 08:50	04/17/24 15:41	10
Benzo[g,h,i]perylene	ND		50	3.5	ug/L		04/05/24 08:50	04/17/24 15:41	10
Benzo[k]fluoranthene	ND		50	7.3	ug/L		04/05/24 08:50	04/17/24 15:41	10
Chrysene	ND		50	3.3	ug/L		04/05/24 08:50	04/17/24 15:41	10
Dibenz(a,h)anthracene	ND		50	4.2	ug/L		04/05/24 08:50	04/17/24 15:41	10
Fluoranthene	ND		50	4.0	ug/L		04/05/24 08:50	04/17/24 15:41	10

Client Sample ID: MW-02R
Lab Sample ID: 480-218484-1
Date Collected: 04/03/24 10:35
Matrix: Water
Date Received: 04/04/24 10:30

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	**15**	**J**	50	3.6	ug/L		04/05/24 08:50	04/17/24 15:41	10
Indeno[1,2,3-cd]pyrene	ND		50	4.7	ug/L		04/05/24 08:50	04/17/24 15:41	10
Naphthalene	**130**		50	7.6	ug/L		04/05/24 08:50	04/17/24 15:41	10
Phenanthrene	ND		50	4.4	ug/L		04/05/24 08:50	04/17/24 15:41	10
Pyrene	ND		50	3.4	ug/L		04/05/24 08:50	04/17/24 15:41	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*73*		*48 - 120*	*04/05/24 08:50*	*04/17/24 15:41*	*10*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*46 - 120*	*04/05/24 08:50*	*04/17/24 15:41*	*10*
p-Terphenyl-d14 (Surr)	*53*	*S1-*	*60 - 148*	*04/05/24 08:50*	*04/17/24 15:41*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**1.1**	**B**	0.10	0.041	mg/L			04/10/24 01:31	10

Client Sample ID: MW-03
Lab Sample ID: 480-218484-2
Date Collected: 04/03/24 11:20
Matrix: Water
Date Received: 04/04/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/05/24 16:08	1
Toluene	ND		1.0	0.51	ug/L			04/05/24 16:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/05/24 16:08	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/05/24 16:08	1
o-Xylene	ND		1.0	0.76	ug/L			04/05/24 16:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/05/24 16:08	1
Total BTEX	ND		2.0	1.0	ug/L			04/05/24 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*04/05/24 16:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*04/05/24 16:08*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*04/05/24 16:08*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*04/05/24 16:08*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		04/05/24 08:50	04/12/24 22:40	1
Acenaphthylene	ND		5.0	0.38	ug/L		04/05/24 08:50	04/12/24 22:40	1
Anthracene	ND		5.0	0.28	ug/L		04/05/24 08:50	04/12/24 22:40	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		04/05/24 08:50	04/12/24 22:40	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		04/05/24 08:50	04/12/24 22:40	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		04/05/24 08:50	04/12/24 22:40	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		04/05/24 08:50	04/12/24 22:40	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		04/05/24 08:50	04/12/24 22:40	1
Chrysene	ND		5.0	0.33	ug/L		04/05/24 08:50	04/12/24 22:40	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		04/05/24 08:50	04/12/24 22:40	1
Fluoranthene	ND		5.0	0.40	ug/L		04/05/24 08:50	04/12/24 22:40	1
Fluorene	ND		5.0	0.36	ug/L		04/05/24 08:50	04/12/24 22:40	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		04/05/24 08:50	04/12/24 22:40	1
Naphthalene	ND		5.0	0.76	ug/L		04/05/24 08:50	04/12/24 22:40	1
Phenanthrene	ND		5.0	0.44	ug/L		04/05/24 08:50	04/12/24 22:40	1

Client Sample ID: MW-03
Lab Sample ID: 480-218484-2
Date Collected: 04/03/24 11:20
Matrix: Water
Date Received: 04/04/24 10:30

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		5.0	0.34	ug/L		04/05/24 08:50	04/12/24 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*105*		*48 - 120*	*04/05/24 08:50*	*04/12/24 22:40*	*1*
Nitrobenzene-d5 (Surr)	*97*		*46 - 120*	*04/05/24 08:50*	*04/12/24 22:40*	*1*
p-Terphenyl-d14 (Surr)	*50*	*S1-*	*60 - 148*	*04/05/24 08:50*	*04/12/24 22:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.020**	**B**	0.010	0.0041	mg/L			04/04/24 23:49	1

Client Sample ID: MW-06
Lab Sample ID: 480-218484-3
Date Collected: 04/03/24 11:25
Matrix: Water
Date Received: 04/04/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/05/24 16:30	1
Toluene	ND		1.0	0.51	ug/L			04/05/24 16:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/05/24 16:30	1
m-Xylene & p-Xylene	ND	F1	2.0	0.66	ug/L			04/05/24 16:30	1
o-Xylene	ND		1.0	0.76	ug/L			04/05/24 16:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/05/24 16:30	1
Total BTEX	ND		2.0	1.0	ug/L			04/05/24 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*80 - 120*		*04/05/24 16:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*04/05/24 16:30*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*04/05/24 16:30*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*04/05/24 16:30*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		04/05/24 08:50	04/12/24 21:44	1
Acenaphthylene	ND		5.0	0.38	ug/L		04/05/24 08:50	04/12/24 21:44	1
Anthracene	ND		5.0	0.28	ug/L		04/05/24 08:50	04/12/24 21:44	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		04/05/24 08:50	04/12/24 21:44	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		04/05/24 08:50	04/12/24 21:44	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		04/05/24 08:50	04/12/24 21:44	1
Benzo[g,h,i]perylene	ND	F2	5.0	0.35	ug/L		04/05/24 08:50	04/12/24 21:44	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		04/05/24 08:50	04/12/24 21:44	1
Chrysene	ND		5.0	0.33	ug/L		04/05/24 08:50	04/12/24 21:44	1
Dibenz(a,h)anthracene	ND	F2	5.0	0.42	ug/L		04/05/24 08:50	04/12/24 21:44	1
Fluoranthene	ND		5.0	0.40	ug/L		04/05/24 08:50	04/12/24 21:44	1
Fluorene	ND		5.0	0.36	ug/L		04/05/24 08:50	04/12/24 21:44	1
Indeno[1,2,3-cd]pyrene	ND	F2	5.0	0.47	ug/L		04/05/24 08:50	04/12/24 21:44	1
Naphthalene	ND		5.0	0.76	ug/L		04/05/24 08:50	04/12/24 21:44	1
Phenanthrene	ND		5.0	0.44	ug/L		04/05/24 08:50	04/12/24 21:44	1
Pyrene	ND		5.0	0.34	ug/L		04/05/24 08:50	04/12/24 21:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*112*		*48 - 120*	*04/05/24 08:50*	*04/12/24 21:44*	*1*

Client Sample ID: MW-06
Lab Sample ID: 480-218484-3
Date Collected: 04/03/24 11:25
Matrix: Water
Date Received: 04/04/24 10:30

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*101*		*46 - 120*	*04/05/24 08:50*	*04/12/24 21:44*	*1*
p-Terphenyl-d14 (Surr)	*68*		*60 - 148*	*04/05/24 08:50*	*04/12/24 21:44*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.0096**	**J B F1**	0.010	0.0041	mg/L			04/04/24 23:39	1

Client Sample ID: MW-07
Lab Sample ID: 480-218484-4
Date Collected: 04/03/24 10:30
Matrix: Water
Date Received: 04/04/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/05/24 16:52	1
Toluene	ND		1.0	0.51	ug/L			04/05/24 16:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/05/24 16:52	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/05/24 16:52	1
o-Xylene	ND		1.0	0.76	ug/L			04/05/24 16:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/05/24 16:52	1
Total BTEX	ND		2.0	1.0	ug/L			04/05/24 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*103*		*80 - 120*		*04/05/24 16:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*04/05/24 16:52*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*04/05/24 16:52*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*04/05/24 16:52*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.5**	**J**	5.0	0.41	ug/L		04/05/24 14:10	04/12/24 23:08	1
Acenaphthylene	ND		5.0	0.38	ug/L		04/05/24 14:10	04/12/24 23:08	1
Anthracene	ND		5.0	0.28	ug/L		04/05/24 14:10	04/12/24 23:08	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		04/05/24 14:10	04/12/24 23:08	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		04/05/24 14:10	04/12/24 23:08	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		04/05/24 14:10	04/12/24 23:08	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		04/05/24 14:10	04/12/24 23:08	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		04/05/24 14:10	04/12/24 23:08	1
Chrysene	ND		5.0	0.33	ug/L		04/05/24 14:10	04/12/24 23:08	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		04/05/24 14:10	04/12/24 23:08	1
Fluoranthene	ND		5.0	0.40	ug/L		04/05/24 14:10	04/12/24 23:08	1
Fluorene	ND		5.0	0.36	ug/L		04/05/24 14:10	04/12/24 23:08	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		04/05/24 14:10	04/12/24 23:08	1
Naphthalene	**0.94**	**J**	5.0	0.76	ug/L		04/05/24 14:10	04/12/24 23:08	1
Phenanthrene	ND		5.0	0.44	ug/L		04/05/24 14:10	04/12/24 23:08	1
Pyrene	ND		5.0	0.34	ug/L		04/05/24 14:10	04/12/24 23:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	*97*		*48 - 120*	*04/05/24 14:10*	*04/12/24 23:08*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 120*	*04/05/24 14:10*	*04/12/24 23:08*	*1*
p-Terphenyl-d14 (Surr)	*81*		*60 - 148*	*04/05/24 14:10*	*04/12/24 23:08*	*1*

Client Sample ID: MW-07
Lab Sample ID: 480-218484-4
Date Collected: 04/03/24 10:30
Matrix: Water
Date Received: 04/04/24 10:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.18	B	0.010	0.0041	mg/L			04/04/24 23:52	1

Client Sample ID: MW-08R
Lab Sample ID: 480-218484-5
Date Collected: 04/03/24 12:10
Matrix: Water
Date Received: 04/04/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/05/24 17:14	1
Toluene	ND		1.0	0.51	ug/L			04/05/24 17:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/05/24 17:14	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/05/24 17:14	1
o-Xylene	ND		1.0	0.76	ug/L			04/05/24 17:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/05/24 17:14	1
Total BTEX	ND		2.0	1.0	ug/L			04/05/24 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*04/05/24 17:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*04/05/24 17:14*	*1*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*04/05/24 17:14*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*04/05/24 17:14*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		50	4.1	ug/L		04/05/24 08:50	04/12/24 23:36	10
Acenaphthylene	ND		50	3.8	ug/L		04/05/24 08:50	04/12/24 23:36	10
Anthracene	ND		50	2.8	ug/L		04/05/24 08:50	04/12/24 23:36	10
Benzo[a]anthracene	ND		50	3.6	ug/L		04/05/24 08:50	04/12/24 23:36	10
Benzo[a]pyrene	ND		50	4.7	ug/L		04/05/24 08:50	04/12/24 23:36	10
Benzo[b]fluoranthene	ND		50	3.4	ug/L		04/05/24 08:50	04/12/24 23:36	10
Benzo[g,h,i]perylene	ND		50	3.5	ug/L		04/05/24 08:50	04/12/24 23:36	10
Benzo[k]fluoranthene	ND		50	7.3	ug/L		04/05/24 08:50	04/12/24 23:36	10
Chrysene	ND		50	3.3	ug/L		04/05/24 08:50	04/12/24 23:36	10
Dibenz(a,h)anthracene	ND		50	4.2	ug/L		04/05/24 08:50	04/12/24 23:36	10
Fluoranthene	ND		50	4.0	ug/L		04/05/24 08:50	04/12/24 23:36	10
Fluorene	ND		50	3.6	ug/L		04/05/24 08:50	04/12/24 23:36	10
Indeno[1,2,3-cd]pyrene	ND		50	4.7	ug/L		04/05/24 08:50	04/12/24 23:36	10
Naphthalene	ND		50	7.6	ug/L		04/05/24 08:50	04/12/24 23:36	10
Phenanthrene	ND		50	4.4	ug/L		04/05/24 08:50	04/12/24 23:36	10
Pyrene	ND		50	3.4	ug/L		04/05/24 08:50	04/12/24 23:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*88*		*48 - 120*	*04/05/24 08:50*	*04/12/24 23:36*	*10*
Nitrobenzene-d5 (Surr)	*74*		*46 - 120*	*04/05/24 08:50*	*04/12/24 23:36*	*10*
p-Terphenyl-d14 (Surr)	*33*	*S1-*	*60 - 148*	*04/05/24 08:50*	*04/12/24 23:36*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.64	B	0.020	0.0082	mg/L			04/09/24 20:03	2

Client Sample ID: MW-13
Lab Sample ID: 480-218484-6
Date Collected: 04/03/24 12:25
Matrix: Water
Date Received: 04/04/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/05/24 17:36	1
Toluene	ND		1.0	0.51	ug/L			04/05/24 17:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/05/24 17:36	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/05/24 17:36	1
o-Xylene	ND		1.0	0.76	ug/L			04/05/24 17:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/05/24 17:36	1
Total BTEX	ND		2.0	1.0	ug/L			04/05/24 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*80 - 120*		*04/05/24 17:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*04/05/24 17:36*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*04/05/24 17:36*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*04/05/24 17:36*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		04/05/24 08:50	04/13/24 00:04	1
Acenaphthylene	ND		5.0	0.38	ug/L		04/05/24 08:50	04/13/24 00:04	1
Anthracene	ND		5.0	0.28	ug/L		04/05/24 08:50	04/13/24 00:04	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		04/05/24 08:50	04/13/24 00:04	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		04/05/24 08:50	04/13/24 00:04	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		04/05/24 08:50	04/13/24 00:04	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		04/05/24 08:50	04/13/24 00:04	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		04/05/24 08:50	04/13/24 00:04	1
Chrysene	ND		5.0	0.33	ug/L		04/05/24 08:50	04/13/24 00:04	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		04/05/24 08:50	04/13/24 00:04	1
Fluoranthene	ND		5.0	0.40	ug/L		04/05/24 08:50	04/13/24 00:04	1
Fluorene	ND		5.0	0.36	ug/L		04/05/24 08:50	04/13/24 00:04	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		04/05/24 08:50	04/13/24 00:04	1
Naphthalene	ND		5.0	0.76	ug/L		04/05/24 08:50	04/13/24 00:04	1
Phenanthrene	ND		5.0	0.44	ug/L		04/05/24 08:50	04/13/24 00:04	1
Pyrene	ND		5.0	0.34	ug/L		04/05/24 08:50	04/13/24 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*110*		*48 - 120*	*04/05/24 08:50*	*04/13/24 00:04*	*1*
Nitrobenzene-d5 (Surr)	*97*		*46 - 120*	*04/05/24 08:50*	*04/13/24 00:04*	*1*
p-Terphenyl-d14 (Surr)	*57*	*S1-*	*60 - 148*	*04/05/24 08:50*	*04/13/24 00:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.015**	**B**	0.010	0.0041	mg/L			04/04/24 23:57	1

Client Sample ID: Field Duplicate
Lab Sample ID: 480-218484-7
Date Collected: 04/03/24 00:00
Matrix: Water
Date Received: 04/04/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**77**		1.0	0.41	ug/L			04/05/24 17:59	1
Toluene	**4.5**		1.0	0.51	ug/L			04/05/24 17:59	1
Ethylbenzene	**14**		1.0	0.74	ug/L			04/05/24 17:59	1
m-Xylene & p-Xylene	**17**		2.0	0.66	ug/L			04/05/24 17:59	1

Client Sample ID: Field Duplicate
Date Collected: 04/03/24 00:00
Date Received: 04/04/24 10:30

Lab Sample ID: 480-218484-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	11		1.0	0.76	ug/L			04/05/24 17:59	1
Xylenes, Total	28		2.0	0.66	ug/L			04/05/24 17:59	1
Total BTEX	120		2.0	1.0	ug/L			04/05/24 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*04/05/24 17:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*04/05/24 17:59*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*04/05/24 17:59*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*04/05/24 17:59*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	21		5.0	0.41	ug/L		04/05/24 08:50	04/13/24 00:32	1
Acenaphthylene	2.6	J	5.0	0.38	ug/L		04/05/24 08:50	04/13/24 00:32	1
Anthracene	ND		5.0	0.28	ug/L		04/05/24 08:50	04/13/24 00:32	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		04/05/24 08:50	04/13/24 00:32	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		04/05/24 08:50	04/13/24 00:32	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		04/05/24 08:50	04/13/24 00:32	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		04/05/24 08:50	04/13/24 00:32	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		04/05/24 08:50	04/13/24 00:32	1
Chrysene	ND		5.0	0.33	ug/L		04/05/24 08:50	04/13/24 00:32	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		04/05/24 08:50	04/13/24 00:32	1
Fluoranthene	ND		5.0	0.40	ug/L		04/05/24 08:50	04/13/24 00:32	1
Fluorene	4.1	J	5.0	0.36	ug/L		04/05/24 08:50	04/13/24 00:32	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		04/05/24 08:50	04/13/24 00:32	1
Naphthalene	130	E	5.0	0.76	ug/L		04/05/24 08:50	04/13/24 00:32	1
Phenanthrene	4.2	J	5.0	0.44	ug/L		04/05/24 08:50	04/13/24 00:32	1
Pyrene	ND		5.0	0.34	ug/L		04/05/24 08:50	04/13/24 00:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*108*		*48 - 120*	*04/05/24 08:50*	*04/13/24 00:32*	*1*
Nitrobenzene-d5 (Surr)	*94*		*46 - 120*	*04/05/24 08:50*	*04/13/24 00:32*	*1*
p-Terphenyl-d14 (Surr)	*49*	*S1-*	*60 - 148*	*04/05/24 08:50*	*04/13/24 00:32*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	17	J	50	4.1	ug/L		04/05/24 08:50	04/17/24 16:09	10
Acenaphthylene	ND		50	3.8	ug/L		04/05/24 08:50	04/17/24 16:09	10
Anthracene	ND		50	2.8	ug/L		04/05/24 08:50	04/17/24 16:09	10
Benzo[a]anthracene	ND		50	3.6	ug/L		04/05/24 08:50	04/17/24 16:09	10
Benzo[a]pyrene	ND		50	4.7	ug/L		04/05/24 08:50	04/17/24 16:09	10
Benzo[b]fluoranthene	ND		50	3.4	ug/L		04/05/24 08:50	04/17/24 16:09	10
Benzo[g,h,i]perylene	ND		50	3.5	ug/L		04/05/24 08:50	04/17/24 16:09	10
Benzo[k]fluoranthene	ND		50	7.3	ug/L		04/05/24 08:50	04/17/24 16:09	10
Chrysene	ND		50	3.3	ug/L		04/05/24 08:50	04/17/24 16:09	10
Dibenz(a,h)anthracene	ND		50	4.2	ug/L		04/05/24 08:50	04/17/24 16:09	10
Fluoranthene	ND		50	4.0	ug/L		04/05/24 08:50	04/17/24 16:09	10
Fluorene	ND		50	3.6	ug/L		04/05/24 08:50	04/17/24 16:09	10
Indeno[1,2,3-cd]pyrene	ND		50	4.7	ug/L		04/05/24 08:50	04/17/24 16:09	10
Naphthalene	150		50	7.6	ug/L		04/05/24 08:50	04/17/24 16:09	10
Phenanthrene	ND		50	4.4	ug/L		04/05/24 08:50	04/17/24 16:09	10

Client Sample ID: Field Duplicate
Lab Sample ID: 480-218484-7
Date Collected: 04/03/24 00:00
Matrix: Water
Date Received: 04/04/24 10:30

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		50	3.4	ug/L		04/05/24 08:50	04/17/24 16:09	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*76*		*48 - 120*	*04/05/24 08:50*	*04/17/24 16:09*	*10*
Nitrobenzene-d5 (Surr)	*73*		*46 - 120*	*04/05/24 08:50*	*04/17/24 16:09*	*10*
p-Terphenyl-d14 (Surr)	*29*	*S1-*	*60 - 148*	*04/05/24 08:50*	*04/17/24 16:09*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**1.1**	**B**	0.10	0.041	mg/L			04/10/24 01:33	10

Client Sample ID: Trip Blank
Lab Sample ID: 480-218484-8
Date Collected: 04/03/24 12:45
Matrix: Water
Date Received: 04/04/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/05/24 18:21	1
Toluene	ND		1.0	0.51	ug/L			04/05/24 18:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/05/24 18:21	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/05/24 18:21	1
o-Xylene	ND		1.0	0.76	ug/L			04/05/24 18:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/05/24 18:21	1
Total BTEX	ND		2.0	1.0	ug/L			04/05/24 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*04/05/24 18:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*04/05/24 18:21*	*1*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*04/05/24 18:21*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*04/05/24 18:21*	*1*

Surrogate Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-218484-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-218484-1	MW-02R	102	93	109	105
480-218484-2	MW-03	104	92	110	104
480-218484-3	MW-06	105	94	110	103
480-218484-3 MS	MW-06-MS	102	96	109	104
480-218484-3 MSD	MW-06-MSD	101	95	111	102
480-218484-4	MW-07	103	96	111	104
480-218484-5	MW-08R	104	95	112	103
480-218484-6	MW-13	105	94	109	107
480-218484-7	Field Duplicate	103	104	105	107
480-218484-8	Trip Blank	103	92	113	102
LCS 480-706469/6	Lab Control Sample	107	95	109	104
MB 480-706469/8	Method Blank	104	94	110	102

Surrogate Legend

TOL = Toluene-d8 (Surr)

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

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(48-120)	(46-120)	(60-148)
480-218484-1	MW-02R	99	87	58 S1-
480-218484-1 - DL	MW-02R	73	0 S1-	53 S1-
480-218484-2	MW-03	105	97	50 S1-
480-218484-3	MW-06	112	101	68
480-218484-3 MS	MW-06-MS	101	105	54 S1-
480-218484-3 MSD	MW-06-MSD	102	104	57 S1-
480-218484-4	MW-07	97	85	81
480-218484-5	MW-08R	88	74	33 S1-
480-218484-6	MW-13	110	97	57 S1-
480-218484-7	Field Duplicate	108	94	49 S1-
480-218484-7 - DL	Field Duplicate	76	73	29 S1-
LCS 480-706381/2-A	Lab Control Sample	96	93	93
LCSD 480-706381/3-A	Lab Control Sample Dup	100	100	99
MB 480-706381/1-A	Method Blank	94	85	89

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

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

Lab Sample ID: MB 480-706469/8
Matrix: Water
Analysis Batch: 706469

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/05/24 15:23	1
Toluene	ND		1.0	0.51	ug/L			04/05/24 15:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/05/24 15:23	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/05/24 15:23	1
o-Xylene	ND		1.0	0.76	ug/L			04/05/24 15:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/05/24 15:23	1
Total BTEX	ND		2.0	1.0	ug/L			04/05/24 15:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*04/05/24 15:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*04/05/24 15:23*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*04/05/24 15:23*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*04/05/24 15:23*	*1*

Lab Sample ID: LCS 480-706469/6
Matrix: Water
Analysis Batch: 706469

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	25.8		ug/L		103	71 - 124
Toluene	25.0	27.0		ug/L		108	80 - 122
Ethylbenzene	25.0	26.7		ug/L		107	77 - 123
m-Xylene & p-Xylene	25.0	27.5		ug/L		110	76 - 122
o-Xylene	25.0	27.3		ug/L		109	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*107*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*

Lab Sample ID: 480-218484-3 MS
Matrix: Water
Analysis Batch: 706469

Client Sample ID: MW-06-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		25.0	28.6		ug/L		114	71 - 124
Toluene	ND		25.0	28.3		ug/L		113	80 - 122
Ethylbenzene	ND		25.0	29.0		ug/L		116	77 - 123
m-Xylene & p-Xylene	ND	F1	25.0	29.6		ug/L		118	76 - 122
o-Xylene	ND		25.0	28.9		ug/L		116	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*

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

Lab Sample ID: 480-218484-3 MSD **Client Sample ID: MW-06-MSD**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 706469

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		25.0	28.9		ug/L		116	71 - 124	1	13
Toluene	ND		25.0	29.1		ug/L		116	80 - 122	3	15
Ethylbenzene	ND		25.0	30.0		ug/L		120	77 - 123	3	15
m-Xylene & p-Xylene	ND	F1	25.0	30.7	F1	ug/L		123	76 - 122	4	16
o-Xylene	ND		25.0	29.6		ug/L		118	76 - 122	2	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-706381/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 706820 **Prep Batch: 706381**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		04/05/24 08:50	04/09/24 23:50	1
Acenaphthylene	ND		5.0	0.38	ug/L		04/05/24 08:50	04/09/24 23:50	1
Anthracene	ND		5.0	0.28	ug/L		04/05/24 08:50	04/09/24 23:50	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		04/05/24 08:50	04/09/24 23:50	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		04/05/24 08:50	04/09/24 23:50	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		04/05/24 08:50	04/09/24 23:50	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		04/05/24 08:50	04/09/24 23:50	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		04/05/24 08:50	04/09/24 23:50	1
Chrysene	ND		5.0	0.33	ug/L		04/05/24 08:50	04/09/24 23:50	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		04/05/24 08:50	04/09/24 23:50	1
Fluoranthene	ND		5.0	0.40	ug/L		04/05/24 08:50	04/09/24 23:50	1
Fluorene	ND		5.0	0.36	ug/L		04/05/24 08:50	04/09/24 23:50	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		04/05/24 08:50	04/09/24 23:50	1
Naphthalene	ND		5.0	0.76	ug/L		04/05/24 08:50	04/09/24 23:50	1
Phenanthrene	ND		5.0	0.44	ug/L		04/05/24 08:50	04/09/24 23:50	1
Pyrene	ND		5.0	0.34	ug/L		04/05/24 08:50	04/09/24 23:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*94*		*48 - 120*	*04/05/24 08:50*	*04/09/24 23:50*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 120*	*04/05/24 08:50*	*04/09/24 23:50*	*1*
p-Terphenyl-d14 (Surr)	*89*		*60 - 148*	*04/05/24 08:50*	*04/09/24 23:50*	*1*

Lab Sample ID: LCS 480-706381/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 706820 **Prep Batch: 706381**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	32.0	31.1		ug/L		97	60 - 120
Acenaphthylene	32.0	31.0		ug/L		97	63 - 120
Anthracene	32.0	32.8		ug/L		102	67 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-706381/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 706820 **Prep Batch: 706381**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzo[a]anthracene			32.0	31.9		ug/L		100	70 - 121		
Benzo[a]pyrene			32.0	31.1		ug/L		97	60 - 123		
Benzo[b]fluoranthene			32.0	31.7		ug/L		99	66 - 126		
Benzo[g,h,i]perylene			32.0	30.6		ug/L		96	66 - 150		
Benzo[k]fluoranthene			32.0	31.6		ug/L		99	65 - 124		
Chrysene			32.0	32.1		ug/L		100	69 - 120		
Dibenz(a,h)anthracene			32.0	31.1		ug/L		97	65 - 135		
Fluoranthene			32.0	33.2		ug/L		104	69 - 126		
Fluorene			32.0	32.4		ug/L		101	66 - 120		
Indeno[1,2,3-cd]pyrene			32.0	31.2		ug/L		98	69 - 146		
Naphthalene			32.0	29.1		ug/L		91	57 - 120		
Phenanthrene			32.0	31.6		ug/L		99	68 - 120		
Pyrene			32.0	33.6		ug/L		105	70 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*96*		*48 - 120*
Nitrobenzene-d5 (Surr)	*93*		*46 - 120*
p-Terphenyl-d14 (Surr)	*93*		*60 - 148*

Lab Sample ID: LCSD 480-706381/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 706820 **Prep Batch: 706381**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			32.0	33.1		ug/L		103	60 - 120	6	24
Acenaphthylene			32.0	32.9		ug/L		103	63 - 120	6	18
Anthracene			32.0	35.5		ug/L		111	67 - 120	8	15
Benzo[a]anthracene			32.0	33.8		ug/L		106	70 - 121	6	15
Benzo[a]pyrene			32.0	32.7		ug/L		102	60 - 123	5	15
Benzo[b]fluoranthene			32.0	34.5		ug/L		108	66 - 126	8	15
Benzo[g,h,i]perylene			32.0	32.6		ug/L		102	66 - 150	6	15
Benzo[k]fluoranthene			32.0	33.6		ug/L		105	65 - 124	6	22
Chrysene			32.0	34.3		ug/L		107	69 - 120	6	15
Dibenz(a,h)anthracene			32.0	32.7		ug/L		102	65 - 135	5	15
Fluoranthene			32.0	35.3		ug/L		110	69 - 126	6	15
Fluorene			32.0	34.0		ug/L		106	66 - 120	5	15
Indeno[1,2,3-cd]pyrene			32.0	32.6		ug/L		102	69 - 146	4	15
Naphthalene			32.0	31.8		ug/L		100	57 - 120	9	29
Phenanthrene			32.0	33.5		ug/L		105	68 - 120	6	15
Pyrene			32.0	36.2		ug/L		113	70 - 125	7	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*100*		*48 - 120*
Nitrobenzene-d5 (Surr)	*100*		*46 - 120*
p-Terphenyl-d14 (Surr)	*99*		*60 - 148*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-218484-3 MS **Client Sample ID: MW-06-MS**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 707219 **Prep Batch: 706381**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		32.0	33.6		ug/L		105	48 - 120
Acenaphthylene	ND		32.0	31.6		ug/L		99	63 - 120
Anthracene	ND		32.0	33.8		ug/L		106	65 - 122
Benzo[a]anthracene	ND		32.0	22.7		ug/L		71	43 - 124
Benzo[a]pyrene	ND		32.0	18.1		ug/L		57	23 - 125
Benzo[b]fluoranthene	ND		32.0	18.8		ug/L		59	27 - 127
Benzo[g,h,i]perylene	ND	F2	32.0	14.5		ug/L		45	16 - 147
Benzo[k]fluoranthene	ND		32.0	18.6		ug/L		58	20 - 124
Chrysene	ND		32.0	21.5		ug/L		67	44 - 122
Dibenz(a,h)anthracene	ND	F2	32.0	14.8		ug/L		46	16 - 139
Fluoranthene	ND		32.0	31.7		ug/L		99	63 - 129
Fluorene	ND		32.0	34.4		ug/L		108	62 - 120
Indeno[1,2,3-cd]pyrene	ND	F2	32.0	15.1		ug/L		47	16 - 140
Naphthalene	ND		32.0	30.7		ug/L		96	45 - 120
Phenanthrene	ND		32.0	33.7		ug/L		105	65 - 122
Pyrene	ND		32.0	32.5		ug/L		102	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*101*		*48 - 120*
Nitrobenzene-d5 (Surr)	*105*		*46 - 120*
p-Terphenyl-d14 (Surr)	*54*	*S1-*	*60 - 148*

Lab Sample ID: 480-218484-3 MSD **Client Sample ID: MW-06-MSD**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 707219 **Prep Batch: 706381**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		32.0	33.7		ug/L		105	48 - 120	0	24
Acenaphthylene	ND		32.0	31.2		ug/L		98	63 - 120	1	18
Anthracene	ND		32.0	32.8		ug/L		103	65 - 122	3	15
Benzo[a]anthracene	ND		32.0	24.8		ug/L		77	43 - 124	9	15
Benzo[a]pyrene	ND		32.0	20.8		ug/L		65	23 - 125	14	15
Benzo[b]fluoranthene	ND		32.0	20.9		ug/L		65	27 - 127	11	15
Benzo[g,h,i]perylene	ND	F2	32.0	17.0	F2	ug/L		53	16 - 147	16	15
Benzo[k]fluoranthene	ND		32.0	21.6		ug/L		67	20 - 124	15	22
Chrysene	ND		32.0	23.5		ug/L		73	44 - 122	9	15
Dibenz(a,h)anthracene	ND	F2	32.0	17.4	F2	ug/L		54	16 - 139	16	15
Fluoranthene	ND		32.0	31.2		ug/L		98	63 - 129	2	15
Fluorene	ND		32.0	34.5		ug/L		108	62 - 120	0	15
Indeno[1,2,3-cd]pyrene	ND	F2	32.0	18.1	F2	ug/L		56	16 - 140	18	15
Naphthalene	ND		32.0	29.6		ug/L		92	45 - 120	4	29
Phenanthrene	ND		32.0	33.5		ug/L		105	65 - 122	1	15
Pyrene	ND		32.0	33.7		ug/L		105	58 - 128	3	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*102*		*48 - 120*
Nitrobenzene-d5 (Surr)	*104*		*46 - 120*
p-Terphenyl-d14 (Surr)	*57*	*S1-*	*60 - 148*

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-706357/102
Matrix: Water
Analysis Batch: 706357
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.00420	J	0.010	0.0041	mg/L			04/04/24 22:58	1

Lab Sample ID: MB 480-706357/75
Matrix: Water
Analysis Batch: 706357
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.00650	J	0.010	0.0041	mg/L			04/04/24 21:44	1

Lab Sample ID: HLCS 480-706357/22
Matrix: Water
Analysis Batch: 706357
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.373		mg/L		93	90 - 110

Lab Sample ID: LCS 480-706357/103
Matrix: Water
Analysis Batch: 706357
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.240		mg/L		96	90 - 110

Lab Sample ID: LCS 480-706357/76
Matrix: Water
Analysis Batch: 706357
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.250		mg/L		100	90 - 110

Lab Sample ID: 480-218484-3 MS
Matrix: Water
Analysis Batch: 706357
Client Sample ID: MW-06-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0096	J B F1	0.100	0.0952	F1	mg/L		86	90 - 110

Lab Sample ID: 480-218484-3 MSD
Matrix: Water
Analysis Batch: 706357
Client Sample ID: MW-06-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.0096	J B F1	0.100	0.0997		mg/L		90	90 - 110	5	15

Lab Sample ID: MB 480-707078/103
Matrix: Water
Analysis Batch: 707078
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.00840	J	0.010	0.0041	mg/L			04/09/24 22:11	1

Method: 9012B - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: MB 480-707078/159
Matrix: Water
Analysis Batch: 707078
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.00440	J	0.010	0.0041	mg/L			04/10/24 00:43	1

Lab Sample ID: MB 480-707078/21
Matrix: Water
Analysis Batch: 707078
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0041	mg/L			04/09/24 18:33	1

Lab Sample ID: MB 480-707078/47
Matrix: Water
Analysis Batch: 707078
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.00950	J	0.010	0.0041	mg/L			04/09/24 19:41	1

Lab Sample ID: MB 480-707078/75
Matrix: Water
Analysis Batch: 707078
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0041	mg/L			04/09/24 20:57	1

Lab Sample ID: HLCS 480-707078/22
Matrix: Water
Analysis Batch: 707078
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.402		mg/L		100	90 - 110

Lab Sample ID: LCS 480-707078/104
Matrix: Water
Analysis Batch: 707078
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.254		mg/L		102	90 - 110

Lab Sample ID: LCS 480-707078/160
Matrix: Water
Analysis Batch: 707078
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.251		mg/L		100	90 - 110

Lab Sample ID: LCS 480-707078/23
Matrix: Water
Analysis Batch: 707078
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.259		mg/L		103	90 - 110

Method: 9012B - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: LCS 480-707078/48
Matrix: Water
Analysis Batch: 707078

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.250	0.269		mg/L		108	90 - 110		

Lab Sample ID: LCS 480-707078/76
Matrix: Water
Analysis Batch: 707078

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.250	0.251		mg/L		100	90 - 110		

GC/MS VOA

Analysis Batch: 706469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218484-1	MW-02R	Total/NA	Water	8260C	
480-218484-2	MW-03	Total/NA	Water	8260C	
480-218484-3	MW-06	Total/NA	Water	8260C	
480-218484-4	MW-07	Total/NA	Water	8260C	
480-218484-5	MW-08R	Total/NA	Water	8260C	
480-218484-6	MW-13	Total/NA	Water	8260C	
480-218484-7	Field Duplicate	Total/NA	Water	8260C	
480-218484-8	Trip Blank	Total/NA	Water	8260C	
MB 480-706469/8	Method Blank	Total/NA	Water	8260C	
LCS 480-706469/6	Lab Control Sample	Total/NA	Water	8260C	
480-218484-3 MS	MW-06-MS	Total/NA	Water	8260C	
480-218484-3 MSD	MW-06-MSD	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 706381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218484-1	MW-02R	Total/NA	Water	3510C	
480-218484-1 - DL	MW-02R	Total/NA	Water	3510C	
480-218484-2	MW-03	Total/NA	Water	3510C	
480-218484-3	MW-06	Total/NA	Water	3510C	
480-218484-5	MW-08R	Total/NA	Water	3510C	
480-218484-6	MW-13	Total/NA	Water	3510C	
480-218484-7	Field Duplicate	Total/NA	Water	3510C	
480-218484-7 - DL	Field Duplicate	Total/NA	Water	3510C	
MB 480-706381/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-706381/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-706381/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
480-218484-3 MS	MW-06-MS	Total/NA	Water	3510C	
480-218484-3 MSD	MW-06-MSD	Total/NA	Water	3510C	

Prep Batch: 706496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218484-4	MW-07	Total/NA	Water	3510C	

Analysis Batch: 706820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-706381/1-A	Method Blank	Total/NA	Water	8270D	706381
LCS 480-706381/2-A	Lab Control Sample	Total/NA	Water	8270D	706381
LCSD 480-706381/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	706381

Analysis Batch: 707219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218484-1	MW-02R	Total/NA	Water	8270D	706381
480-218484-2	MW-03	Total/NA	Water	8270D	706381
480-218484-3	MW-06	Total/NA	Water	8270D	706381
480-218484-4	MW-07	Total/NA	Water	8270D	706496
480-218484-5	MW-08R	Total/NA	Water	8270D	706381
480-218484-6	MW-13	Total/NA	Water	8270D	706381
480-218484-7	Field Duplicate	Total/NA	Water	8270D	706381
480-218484-3 MS	MW-06-MS	Total/NA	Water	8270D	706381
480-218484-3 MSD	MW-06-MSD	Total/NA	Water	8270D	706381

GC/MS Semi VOA

Analysis Batch: 708093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218484-1 - DL	MW-02R	Total/NA	Water	8270D	706381
480-218484-7 - DL	Field Duplicate	Total/NA	Water	8270D	706381

General Chemistry

Analysis Batch: 706357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218484-2	MW-03	Total/NA	Water	9012B	
480-218484-3	MW-06	Total/NA	Water	9012B	
480-218484-4	MW-07	Total/NA	Water	9012B	
480-218484-6	MW-13	Total/NA	Water	9012B	
MB 480-706357/102	Method Blank	Total/NA	Water	9012B	
MB 480-706357/75	Method Blank	Total/NA	Water	9012B	
HLCS 480-706357/22	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-706357/103	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-706357/76	Lab Control Sample	Total/NA	Water	9012B	
480-218484-3 MS	MW-06-MS	Total/NA	Water	9012B	
480-218484-3 MSD	MW-06-MSD	Total/NA	Water	9012B	

Analysis Batch: 707078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218484-1	MW-02R	Total/NA	Water	9012B	
480-218484-5	MW-08R	Total/NA	Water	9012B	
480-218484-7	Field Duplicate	Total/NA	Water	9012B	
MB 480-707078/103	Method Blank	Total/NA	Water	9012B	
MB 480-707078/159	Method Blank	Total/NA	Water	9012B	
MB 480-707078/21	Method Blank	Total/NA	Water	9012B	
MB 480-707078/47	Method Blank	Total/NA	Water	9012B	
MB 480-707078/75	Method Blank	Total/NA	Water	9012B	
HLCS 480-707078/22	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-707078/104	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-707078/160	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-707078/23	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-707078/48	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-707078/76	Lab Control Sample	Total/NA	Water	9012B	

Lab Chronicle

Client Sample ID: MW-02R
Lab Sample ID: 480-218484-1
Date Collected: 04/03/24 10:35
Matrix: Water
Date Received: 04/04/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	706469	AXK	EET BUF	04/05/24 15:45
Total/NA	Prep	3510C			706381	JMP	EET BUF	04/05/24 08:50
Total/NA	Analysis	8270D		1	707219	JMM	EET BUF	04/12/24 22:12
Total/NA	Prep	3510C	DL		706381	JMP	EET BUF	04/05/24 08:50
Total/NA	Analysis	8270D	DL	10	708093	JMM	EET BUF	04/17/24 15:41
Total/NA	Analysis	9012B		10	707078	GW	EET BUF	04/10/24 01:31

Client Sample ID: MW-03
Lab Sample ID: 480-218484-2
Date Collected: 04/03/24 11:20
Matrix: Water
Date Received: 04/04/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	706469	AXK	EET BUF	04/05/24 16:08
Total/NA	Prep	3510C			706381	JMP	EET BUF	04/05/24 08:50
Total/NA	Analysis	8270D		1	707219	JMM	EET BUF	04/12/24 22:40
Total/NA	Analysis	9012B		1	706357	GW	EET BUF	04/04/24 23:49

Client Sample ID: MW-06
Lab Sample ID: 480-218484-3
Date Collected: 04/03/24 11:25
Matrix: Water
Date Received: 04/04/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	706469	AXK	EET BUF	04/05/24 16:30
Total/NA	Prep	3510C			706381	JMP	EET BUF	04/05/24 08:50
Total/NA	Analysis	8270D		1	707219	JMM	EET BUF	04/12/24 21:44
Total/NA	Analysis	9012B		1	706357	GW	EET BUF	04/04/24 23:39

Client Sample ID: MW-07
Lab Sample ID: 480-218484-4
Date Collected: 04/03/24 10:30
Matrix: Water
Date Received: 04/04/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	706469	AXK	EET BUF	04/05/24 16:52
Total/NA	Prep	3510C			706496	LSC	EET BUF	04/05/24 14:10
Total/NA	Analysis	8270D		1	707219	JMM	EET BUF	04/12/24 23:08
Total/NA	Analysis	9012B		1	706357	GW	EET BUF	04/04/24 23:52

Client Sample ID: MW-08R
Lab Sample ID: 480-218484-5
Date Collected: 04/03/24 12:10
Matrix: Water
Date Received: 04/04/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	706469	AXK	EET BUF	04/05/24 17:14
Total/NA	Prep	3510C			706381	JMP	EET BUF	04/05/24 08:50
Total/NA	Analysis	8270D		10	707219	JMM	EET BUF	04/12/24 23:36
Total/NA	Analysis	9012B		2	707078	GW	EET BUF	04/09/24 20:03

Lab Chronicle

Client Sample ID: MW-13
Lab Sample ID: 480-218484-6
Date Collected: 04/03/24 12:25
Matrix: Water
Date Received: 04/04/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	706469	AXK	EET BUF	04/05/24 17:36
Total/NA	Prep	3510C			706381	JMP	EET BUF	04/05/24 08:50
Total/NA	Analysis	8270D		1	707219	JMM	EET BUF	04/13/24 00:04
Total/NA	Analysis	9012B		1	706357	GW	EET BUF	04/04/24 23:57

Client Sample ID: Field Duplicate
Lab Sample ID: 480-218484-7
Date Collected: 04/03/24 00:00
Matrix: Water
Date Received: 04/04/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	706469	AXK	EET BUF	04/05/24 17:59
Total/NA	Prep	3510C			706381	JMP	EET BUF	04/05/24 08:50
Total/NA	Analysis	8270D		1	707219	JMM	EET BUF	04/13/24 00:32
Total/NA	Prep	3510C	DL		706381	JMP	EET BUF	04/05/24 08:50
Total/NA	Analysis	8270D	DL	10	708093	JMM	EET BUF	04/17/24 16:09
Total/NA	Analysis	9012B		10	707078	GW	EET BUF	04/10/24 01:33

Client Sample ID: Trip Blank
Lab Sample ID: 480-218484-8
Date Collected: 04/03/24 12:45
Matrix: Water
Date Received: 04/04/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	706469	AXK	EET BUF	04/05/24 18:21

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

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-218484-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Total BTEX

Method Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-218484-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
9012B	Cyanide, Total and/or Amenable	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	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: Groundwater & Environmental Services Inc
Project/Site:

Job ID: 480-218484-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-218484-1	MW-02R	Water	04/03/24 10:35	04/04/24 10:30
480-218484-2	MW-03	Water	04/03/24 11:20	04/04/24 10:30
480-218484-3	MW-06	Water	04/03/24 11:25	04/04/24 10:30
480-218484-4	MW-07	Water	04/03/24 10:30	04/04/24 10:30
480-218484-5	MW-08R	Water	04/03/24 12:10	04/04/24 10:30
480-218484-6	MW-13	Water	04/03/24 12:25	04/04/24 10:30
480-218484-7	Field Duplicate	Water	04/03/24 00:00	04/04/24 10:30
480-218484-8	Trip Blank	Water	04/03/24 12:45	04/04/24 10:30

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

Chain of Custody Record

Syracuse eurofins Environment Testing

Client Information	Sampler: KEVIN LEO	Lab PM: Beninati, John	Carrier Tracking No(s): #225	COC No: 480-192872-40371.1
Client Contact: Tim Beaumont	Phone: 315 877 1368	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Groundwater & Environmental Services Inc	PWSID:			Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0603400-133570-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Ilion Semi-Annual GWS Event Desc: Ilion Semi-Annual GW	Project #: 48027231			
Site: Ilion Semi-Annual GWS	SSOW#:			

Analysis Requested

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)	9012B_NP - Cyanide, Total	8270D - PAH Semivolatiles	8260C - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				B	N	A		
MW-02R	4/3/24	10:35	G	Water			1	2	3	6	
MW-03		11:20	G	Water			1	2	3	6	
MW-06		11:25	G	Water			1	2	3	6	
MW-06-MS		11:25	G	Water			1	2	3	6	
MW-06-MSD		11:25	G	Water			1	2	3	6	
MW-07		10:30	G	Water			1	2	3	6	
MW-08R		12:10	G	Water			1	2	3	6	
MW-13		12:25	G	Water			1	2	3	6	
Field Duplicate			G	Water			1	2	3	6	
Trip Blank		12:45		Water					2		
	RE										

480-218484 Chain of Custody

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) CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 4/3/24 1540	Company: GES	Received by: R.Engling
Relinquished by: R.Engling	Date/Time: 4.3.24, 1600	Company: Eurofins	Received by: Walker
Relinquished by:	Date/Time:	Company	Received by:

Received by: R.Engling	Date/Time: 4.3.24, 1540	Company: Eurofins
Received by: Walker	Date/Time: 4/4/24 1030	Company: TAL
Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: #1 2.7

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-218484-1

Login Number: 218484
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tim Beaumont
Groundwater & Environmental Services Inc
6780 Northern Boulevard
Suite 100
East Syracuse, New York 13057

Generated 10/18/2024 12:16:14 PM

JOB DESCRIPTION

Ilion Semi-Annual GW

JOB NUMBER

480-224250-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Eurofins Buffalo

Job Notes

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

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

Authorization

Generated
10/18/2024 12:16:14 PM

Authorized for release by
Wyatt Watson, Project Management Assistant I
Wyatt.Watson@et.eurofinsus.com
Designee for
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

Table of Contents

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: 480-224250-1 Eurofins Buffalo

Job Narrative
480-224250-1

Receipt
The samples were received on 10/11/2024 9:30 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 2.8º C.

GC/MS VOA
Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Field Duplicate (480-224250-7). Elevated reporting limits (RLs) are provided.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-727918 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are impacted: MW-06 (480-224250-3[MS]) and MW-06 (480-224250-3[MSD]).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-02R (480-224250-1). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-02R (480-224250-1) and Field Duplicate (480-224250-7). Elevated reporting limits (RLs) are provided.

Method 8270D: The following samples required a dilution due to the nature of the sample matrix: MW-02R (480-224250-1) and Field Duplicate (480-224250-7). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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

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

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

Detection Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-224250-1

Client Sample ID: MW-02R — Lab Sample ID: 480-224250-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	420		10	4.1	ug/L	10		8260C	Total/NA
Toluene	81		10	5.1	ug/L	10		8260C	Total/NA
Ethylbenzene	71		10	7.4	ug/L	10		8260C	Total/NA
m-Xylene & p-Xylene	82		20	6.6	ug/L	10		8260C	Total/NA
o-Xylene	62		10	7.6	ug/L	10		8260C	Total/NA
Xylenes, Total	140		20	6.6	ug/L	10		8260C	Total/NA
Total BTEX	720		20	10	ug/L	10		8260C	Total/NA
Acenaphthene	52		5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	6.3		5.0	0.38	ug/L	1		8270D	Total/NA
Fluorene	11		5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	450	E	5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	11		5.0	0.44	ug/L	1		8270D	Total/NA
Acenaphthene - DL	47	J	100	8.2	ug/L	20		8270D	Total/NA
Fluorene - DL	11	J	100	7.2	ug/L	20		8270D	Total/NA
Naphthalene - DL	480		100	15	ug/L	20		8270D	Total/NA
Phenanthrene - DL	11	J	100	8.8	ug/L	20		8270D	Total/NA
Cyanide, Total	0.95	B	0.020	0.0082	mg/L	2		9012B	Total/NA

Client Sample ID: MW-03 — Lab Sample ID: 480-224250-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.0082	J B	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-06 — Lab Sample ID: 480-224250-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.0057	J B	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-07 — Lab Sample ID: 480-224250-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.85	J	1.0	0.41	ug/L	1		8260C	Total/NA
Acenaphthene	2.0	J	5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	0.53	J	5.0	0.38	ug/L	1		8270D	Total/NA
Fluorene	0.76	J	5.0	0.36	ug/L	1		8270D	Total/NA
Cyanide, Total	0.23	B	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-08R — Lab Sample ID: 480-224250-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.59	B	0.020	0.0082	mg/L	2		9012B	Total/NA

Client Sample ID: MW-13 — Lab Sample ID: 480-224250-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.0060	J B	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: Field Duplicate — Lab Sample ID: 480-224250-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	400		10	4.1	ug/L	10		8260C	Total/NA
Toluene	79		10	5.1	ug/L	10		8260C	Total/NA
Ethylbenzene	70		10	7.4	ug/L	10		8260C	Total/NA
m-Xylene & p-Xylene	84		20	6.6	ug/L	10		8260C	Total/NA
o-Xylene	59		10	7.6	ug/L	10		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: Field Duplicate (Continued) Lab Sample ID: 480-224250-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	140		20	6.6	ug/L	10		8260C	Total/NA
Total BTEX	690		20	10	ug/L	10		8260C	Total/NA
Acenaphthene	56		5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	7.0		5.0	0.38	ug/L	1		8270D	Total/NA
Fluorene	13		5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	470	E	5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	11		5.0	0.44	ug/L	1		8270D	Total/NA
Acenaphthene - DL	47	J	100	8.2	ug/L	20		8270D	Total/NA
Fluorene - DL	12	J	100	7.2	ug/L	20		8270D	Total/NA
Naphthalene - DL	490		100	15	ug/L	20		8270D	Total/NA
Phenanthrene - DL	12	J	100	8.8	ug/L	20		8270D	Total/NA
Cyanide, Total	1.2	B	0.10	0.041	mg/L	10		9012B	Total/NA

Client Sample ID: Trip Blank Lab Sample ID: 480-224250-8

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-02R **Lab Sample ID: 480-224250-1**
Date Collected: 10/10/24 10:00 **Matrix: Water**
Date Received: 10/11/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	420		10	4.1	ug/L			10/14/24 16:49	10
Toluene	81		10	5.1	ug/L			10/14/24 16:49	10
Ethylbenzene	71		10	7.4	ug/L			10/14/24 16:49	10
m-Xylene & p-Xylene	82		20	6.6	ug/L			10/14/24 16:49	10
o-Xylene	62		10	7.6	ug/L			10/14/24 16:49	10
Xylenes, Total	140		20	6.6	ug/L			10/14/24 16:49	10
Total BTEX	720		20	10	ug/L			10/14/24 16:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/14/24 16:49*	*10*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/14/24 16:49*	*10*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*10/14/24 16:49*	*10*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*10/14/24 16:49*	*10*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	52		5.0	0.41	ug/L		10/11/24 13:59	10/14/24 18:42	1
Acenaphthylene	6.3		5.0	0.38	ug/L		10/11/24 13:59	10/14/24 18:42	1
Anthracene	ND		5.0	0.28	ug/L		10/11/24 13:59	10/14/24 18:42	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/11/24 13:59	10/14/24 18:42	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/11/24 13:59	10/14/24 18:42	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/11/24 13:59	10/14/24 18:42	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/11/24 13:59	10/14/24 18:42	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/11/24 13:59	10/14/24 18:42	1
Chrysene	ND		5.0	0.33	ug/L		10/11/24 13:59	10/14/24 18:42	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/11/24 13:59	10/14/24 18:42	1
Fluoranthene	ND		5.0	0.40	ug/L		10/11/24 13:59	10/14/24 18:42	1
Fluorene	11		5.0	0.36	ug/L		10/11/24 13:59	10/14/24 18:42	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/11/24 13:59	10/14/24 18:42	1
Naphthalene	450	E	5.0	0.76	ug/L		10/11/24 13:59	10/14/24 18:42	1
Phenanthrene	11		5.0	0.44	ug/L		10/11/24 13:59	10/14/24 18:42	1
Pyrene	ND		5.0	0.34	ug/L		10/11/24 13:59	10/14/24 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*77*		*53 - 126*	*10/11/24 13:59*	*10/14/24 18:42*	*1*
Nitrobenzene-d5 (Surr)	*69*		*29 - 129*	*10/11/24 13:59*	*10/14/24 18:42*	*1*
p-Terphenyl-d14 (Surr)	*82*		*33 - 132*	*10/11/24 13:59*	*10/14/24 18:42*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	47	J	100	8.2	ug/L		10/11/24 13:59	10/15/24 21:37	20
Acenaphthylene	ND		100	7.6	ug/L		10/11/24 13:59	10/15/24 21:37	20
Anthracene	ND		100	5.6	ug/L		10/11/24 13:59	10/15/24 21:37	20
Benzo[a]anthracene	ND		100	7.2	ug/L		10/11/24 13:59	10/15/24 21:37	20
Benzo[a]pyrene	ND		100	9.4	ug/L		10/11/24 13:59	10/15/24 21:37	20
Benzo[b]fluoranthene	ND		100	6.8	ug/L		10/11/24 13:59	10/15/24 21:37	20
Benzo[g,h,i]perylene	ND		100	7.0	ug/L		10/11/24 13:59	10/15/24 21:37	20
Benzo[k]fluoranthene	ND		100	15	ug/L		10/11/24 13:59	10/15/24 21:37	20
Chrysene	ND		100	6.6	ug/L		10/11/24 13:59	10/15/24 21:37	20
Dibenz(a,h)anthracene	ND		100	8.4	ug/L		10/11/24 13:59	10/15/24 21:37	20
Fluoranthene	ND		100	8.0	ug/L		10/11/24 13:59	10/15/24 21:37	20

Client Sample ID: MW-02R
Lab Sample ID: 480-224250-1
Date Collected: 10/10/24 10:00
Matrix: Water
Date Received: 10/11/24 09:30

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	11	J	100	7.2	ug/L		10/11/24 13:59	10/15/24 21:37	20
Indeno[1,2,3-cd]pyrene	ND		100	9.4	ug/L		10/11/24 13:59	10/15/24 21:37	20
Naphthalene	480		100	15	ug/L		10/11/24 13:59	10/15/24 21:37	20
Phenanthrene	11	J	100	8.8	ug/L		10/11/24 13:59	10/15/24 21:37	20
Pyrene	ND		100	6.8	ug/L		10/11/24 13:59	10/15/24 21:37	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*75*		*53 - 126*	*10/11/24 13:59*	*10/15/24 21:37*	*20*
Nitrobenzene-d5 (Surr)	*77*		*29 - 129*	*10/11/24 13:59*	*10/15/24 21:37*	*20*
p-Terphenyl-d14 (Surr)	*73*		*33 - 132*	*10/11/24 13:59*	*10/15/24 21:37*	*20*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.95	B	0.020	0.0082	mg/L			10/15/24 17:47	2

Client Sample ID: MW-03
Lab Sample ID: 480-224250-2
Date Collected: 10/10/24 10:55
Matrix: Water
Date Received: 10/11/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/11/24 18:23	1
Toluene	ND		1.0	0.51	ug/L			10/11/24 18:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/11/24 18:23	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/11/24 18:23	1
o-Xylene	ND		1.0	0.76	ug/L			10/11/24 18:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/11/24 18:23	1
Total BTEX	ND		2.0	1.0	ug/L			10/11/24 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/11/24 18:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/11/24 18:23*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/11/24 18:23*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*10/11/24 18:23*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		10/11/24 13:59	10/14/24 19:09	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/11/24 13:59	10/14/24 19:09	1
Anthracene	ND		5.0	0.28	ug/L		10/11/24 13:59	10/14/24 19:09	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/11/24 13:59	10/14/24 19:09	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/11/24 13:59	10/14/24 19:09	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/11/24 13:59	10/14/24 19:09	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/11/24 13:59	10/14/24 19:09	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/11/24 13:59	10/14/24 19:09	1
Chrysene	ND		5.0	0.33	ug/L		10/11/24 13:59	10/14/24 19:09	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/11/24 13:59	10/14/24 19:09	1
Fluoranthene	ND		5.0	0.40	ug/L		10/11/24 13:59	10/14/24 19:09	1
Fluorene	ND		5.0	0.36	ug/L		10/11/24 13:59	10/14/24 19:09	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/11/24 13:59	10/14/24 19:09	1
Naphthalene	ND		5.0	0.76	ug/L		10/11/24 13:59	10/14/24 19:09	1
Phenanthrene	ND		5.0	0.44	ug/L		10/11/24 13:59	10/14/24 19:09	1

Client Sample ID: MW-03
Lab Sample ID: 480-224250-2
Date Collected: 10/10/24 10:55
Matrix: Water
Date Received: 10/11/24 09:30

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		5.0	0.34	ug/L		10/11/24 13:59	10/14/24 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*77*		*53 - 126*	*10/11/24 13:59*	*10/14/24 19:09*	*1*
Nitrobenzene-d5 (Surr)	*78*		*29 - 129*	*10/11/24 13:59*	*10/14/24 19:09*	*1*
p-Terphenyl-d14 (Surr)	*91*		*33 - 132*	*10/11/24 13:59*	*10/14/24 19:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.0082**	**J B**	0.010	0.0041	mg/L			10/15/24 10:51	1

Client Sample ID: MW-06
Lab Sample ID: 480-224250-3
Date Collected: 10/10/24 10:50
Matrix: Water
Date Received: 10/11/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	F1	1.0	0.41	ug/L			10/11/24 18:48	1
Toluene	ND		1.0	0.51	ug/L			10/11/24 18:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/11/24 18:48	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/11/24 18:48	1
o-Xylene	ND		1.0	0.76	ug/L			10/11/24 18:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/11/24 18:48	1
Total BTEX	ND		2.0	1.0	ug/L			10/11/24 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/11/24 18:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/11/24 18:48*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/11/24 18:48*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*10/11/24 18:48*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		10/11/24 13:59	10/14/24 16:56	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/11/24 13:59	10/14/24 16:56	1
Anthracene	ND		5.0	0.28	ug/L		10/11/24 13:59	10/14/24 16:56	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/11/24 13:59	10/14/24 16:56	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/11/24 13:59	10/14/24 16:56	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/11/24 13:59	10/14/24 16:56	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/11/24 13:59	10/14/24 16:56	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/11/24 13:59	10/14/24 16:56	1
Chrysene	ND		5.0	0.33	ug/L		10/11/24 13:59	10/14/24 16:56	1
Dibenz(a,h)anthracene	ND	F2	5.0	0.42	ug/L		10/11/24 13:59	10/14/24 16:56	1
Fluoranthene	ND		5.0	0.40	ug/L		10/11/24 13:59	10/14/24 16:56	1
Fluorene	ND		5.0	0.36	ug/L		10/11/24 13:59	10/14/24 16:56	1
Indeno[1,2,3-cd]pyrene	ND	F2	5.0	0.47	ug/L		10/11/24 13:59	10/14/24 16:56	1
Naphthalene	ND		5.0	0.76	ug/L		10/11/24 13:59	10/14/24 16:56	1
Phenanthrene	ND		5.0	0.44	ug/L		10/11/24 13:59	10/14/24 16:56	1
Pyrene	ND		5.0	0.34	ug/L		10/11/24 13:59	10/14/24 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*83*		*53 - 126*	*10/11/24 13:59*	*10/14/24 16:56*	*1*

Client Sample ID: MW-06

Lab Sample ID: 480-224250-3

Date Collected: 10/10/24 10:50

Matrix: Water

Date Received: 10/11/24 09:30

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*83*		*29 - 129*	*10/11/24 13:59*	*10/14/24 16:56*	*1*
p-Terphenyl-d14 (Surr)	*93*		*33 - 132*	*10/11/24 13:59*	*10/14/24 16:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.0057**	**J B**	0.010	0.0041	mg/L			10/15/24 10:54	1

Client Sample ID: MW-07

Lab Sample ID: 480-224250-4

Date Collected: 10/10/24 11:45

Matrix: Water

Date Received: 10/11/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.85**	**J**	1.0	0.41	ug/L			10/11/24 19:12	1
Toluene	ND		1.0	0.51	ug/L			10/11/24 19:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/11/24 19:12	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/11/24 19:12	1
o-Xylene	ND		1.0	0.76	ug/L			10/11/24 19:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/11/24 19:12	1
Total BTEX	ND		2.0	1.0	ug/L			10/11/24 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/11/24 19:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*10/11/24 19:12*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/11/24 19:12*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*10/11/24 19:12*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**2.0**	**J**	5.0	0.41	ug/L		10/11/24 13:59	10/14/24 19:35	1
Acenaphthylene	**0.53**	**J**	5.0	0.38	ug/L		10/11/24 13:59	10/14/24 19:35	1
Anthracene	ND		5.0	0.28	ug/L		10/11/24 13:59	10/14/24 19:35	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/11/24 13:59	10/14/24 19:35	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/11/24 13:59	10/14/24 19:35	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/11/24 13:59	10/14/24 19:35	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/11/24 13:59	10/14/24 19:35	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/11/24 13:59	10/14/24 19:35	1
Chrysene	ND		5.0	0.33	ug/L		10/11/24 13:59	10/14/24 19:35	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/11/24 13:59	10/14/24 19:35	1
Fluoranthene	ND		5.0	0.40	ug/L		10/11/24 13:59	10/14/24 19:35	1
Fluorene	**0.76**	**J**	5.0	0.36	ug/L		10/11/24 13:59	10/14/24 19:35	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/11/24 13:59	10/14/24 19:35	1
Naphthalene	ND		5.0	0.76	ug/L		10/11/24 13:59	10/14/24 19:35	1
Phenanthrene	ND		5.0	0.44	ug/L		10/11/24 13:59	10/14/24 19:35	1
Pyrene	ND		5.0	0.34	ug/L		10/11/24 13:59	10/14/24 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*86*		*53 - 126*	*10/11/24 13:59*	*10/14/24 19:35*	*1*
Nitrobenzene-d5 (Surr)	*83*		*29 - 129*	*10/11/24 13:59*	*10/14/24 19:35*	*1*
p-Terphenyl-d14 (Surr)	*95*		*33 - 132*	*10/11/24 13:59*	*10/14/24 19:35*	*1*

Client Sample ID: MW-07
Lab Sample ID: 480-224250-4
Date Collected: 10/10/24 11:45
Matrix: Water
Date Received: 10/11/24 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.23	B	0.010	0.0041	mg/L			10/15/24 11:04	1

Client Sample ID: MW-08R
Lab Sample ID: 480-224250-5
Date Collected: 10/10/24 10:05
Matrix: Water
Date Received: 10/11/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/16/24 17:58	1
Toluene	ND		1.0	0.51	ug/L			10/16/24 17:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/24 17:58	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/16/24 17:58	1
o-Xylene	ND		1.0	0.76	ug/L			10/16/24 17:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/24 17:58	1
Total BTEX	ND		2.0	1.0	ug/L			10/16/24 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/16/24 17:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*10/16/24 17:58*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*10/16/24 17:58*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*10/16/24 17:58*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		10/11/24 13:59	10/14/24 20:02	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/11/24 13:59	10/14/24 20:02	1
Anthracene	ND		5.0	0.28	ug/L		10/11/24 13:59	10/14/24 20:02	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/11/24 13:59	10/14/24 20:02	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/11/24 13:59	10/14/24 20:02	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/11/24 13:59	10/14/24 20:02	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/11/24 13:59	10/14/24 20:02	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/11/24 13:59	10/14/24 20:02	1
Chrysene	ND		5.0	0.33	ug/L		10/11/24 13:59	10/14/24 20:02	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/11/24 13:59	10/14/24 20:02	1
Fluoranthene	ND		5.0	0.40	ug/L		10/11/24 13:59	10/14/24 20:02	1
Fluorene	ND		5.0	0.36	ug/L		10/11/24 13:59	10/14/24 20:02	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/11/24 13:59	10/14/24 20:02	1
Naphthalene	ND		5.0	0.76	ug/L		10/11/24 13:59	10/14/24 20:02	1
Phenanthrene	ND		5.0	0.44	ug/L		10/11/24 13:59	10/14/24 20:02	1
Pyrene	ND		5.0	0.34	ug/L		10/11/24 13:59	10/14/24 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*75*		*53 - 126*	*10/11/24 13:59*	*10/14/24 20:02*	*1*
Nitrobenzene-d5 (Surr)	*72*		*29 - 129*	*10/11/24 13:59*	*10/14/24 20:02*	*1*
p-Terphenyl-d14 (Surr)	*82*		*33 - 132*	*10/11/24 13:59*	*10/14/24 20:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.59	B	0.020	0.0082	mg/L			10/15/24 18:00	2

Client Sample ID: MW-13
Lab Sample ID: 480-224250-6
Date Collected: 10/10/24 11:35
Matrix: Water
Date Received: 10/11/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/11/24 20:01	1
Toluene	ND		1.0	0.51	ug/L			10/11/24 20:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/11/24 20:01	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/11/24 20:01	1
o-Xylene	ND		1.0	0.76	ug/L			10/11/24 20:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/11/24 20:01	1
Total BTEX	ND		2.0	1.0	ug/L			10/11/24 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/11/24 20:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/11/24 20:01*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/11/24 20:01*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*10/11/24 20:01*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		10/11/24 13:59	10/14/24 20:28	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/11/24 13:59	10/14/24 20:28	1
Anthracene	ND		5.0	0.28	ug/L		10/11/24 13:59	10/14/24 20:28	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/11/24 13:59	10/14/24 20:28	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/11/24 13:59	10/14/24 20:28	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/11/24 13:59	10/14/24 20:28	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/11/24 13:59	10/14/24 20:28	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/11/24 13:59	10/14/24 20:28	1
Chrysene	ND		5.0	0.33	ug/L		10/11/24 13:59	10/14/24 20:28	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/11/24 13:59	10/14/24 20:28	1
Fluoranthene	ND		5.0	0.40	ug/L		10/11/24 13:59	10/14/24 20:28	1
Fluorene	ND		5.0	0.36	ug/L		10/11/24 13:59	10/14/24 20:28	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/11/24 13:59	10/14/24 20:28	1
Naphthalene	ND		5.0	0.76	ug/L		10/11/24 13:59	10/14/24 20:28	1
Phenanthrene	ND		5.0	0.44	ug/L		10/11/24 13:59	10/14/24 20:28	1
Pyrene	ND		5.0	0.34	ug/L		10/11/24 13:59	10/14/24 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*83*		*53 - 126*	*10/11/24 13:59*	*10/14/24 20:28*	*1*
Nitrobenzene-d5 (Surr)	*79*		*29 - 129*	*10/11/24 13:59*	*10/14/24 20:28*	*1*
p-Terphenyl-d14 (Surr)	*87*		*33 - 132*	*10/11/24 13:59*	*10/14/24 20:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.0060**	**J B**	0.010	0.0041	mg/L			10/15/24 11:11	1

Client Sample ID: Field Duplicate
Lab Sample ID: 480-224250-7
Date Collected: 10/10/24 12:00
Matrix: Water
Date Received: 10/11/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**400**		10	4.1	ug/L			10/11/24 20:26	10
Toluene	**79**		10	5.1	ug/L			10/11/24 20:26	10
Ethylbenzene	**70**		10	7.4	ug/L			10/11/24 20:26	10
m-Xylene & p-Xylene	**84**		20	6.6	ug/L			10/11/24 20:26	10

Client Sample ID: Field Duplicate
Lab Sample ID: 480-224250-7
Date Collected: 10/10/24 12:00
Matrix: Water
Date Received: 10/11/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	59		10	7.6	ug/L			10/11/24 20:26	10
Xylenes, Total	140		20	6.6	ug/L			10/11/24 20:26	10
Total BTEX	690		20	10	ug/L			10/11/24 20:26	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/11/24 20:26*	*10*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/11/24 20:26*	*10*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*10/11/24 20:26*	*10*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/11/24 20:26*	*10*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	56		5.0	0.41	ug/L		10/11/24 13:59	10/14/24 20:55	1
Acenaphthylene	7.0		5.0	0.38	ug/L		10/11/24 13:59	10/14/24 20:55	1
Anthracene	ND		5.0	0.28	ug/L		10/11/24 13:59	10/14/24 20:55	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/11/24 13:59	10/14/24 20:55	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/11/24 13:59	10/14/24 20:55	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/11/24 13:59	10/14/24 20:55	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/11/24 13:59	10/14/24 20:55	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/11/24 13:59	10/14/24 20:55	1
Chrysene	ND		5.0	0.33	ug/L		10/11/24 13:59	10/14/24 20:55	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/11/24 13:59	10/14/24 20:55	1
Fluoranthene	ND		5.0	0.40	ug/L		10/11/24 13:59	10/14/24 20:55	1
Fluorene	13		5.0	0.36	ug/L		10/11/24 13:59	10/14/24 20:55	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/11/24 13:59	10/14/24 20:55	1
Naphthalene	470	E	5.0	0.76	ug/L		10/11/24 13:59	10/14/24 20:55	1
Phenanthrene	11		5.0	0.44	ug/L		10/11/24 13:59	10/14/24 20:55	1
Pyrene	ND		5.0	0.34	ug/L		10/11/24 13:59	10/14/24 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*80*		*53 - 126*	*10/11/24 13:59*	*10/14/24 20:55*	*1*
Nitrobenzene-d5 (Surr)	*68*		*29 - 129*	*10/11/24 13:59*	*10/14/24 20:55*	*1*
p-Terphenyl-d14 (Surr)	*77*		*33 - 132*	*10/11/24 13:59*	*10/14/24 20:55*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	47	J	100	8.2	ug/L		10/11/24 13:59	10/15/24 22:04	20
Acenaphthylene	ND		100	7.6	ug/L		10/11/24 13:59	10/15/24 22:04	20
Anthracene	ND		100	5.6	ug/L		10/11/24 13:59	10/15/24 22:04	20
Benzo[a]anthracene	ND		100	7.2	ug/L		10/11/24 13:59	10/15/24 22:04	20
Benzo[a]pyrene	ND		100	9.4	ug/L		10/11/24 13:59	10/15/24 22:04	20
Benzo[b]fluoranthene	ND		100	6.8	ug/L		10/11/24 13:59	10/15/24 22:04	20
Benzo[g,h,i]perylene	ND		100	7.0	ug/L		10/11/24 13:59	10/15/24 22:04	20
Benzo[k]fluoranthene	ND		100	15	ug/L		10/11/24 13:59	10/15/24 22:04	20
Chrysene	ND		100	6.6	ug/L		10/11/24 13:59	10/15/24 22:04	20
Dibenz(a,h)anthracene	ND		100	8.4	ug/L		10/11/24 13:59	10/15/24 22:04	20
Fluoranthene	ND		100	8.0	ug/L		10/11/24 13:59	10/15/24 22:04	20
Fluorene	12	J	100	7.2	ug/L		10/11/24 13:59	10/15/24 22:04	20
Indeno[1,2,3-cd]pyrene	ND		100	9.4	ug/L		10/11/24 13:59	10/15/24 22:04	20
Naphthalene	490		100	15	ug/L		10/11/24 13:59	10/15/24 22:04	20
Phenanthrene	12	J	100	8.8	ug/L		10/11/24 13:59	10/15/24 22:04	20

Client Sample ID: Field Duplicate
Lab Sample ID: 480-224250-7
Date Collected: 10/10/24 12:00
Matrix: Water
Date Received: 10/11/24 09:30

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		100	6.8	ug/L		10/11/24 13:59	10/15/24 22:04	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*73*		*53 - 126*	*10/11/24 13:59*	*10/15/24 22:04*	*20*
Nitrobenzene-d5 (Surr)	*71*		*29 - 129*	*10/11/24 13:59*	*10/15/24 22:04*	*20*
p-Terphenyl-d14 (Surr)	*67*		*33 - 132*	*10/11/24 13:59*	*10/15/24 22:04*	*20*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**1.2**	**B**	0.10	0.041	mg/L			10/15/24 18:03	10

Client Sample ID: Trip Blank
Lab Sample ID: 480-224250-8
Date Collected: 10/10/24 00:00
Matrix: Water
Date Received: 10/11/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/11/24 20:50	1
Toluene	ND		1.0	0.51	ug/L			10/11/24 20:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/11/24 20:50	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/11/24 20:50	1
o-Xylene	ND		1.0	0.76	ug/L			10/11/24 20:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/11/24 20:50	1
Total BTEX	ND		2.0	1.0	ug/L			10/11/24 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/11/24 20:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/11/24 20:50*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/11/24 20:50*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*10/11/24 20:50*	*1*

Surrogate Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-224250-1

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

Matrix: Water | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-224250-1	MW-02R	101	104	109	109
480-224250-2	MW-03	101	107	108	108
480-224250-3	MW-06	100	103	105	108
480-224250-3 MS	MW-06	103	109	111	109
480-224250-3 MSD	MW-06	104	107	111	111
480-224250-4	MW-07	100	106	108	110
480-224250-5	MW-08R	102	110	91	105
480-224250-6	MW-13	102	104	108	110
480-224250-7	Field Duplicate	102	102	109	106
480-224250-8	Trip Blank	97	102	102	107
LCS 480-727918/6	Lab Control Sample	105	104	112	107
LCS 480-728177/6	Lab Control Sample	98	105	107	104
LCS 480-728469/7	Lab Control Sample	102	106	92	102
MB 480-727918/8	Method Blank	97	102	99	104
MB 480-728177/8	Method Blank	103	104	110	107
MB 480-728469/9	Method Blank	103	110	92	107

Surrogate Legend

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

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(53-126)	(29-129)	(33-132)
480-224250-1	MW-02R	77	69	82
480-224250-1 - DL	MW-02R	75	77	73
480-224250-2	MW-03	77	78	91
480-224250-3	MW-06	83	83	93
480-224250-3 MS	MW-06	84	82	85
480-224250-3 MSD	MW-06	93	89	95
480-224250-4	MW-07	86	83	95
480-224250-5	MW-08R	75	72	82
480-224250-6	MW-13	83	79	87
480-224250-7	Field Duplicate	80	68	77
480-224250-7 - DL	Field Duplicate	73	71	67
LCS 480-727995/2-A	Lab Control Sample	94	89	110
MB 480-727995/1-A	Method Blank	83	85	107

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

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

Lab Sample ID: MB 480-727918/8
Matrix: Water
Analysis Batch: 727918

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/11/24 12:23	1
Toluene	ND		1.0	0.51	ug/L			10/11/24 12:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/11/24 12:23	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/11/24 12:23	1
o-Xylene	ND		1.0	0.76	ug/L			10/11/24 12:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/11/24 12:23	1
Total BTEX	ND		2.0	1.0	ug/L			10/11/24 12:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/11/24 12:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/11/24 12:23*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/11/24 12:23*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*10/11/24 12:23*	*1*

Lab Sample ID: LCS 480-727918/6
Matrix: Water
Analysis Batch: 727918

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	27.1		ug/L		108	71 - 124
Toluene	25.0	24.4		ug/L		97	80 - 122
Ethylbenzene	25.0	24.7		ug/L		99	77 - 123
m-Xylene & p-Xylene	25.0	24.8		ug/L		99	76 - 122
o-Xylene	25.0	25.1		ug/L		101	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*

Lab Sample ID: 480-224250-3 MS
Matrix: Water
Analysis Batch: 727918

Client Sample ID: MW-06
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND	F1	25.0	31.2	F1	ug/L		125	71 - 124
Toluene	ND		25.0	27.7		ug/L		111	80 - 122
Ethylbenzene	ND		25.0	28.4		ug/L		114	77 - 123
m-Xylene & p-Xylene	ND		25.0	28.2		ug/L		113	76 - 122
o-Xylene	ND		25.0	28.1		ug/L		112	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*
Dibromofluoromethane (Surr)	*109*		*75 - 123*

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

Lab Sample ID: 480-224250-3 MSD **Client Sample ID: MW-06**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 727918

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND	F1	25.0	31.7	F1	ug/L		127	71 - 124	2	13
Toluene	ND		25.0	28.3		ug/L		113	80 - 122	2	15
Ethylbenzene	ND		25.0	28.5		ug/L		114	77 - 123	0	15
m-Xylene & p-Xylene	ND		25.0	28.8		ug/L		115	76 - 122	2	16
o-Xylene	ND		25.0	29.0		ug/L		116	76 - 122	3	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*
Dibromofluoromethane (Surr)	*111*		*75 - 123*

Lab Sample ID: MB 480-728177/8 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 728177

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/14/24 13:04	1
Toluene	ND		1.0	0.51	ug/L			10/14/24 13:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/14/24 13:04	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/14/24 13:04	1
o-Xylene	ND		1.0	0.76	ug/L			10/14/24 13:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/14/24 13:04	1
Total BTEX	ND		2.0	1.0	ug/L			10/14/24 13:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/14/24 13:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/14/24 13:04*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*10/14/24 13:04*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*10/14/24 13:04*	*1*

Lab Sample ID: LCS 480-728177/6 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 728177

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			25.0	27.0		ug/L		108	71 - 124		
Toluene			25.0	24.7		ug/L		99	80 - 122		
Ethylbenzene			25.0	24.9		ug/L		100	77 - 123		
m-Xylene & p-Xylene			25.0	25.1		ug/L		101	76 - 122		
o-Xylene			25.0	24.8		ug/L		99	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*

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

Lab Sample ID: MB 480-728469/9
Matrix: Water
Analysis Batch: 728469

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/16/24 15:27	1
Toluene	ND		1.0	0.51	ug/L			10/16/24 15:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/24 15:27	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/16/24 15:27	1
o-Xylene	ND		1.0	0.76	ug/L			10/16/24 15:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/24 15:27	1
Total BTEX	ND		2.0	1.0	ug/L			10/16/24 15:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/16/24 15:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*10/16/24 15:27*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*10/16/24 15:27*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*10/16/24 15:27*	*1*

Lab Sample ID: LCS 480-728469/7
Matrix: Water
Analysis Batch: 728469

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	23.9		ug/L		96	71 - 124
Toluene	25.0	23.8		ug/L		95	80 - 122
Ethylbenzene	25.0	23.6		ug/L		94	77 - 123
m-Xylene & p-Xylene	25.0	24.8		ug/L		99	76 - 122
o-Xylene	25.0	24.0		ug/L		96	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-727995/1-A
Matrix: Water
Analysis Batch: 728193

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727995

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		10/11/24 13:59	10/14/24 15:08	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/11/24 13:59	10/14/24 15:08	1
Anthracene	ND		5.0	0.28	ug/L		10/11/24 13:59	10/14/24 15:08	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/11/24 13:59	10/14/24 15:08	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/11/24 13:59	10/14/24 15:08	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/11/24 13:59	10/14/24 15:08	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/11/24 13:59	10/14/24 15:08	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/11/24 13:59	10/14/24 15:08	1
Chrysene	ND		5.0	0.33	ug/L		10/11/24 13:59	10/14/24 15:08	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/11/24 13:59	10/14/24 15:08	1
Fluoranthene	ND		5.0	0.40	ug/L		10/11/24 13:59	10/14/24 15:08	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-727995/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 728193 **Prep Batch: 727995**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		5.0	0.36	ug/L		10/11/24 13:59	10/14/24 15:08	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/11/24 13:59	10/14/24 15:08	1
Naphthalene	ND		5.0	0.76	ug/L		10/11/24 13:59	10/14/24 15:08	1
Phenanthrene	ND		5.0	0.44	ug/L		10/11/24 13:59	10/14/24 15:08	1
Pyrene	ND		5.0	0.34	ug/L		10/11/24 13:59	10/14/24 15:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*83*		*53 - 126*	*10/11/24 13:59*	*10/14/24 15:08*	*1*
Nitrobenzene-d5 (Surr)	*85*		*29 - 129*	*10/11/24 13:59*	*10/14/24 15:08*	*1*
p-Terphenyl-d14 (Surr)	*107*		*33 - 132*	*10/11/24 13:59*	*10/14/24 15:08*	*1*

Lab Sample ID: LCS 480-727995/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 728193 **Prep Batch: 727995**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	32.0	31.6		ug/L		99	60 - 120
Acenaphthylene	32.0	32.9		ug/L		103	63 - 120
Anthracene	32.0	34.0		ug/L		106	67 - 120
Benzo[a]anthracene	32.0	37.2		ug/L		116	70 - 121
Benzo[a]pyrene	32.0	35.2		ug/L		110	60 - 123
Benzo[b]fluoranthene	32.0	35.4		ug/L		111	66 - 126
Benzo[g,h,i]perylene	32.0	35.3		ug/L		110	66 - 150
Benzo[k]fluoranthene	32.0	39.7		ug/L		124	65 - 124
Chrysene	32.0	36.6		ug/L		114	69 - 120
Dibenz(a,h)anthracene	32.0	36.1		ug/L		113	65 - 135
Fluoranthene	32.0	36.1		ug/L		113	69 - 126
Fluorene	32.0	33.9		ug/L		106	66 - 120
Indeno[1,2,3-cd]pyrene	32.0	35.9		ug/L		112	69 - 146
Naphthalene	32.0	27.0		ug/L		84	57 - 120
Phenanthrene	32.0	33.9		ug/L		106	68 - 120
Pyrene	32.0	36.5		ug/L		114	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*94*		*53 - 126*
Nitrobenzene-d5 (Surr)	*89*		*29 - 129*
p-Terphenyl-d14 (Surr)	*110*		*33 - 132*

Lab Sample ID: 480-224250-3 MS **Client Sample ID: MW-06**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 728193 **Prep Batch: 727995**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		32.0	27.7		ug/L		87	48 - 120
Acenaphthylene	ND		32.0	29.1		ug/L		91	63 - 120
Anthracene	ND		32.0	32.6		ug/L		102	65 - 122
Benzo[a]anthracene	ND		32.0	32.7		ug/L		102	43 - 124
Benzo[a]pyrene	ND		32.0	29.5		ug/L		92	23 - 125
Benzo[b]fluoranthene	ND		32.0	30.9		ug/L		96	27 - 127

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-224250-3 MS **Client Sample ID: MW-06**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 728193 **Prep Batch: 727995**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[g,h,i]perylene	ND		32.0	28.2		ug/L		88	16 - 147
Benzo[k]fluoranthene	ND		32.0	31.1		ug/L		97	20 - 124
Chrysene	ND		32.0	30.6		ug/L		96	44 - 122
Dibenz(a,h)anthracene	ND	F2	32.0	28.4		ug/L		89	16 - 139
Fluoranthene	ND		32.0	32.5		ug/L		102	63 - 129
Fluorene	ND		32.0	29.1		ug/L		91	62 - 120
Indeno[1,2,3-cd]pyrene	ND	F2	32.0	28.7		ug/L		90	16 - 140
Naphthalene	ND		32.0	25.3		ug/L		79	45 - 120
Phenanthrene	ND		32.0	31.8		ug/L		99	65 - 122
Pyrene	ND		32.0	32.1		ug/L		100	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*84*		*53 - 126*
Nitrobenzene-d5 (Surr)	*82*		*29 - 129*
p-Terphenyl-d14 (Surr)	*85*		*33 - 132*

Lab Sample ID: 480-224250-3 MSD **Client Sample ID: MW-06**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 728193 **Prep Batch: 727995**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		32.0	31.4		ug/L		98	48 - 120	12	24
Acenaphthylene	ND		32.0	32.5		ug/L		101	63 - 120	11	18
Anthracene	ND		32.0	35.6		ug/L		111	65 - 122	9	15
Benzo[a]anthracene	ND		32.0	37.3		ug/L		117	43 - 124	13	15
Benzo[a]pyrene	ND		32.0	34.1		ug/L		106	23 - 125	14	15
Benzo[b]fluoranthene	ND		32.0	34.3		ug/L		107	27 - 127	11	15
Benzo[g,h,i]perylene	ND		32.0	32.8		ug/L		102	16 - 147	15	15
Benzo[k]fluoranthene	ND		32.0	37.2		ug/L		116	20 - 124	18	22
Chrysene	ND		32.0	34.5		ug/L		108	44 - 122	12	15
Dibenz(a,h)anthracene	ND	F2	32.0	34.1	F2	ug/L		107	16 - 139	18	15
Fluoranthene	ND		32.0	35.8		ug/L		112	63 - 129	10	15
Fluorene	ND		32.0	32.8		ug/L		102	62 - 120	12	15
Indeno[1,2,3-cd]pyrene	ND	F2	32.0	33.7	F2	ug/L		105	16 - 140	16	15
Naphthalene	ND		32.0	27.7		ug/L		86	45 - 120	9	29
Phenanthrene	ND		32.0	35.1		ug/L		110	65 - 122	10	15
Pyrene	ND		32.0	35.8		ug/L		112	58 - 128	11	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*93*		*53 - 126*
Nitrobenzene-d5 (Surr)	*89*		*29 - 129*
p-Terphenyl-d14 (Surr)	*95*		*33 - 132*

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-728439/158
Matrix: Water
Analysis Batch: 728439
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.00550	J	0.010	0.0041	mg/L			10/15/24 17:41	1

Lab Sample ID: MB 480-728439/47
Matrix: Water
Analysis Batch: 728439
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.00620	J	0.010	0.0041	mg/L			10/15/24 11:27	1

Lab Sample ID: HLCS 480-728439/22
Matrix: Water
Analysis Batch: 728439
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.413		mg/L		103	90 - 110

Lab Sample ID: LCS 480-728439/159
Matrix: Water
Analysis Batch: 728439
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.247		mg/L		99	90 - 110

Lab Sample ID: LCS 480-728439/23
Matrix: Water
Analysis Batch: 728439
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.251		mg/L		100	90 - 110

Lab Sample ID: 480-224250-1 MS
Matrix: Water
Analysis Batch: 728439
Client Sample ID: MW-02R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.95	B	0.200	1.22	4	mg/L		135	90 - 110

Lab Sample ID: 480-224250-3 MS
Matrix: Water
Analysis Batch: 728439
Client Sample ID: MW-06
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0057	J B	0.100	0.104		mg/L		98	90 - 110

Lab Sample ID: 480-224250-3 MSD
Matrix: Water
Analysis Batch: 728439
Client Sample ID: MW-06
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.0057	J B	0.100	0.104		mg/L		98	90 - 110	0	15

Method: 9012B - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: 480-224250-1 DU **Client Sample ID: MW-02R**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 728439

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cyanide, Total	0.95	B		1.05		mg/L				10	15

GC/MS VOA

Analysis Batch: 727918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224250-2	MW-03	Total/NA	Water	8260C	
480-224250-3	MW-06	Total/NA	Water	8260C	
480-224250-4	MW-07	Total/NA	Water	8260C	
480-224250-6	MW-13	Total/NA	Water	8260C	
480-224250-7	Field Duplicate	Total/NA	Water	8260C	
480-224250-8	Trip Blank	Total/NA	Water	8260C	
MB 480-727918/8	Method Blank	Total/NA	Water	8260C	
LCS 480-727918/6	Lab Control Sample	Total/NA	Water	8260C	
480-224250-3 MS	MW-06	Total/NA	Water	8260C	
480-224250-3 MSD	MW-06	Total/NA	Water	8260C	

Analysis Batch: 728177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224250-1	MW-02R	Total/NA	Water	8260C	
MB 480-728177/8	Method Blank	Total/NA	Water	8260C	
LCS 480-728177/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 728469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224250-5	MW-08R	Total/NA	Water	8260C	
MB 480-728469/9	Method Blank	Total/NA	Water	8260C	
LCS 480-728469/7	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 727995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224250-1	MW-02R	Total/NA	Water	3510C	
480-224250-1 - DL	MW-02R	Total/NA	Water	3510C	
480-224250-2	MW-03	Total/NA	Water	3510C	
480-224250-3	MW-06	Total/NA	Water	3510C	
480-224250-4	MW-07	Total/NA	Water	3510C	
480-224250-5	MW-08R	Total/NA	Water	3510C	
480-224250-6	MW-13	Total/NA	Water	3510C	
480-224250-7	Field Duplicate	Total/NA	Water	3510C	
480-224250-7 - DL	Field Duplicate	Total/NA	Water	3510C	
MB 480-727995/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-727995/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-224250-3 MS	MW-06	Total/NA	Water	3510C	
480-224250-3 MSD	MW-06	Total/NA	Water	3510C	

Analysis Batch: 728193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224250-1	MW-02R	Total/NA	Water	8270D	727995
480-224250-2	MW-03	Total/NA	Water	8270D	727995
480-224250-3	MW-06	Total/NA	Water	8270D	727995
480-224250-4	MW-07	Total/NA	Water	8270D	727995
480-224250-5	MW-08R	Total/NA	Water	8270D	727995
480-224250-6	MW-13	Total/NA	Water	8270D	727995
480-224250-7	Field Duplicate	Total/NA	Water	8270D	727995
MB 480-727995/1-A	Method Blank	Total/NA	Water	8270D	727995
LCS 480-727995/2-A	Lab Control Sample	Total/NA	Water	8270D	727995

GC/MS Semi VOA (Continued)

Analysis Batch: 728193 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224250-3 MS	MW-06	Total/NA	Water	8270D	727995
480-224250-3 MSD	MW-06	Total/NA	Water	8270D	727995

Analysis Batch: 728261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224250-1 - DL	MW-02R	Total/NA	Water	8270D	727995
480-224250-7 - DL	Field Duplicate	Total/NA	Water	8270D	727995

General Chemistry

Analysis Batch: 728439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224250-1	MW-02R	Total/NA	Water	9012B	
480-224250-2	MW-03	Total/NA	Water	9012B	
480-224250-3	MW-06	Total/NA	Water	9012B	
480-224250-4	MW-07	Total/NA	Water	9012B	
480-224250-5	MW-08R	Total/NA	Water	9012B	
480-224250-6	MW-13	Total/NA	Water	9012B	
480-224250-7	Field Duplicate	Total/NA	Water	9012B	
MB 480-728439/158	Method Blank	Total/NA	Water	9012B	
MB 480-728439/47	Method Blank	Total/NA	Water	9012B	
HLCS 480-728439/22	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-728439/159	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-728439/23	Lab Control Sample	Total/NA	Water	9012B	
480-224250-1 MS	MW-02R	Total/NA	Water	9012B	
480-224250-3 MS	MW-06	Total/NA	Water	9012B	
480-224250-3 MSD	MW-06	Total/NA	Water	9012B	
480-224250-1 DU	MW-02R	Total/NA	Water	9012B	

Lab Chronicle

Client Sample ID: MW-02R
Lab Sample ID: 480-224250-1
Date Collected: 10/10/24 10:00
Matrix: Water
Date Received: 10/11/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	728177	ERS	EET BUF	10/14/24 16:49
Total/NA	Prep	3510C			727995	LSC	EET BUF	10/11/24 13:59
Total/NA	Analysis	8270D		1	728193	RJS	EET BUF	10/14/24 18:42
Total/NA	Prep	3510C	DL		727995	LSC	EET BUF	10/11/24 13:59
Total/NA	Analysis	8270D	DL	20	728261	RJS	EET BUF	10/15/24 21:37
Total/NA	Analysis	9012B		2	728439	CLT	EET BUF	10/15/24 17:47

Client Sample ID: MW-03
Lab Sample ID: 480-224250-2
Date Collected: 10/10/24 10:55
Matrix: Water
Date Received: 10/11/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	727918	ERS	EET BUF	10/11/24 18:23
Total/NA	Prep	3510C			727995	LSC	EET BUF	10/11/24 13:59
Total/NA	Analysis	8270D		1	728193	RJS	EET BUF	10/14/24 19:09
Total/NA	Analysis	9012B		1	728439	CLT	EET BUF	10/15/24 10:51

Client Sample ID: MW-06
Lab Sample ID: 480-224250-3
Date Collected: 10/10/24 10:50
Matrix: Water
Date Received: 10/11/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	727918	ERS	EET BUF	10/11/24 18:48
Total/NA	Prep	3510C			727995	LSC	EET BUF	10/11/24 13:59
Total/NA	Analysis	8270D		1	728193	RJS	EET BUF	10/14/24 16:56
Total/NA	Analysis	9012B		1	728439	CLT	EET BUF	10/15/24 10:54

Client Sample ID: MW-07
Lab Sample ID: 480-224250-4
Date Collected: 10/10/24 11:45
Matrix: Water
Date Received: 10/11/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	727918	ERS	EET BUF	10/11/24 19:12
Total/NA	Prep	3510C			727995	LSC	EET BUF	10/11/24 13:59
Total/NA	Analysis	8270D		1	728193	RJS	EET BUF	10/14/24 19:35
Total/NA	Analysis	9012B		1	728439	CLT	EET BUF	10/15/24 11:04

Client Sample ID: MW-08R
Lab Sample ID: 480-224250-5
Date Collected: 10/10/24 10:05
Matrix: Water
Date Received: 10/11/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	728469	AD	EET BUF	10/16/24 17:58
Total/NA	Prep	3510C			727995	LSC	EET BUF	10/11/24 13:59
Total/NA	Analysis	8270D		1	728193	RJS	EET BUF	10/14/24 20:02
Total/NA	Analysis	9012B		2	728439	CLT	EET BUF	10/15/24 18:00

Lab Chronicle

Client Sample ID: MW-13
Lab Sample ID: 480-224250-6

Date Collected: 10/10/24 11:35
Matrix: Water
Date Received: 10/11/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	727918	ERS	EET BUF	10/11/24 20:01
Total/NA	Prep	3510C			727995	LSC	EET BUF	10/11/24 13:59
Total/NA	Analysis	8270D		1	728193	RJS	EET BUF	10/14/24 20:28
Total/NA	Analysis	9012B		1	728439	CLT	EET BUF	10/15/24 11:11

Client Sample ID: Field Duplicate
Lab Sample ID: 480-224250-7

Date Collected: 10/10/24 12:00
Matrix: Water
Date Received: 10/11/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	727918	ERS	EET BUF	10/11/24 20:26
Total/NA	Prep	3510C			727995	LSC	EET BUF	10/11/24 13:59
Total/NA	Analysis	8270D		1	728193	RJS	EET BUF	10/14/24 20:55
Total/NA	Prep	3510C	DL		727995	LSC	EET BUF	10/11/24 13:59
Total/NA	Analysis	8270D	DL	20	728261	RJS	EET BUF	10/15/24 22:04
Total/NA	Analysis	9012B		10	728439	CLT	EET BUF	10/15/24 18:03

Client Sample ID: Trip Blank
Lab Sample ID: 480-224250-8

Date Collected: 10/10/24 00:00
Matrix: Water
Date Received: 10/11/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	727918	ERS	EET BUF	10/11/24 20:50

Laboratory References:

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

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-224250-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Total BTEX

Method Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-224250-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
9012B	Cyanide, Total and/or Amenable	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	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: Groundwater & Environmental Services Inc
Job ID: 480-224250-1
Project/Site:

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-224250-1	MW-02R	Water	10/10/24 10:00	10/11/24 09:30
480-224250-2	MW-03	Water	10/10/24 10:55	10/11/24 09:30
480-224250-3	MW-06	Water	10/10/24 10:50	10/11/24 09:30
480-224250-4	MW-07	Water	10/10/24 11:45	10/11/24 09:30
480-224250-5	MW-08R	Water	10/10/24 10:05	10/11/24 09:30
480-224250-6	MW-13	Water	10/10/24 11:35	10/11/24 09:30
480-224250-7	Field Duplicate	Water	10/10/24 12:00	10/11/24 09:30
480-224250-8	Trip Blank	Water	10/10/24 00:00	10/11/24 09:30

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

Chain of Custody Record

eurofins | Environment Testing

Syracuse #225

Client Information	Sampler:	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-192872-40371.1
Client Contact: Tim Beaumont	Phone:	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Groundwater & Environmental Services Inc	PWSID:			Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			
City: East Syracuse	TAT Requested (days): Standard			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0603400-133570-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Ilion Semi-Annual GWS Event Desc: Ilion Semi-Annual GW	Project #: 48027231			
Site: Ilion Semi-Annual GWS	SSOW#:			

Analysis Requested

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)	9012B_NP - Cyanide, Total	8270D - PAH Semivolatiles	8260C - BTEX - 8260	Total Number of containers
			Preservation Code:				B	N	A	
MW-02R	10/10/24	1000	G	Water			1	2	3	6
MW-03		1055	G	Water			1	2	3	6
MW-06		1050	G	Water			1	2	3	6
MW-06-MS		1050	G	Water			1	2	3	6
MW-06-MSD		1050	G	Water			1	2	3	6
MW-07		1145	G	Water			1	2	3	6
MW-08R		1005	G	Water			1	2	3	6
MW-13		1135	G	Water			1	2	3	6
Field Duplicate		1200	G	Water			1	2	3	6
Trip Blank				Water					2	

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:

Special Instructions/Note:

480-224250 Chain of Custody

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if sar

☐ Return To Client ☐ Disposal By Lab

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: GES	Date/Time: 10/10/24 1535	Company	Received by:	Date/Time: 10/10/24 1535	Company
Relinquished by:	Date/Time: 10/10/24 1900	Company	Received by:	Date/Time: 10/11/24 0930	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 2.8 IR#SC

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-224250-1

Login Number: 224250
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.8 ICE IR# SC
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	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	