

December 20, 2022

Mr. Scott Deyette
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation, BURC
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. Deyette:

Enclosed for your review is the Annual Groundwater Monitoring Report for the NG Ilion Former MGP Site, for 2022.

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 2022 (January, April, July, and October). The site is generally in good shape and in compliance. There were detections in several of the wells during the April and October 2022 sampling events that exceeded the regulatory criteria.

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 2022

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:
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GES Project:
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Date:
December 20, 2022



Devin T. Shay, PG
Program Manager / Principal Hydrogeologist





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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 2022, and October 2022 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 28, 2022, and October 26, 2022 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, W-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 Figures 3 and 5.



Groundwater generally flows to the north from the Site toward the Mohawk River. Groundwater elevations ranged from 385.96 feet above sea level (asl; well MW-03) to 387.31 feet asl (well MW-06). 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 28, 2022, and October 26, 2022 (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 Pace Analytical 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 Figures 4, and 6. The Data Usability Summary Report (DUSR) is included in Appendix C.

There were BTEX and/or PAH detections in all the monitoring wells sampled in April 2022 and October 2022, with the exception of MW-03 during both events, and MW-06, MW-08R, and MW-13 during the April 2022 event. In April 2022, BTEX and acenaphthene were detected above the regulatory criteria in one or more samples. Cyanide was detected in MW-02R, MW-07, and MW-08R in April 2022. In October 2022, BTEX, acenaphthene, and naphthalene were detected above the regulatory criteria in one or more samples. Cyanide was detected in MW-02R, MW-07, and MW-08R during the October 2022 sampling event.



3 Quarterly Site-Wide Inspections

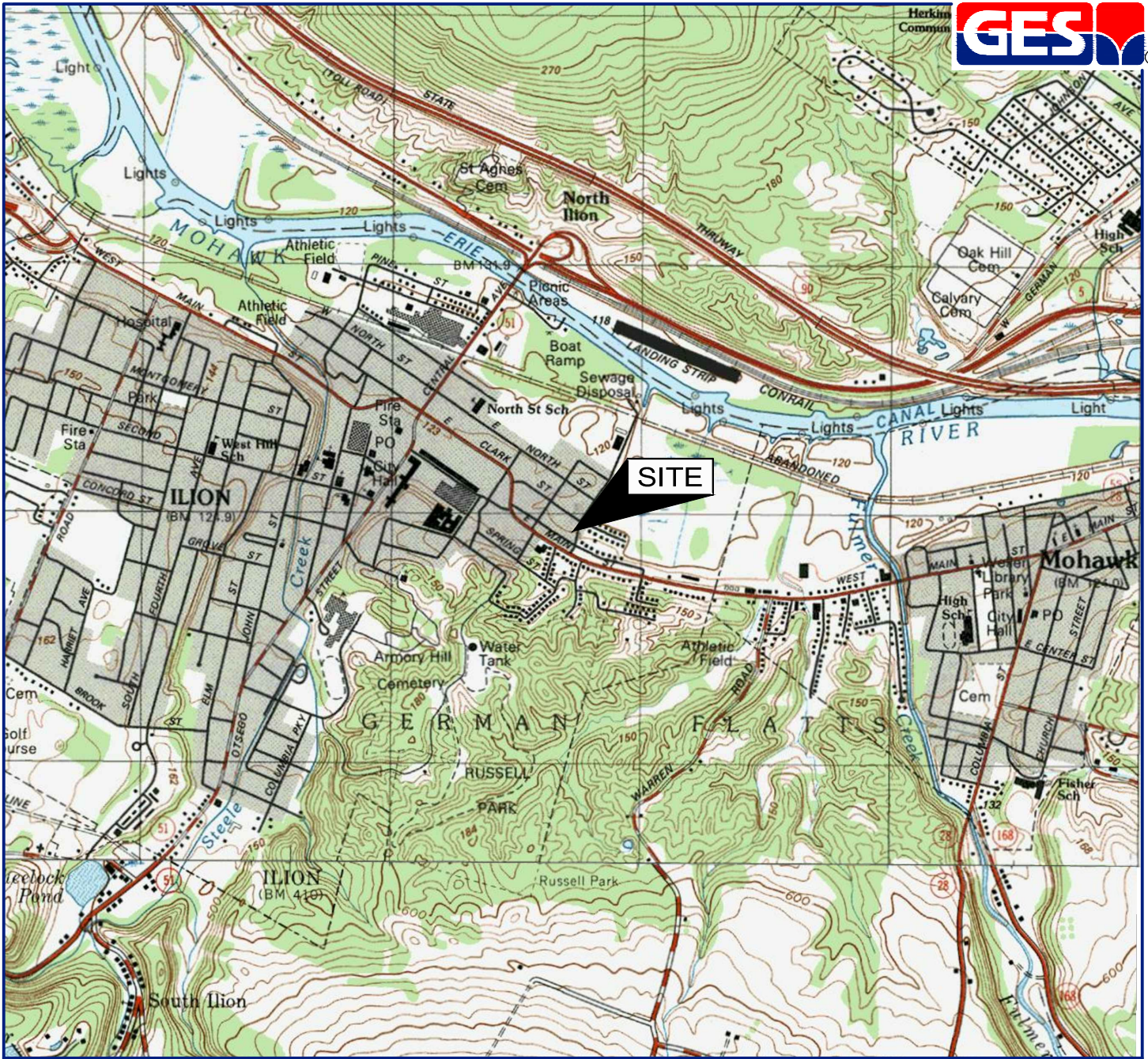
The quarterly site-wide inspections were completed on January 13, April 28, July 14, and October 26, 2022. The Site Inspection Forms are presented in Appendix A. In general, the Site is in compliance.

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 2023. 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:		
REVIEWED BY:		
NORTH 	NATIONAL GRID 1 EAST AVENUE AND STATE STREET ILION, NEW YORK	
	Groundwater & Environmental Services, Inc. 5 TECHNOLOGY PLACE, SUITE 4, EAST SYRACUSE, NY 13057	
SCALE IN FEET 	DATE 11-28-16	FIGURE 1

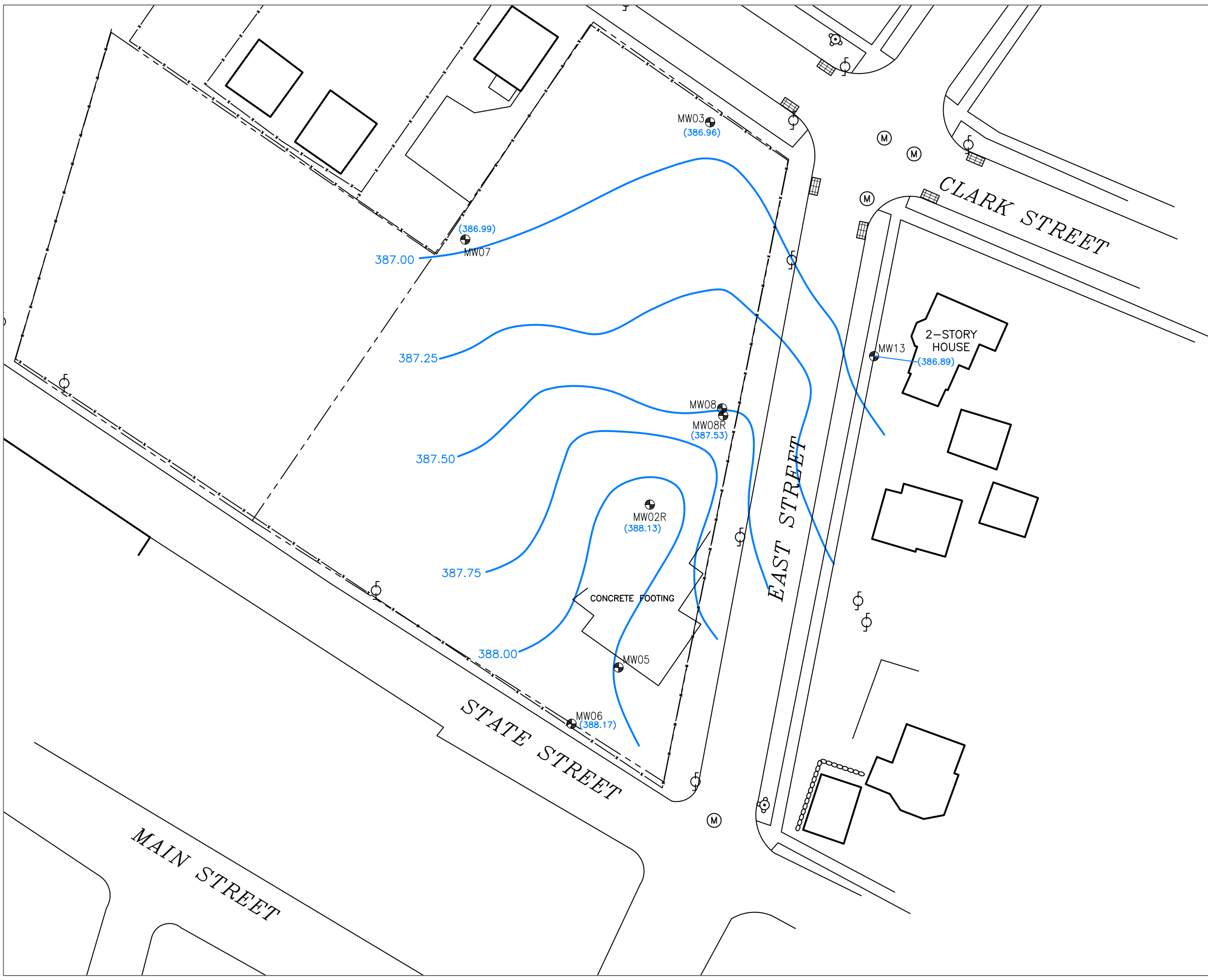
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- LEGEND**
- PROPERTY BOUNDARY
 - x- FENCE
 - o-o-o-o-o STONE RETAINING WALL
 - [grid] CATCH BASIN
 - (M) UTILITY MANHOLE
 - ⊕ FIRE HYDRANT
 - ⊕ UTILITY POLE
 - ⊕ MONITORING WELL

Site Map	
National Grid 1 East Avenue & State Street Illion, New York	
Drawn W.G.S. Designed Approved	Date 2/16/22 Figure 2
 Scale In Feet 	
 <small>Groundwater & Environmental Services, Inc.</small>	

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- LEGEND**
- PROPERTY BOUNDARY
 - x- FENCE
 - o-o-o-o-o STONE RETAINING WALL
 - [] CATCH BASIN
 - (M) UTILITY MANHOLE
 - ⊕ FIRE HYDRANT
 - ⊕ UTILITY POLE
 - ⊕ MONITORING WELL
 - (386.96) GROUNDWATER ELEVATION (feet)
 - ~ GROUNDWATER CONTOUR (feet)

Groundwater Contour Map April 28, 2022	
National Grid 1 East Avenue & State Street Ilion, New York	
Drawn J.D.B. Designed Approved	Date 12/18/22 Figure 3
 Scale In Feet   Groundwater & Environmental Services, Inc.	

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LEGEND

- PROPERTY BOUNDARY
- x- FENCE
- o-o-o-o-o STONE RETAINING WALL
- [] CATCH BASIN
- (M) UTILITY MANHOLE
- ⊕ FIRE HYDRANT
- ⊕ UTILITY POLE
- ⊕ MONITORING WELL

Well ID	Groundwater Elevation (feet)	BTEX Concentration (ug/L)	TOTAL PAHs Concentration (ug/L)	Cyanide Concentration (ug/L)
MW02R	388.13	7.7	2	720

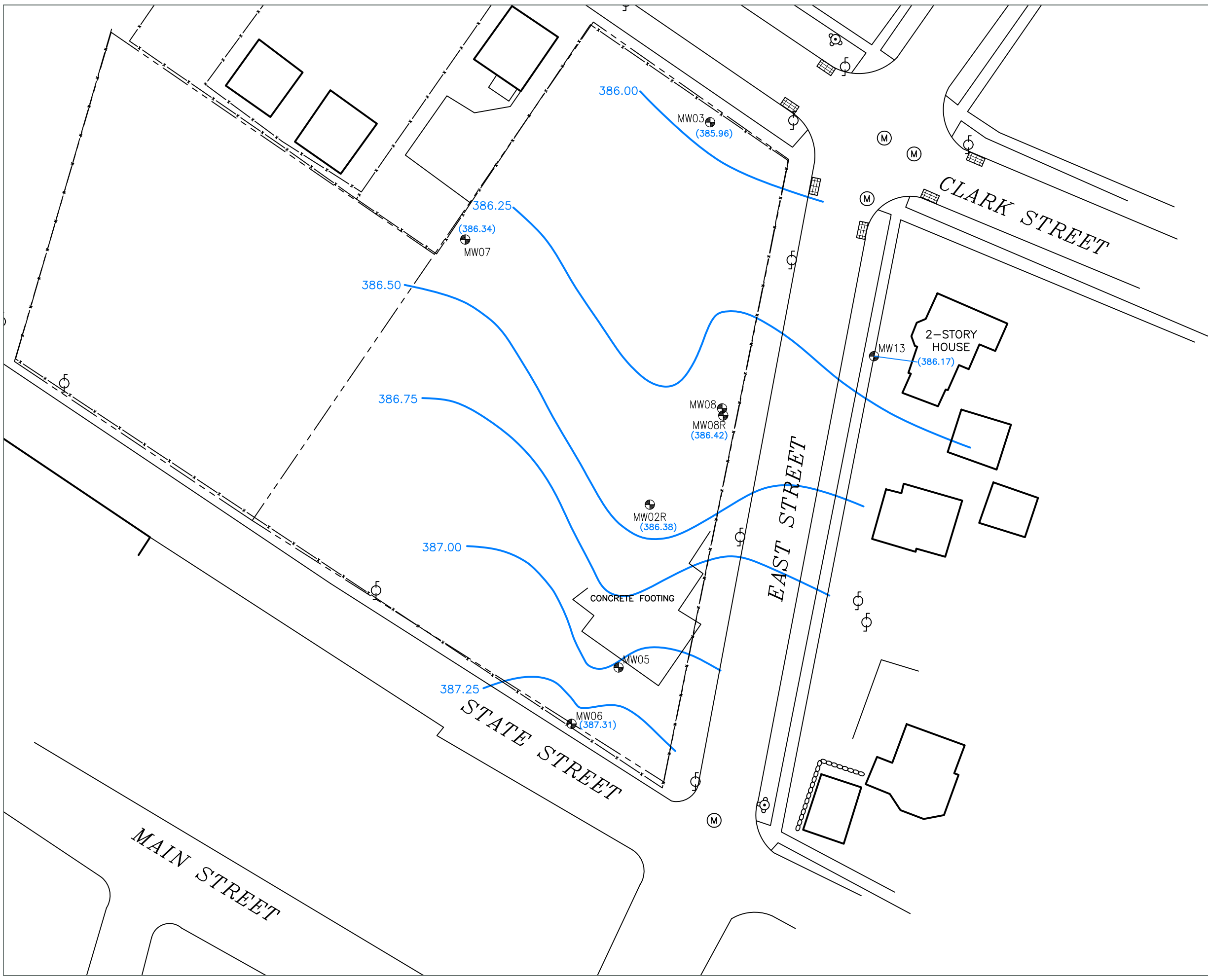
ug/L MICROGRAMS PER LITER
 BTEX BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
 PAHs POLYCYCLIC AROMATIC HYDROCARBONS
 ND NOT DETECTED

Groundwater Monitoring Map
April 28, 2022

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

Drawn J.D.B. Designed	 Scale In Feet 	Date 12/18/22 Figure 4
Approved	 <small>Groundwater & Environmental Services, Inc.</small>	

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- LEGEND**
- PROPERTY BOUNDARY
 - x- FENCE
 - o-o-o-o-o STONE RETAINING WALL
 - [] CATCH BASIN
 - (M) UTILITY MANHOLE
 - ⊕ FIRE HYDRANT
 - ⊕ UTILITY POLE
 - ⊕ MONITORING WELL
 - (387.31) GROUNDWATER ELEVATION (feet)
 - ~ GROUNDWATER CONTOUR (feet)

Groundwater Contour Map October 26, 2022	
National Grid 1 East Avenue & State Street Ilion, New York	
Drawn J.D.B. Designed	Date 12/18/22 Figure 5
Approved	 Scale In Feet 
 Groundwater & Environmental Services, Inc.	

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LEGEND

- PROPERTY BOUNDARY
- x- FENCE
- o-o-o-o-o STONE RETAINING WALL
- ▒ CATCH BASIN
- (M) UTILITY MANHOLE
- ⊗ FIRE HYDRANT
- ⊕ UTILITY POLE
- ⊙ MONITORING WELL

MW02R	WELL IDENTIFICATION
386.38	GROUNDWATER ELEVATION (feet)
1,233	BTEX CONCENTRATION (ug/L)
691.31	TOTAL PAHs CONCENTRATION (ug/L)
640	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 26, 2022

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

Drawn J.D.B.	 Scale In Feet   <small>Groundwater & Environmental Services, Inc.</small>	Date 12/18/22
Designed		Figure 6
Approved		



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 (10/25/19)	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)
MW-02R	10.30	388.13	12.05	386.38
MW-03	4.48	386.96	5.48	385.96
MW-06	16.04	388.17	16.90	387.31
MW-07	7.55	386.99	8.20	386.34
MW-08R	8.47	387.53	9.58	386.42
MW-13	5.31	386.89	6.03	386.17



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
BTEX Compounds										
Benzene	µg/L	1	1.3	186	551	632	708	819	1.7	668
Ethylbenzene	µg/L	5	ND (<1.0)	32.8	81.1	103	125	150	1.2	123
Xylenes, Total	µg/L	5	ND (<1.0)	48.8	162	253	288	151	1.1	140
Toluene	µg/L	5	ND (<1.0)	9.1	42.7	43.7	76.6	344	3.7	302
PAHs										
Acenaphthene	µg/L	20	2.4	24.3	20.4	38.3	61.6	57.3	1.2	66.1
Acenaphthylene	µg/L	NC	1.5	7.5	10.3	19.4	33.7	9.9	0.31	28.1
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
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)
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)
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)
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)
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)
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)
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)
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)
Fluorene	µg/L	50	1.08	4.0	4.4	9.0	14.1	14.0	ND (<0.10)	14.2
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)
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
Naphthalene	µg/L	10	0.285	133	257	515	1,140	ND (<0.096)	ND (<0.10)	570
Phenanthrene	µg/L	50	0.554	0.94	2.7	6.7	10.6	0.68	ND (<0.10)	10.0
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)
Cyanide										
Cyanide	µg/L	200	150 J	1,600	3,900	4,100	1,900	570	720	640

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
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
Cyanide										
Cyanide	µg/L	200	10 J	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<10)

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
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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
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)
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)
Cyanide										
Cyanide	µg/L	200	10 J	ND (<10)	ND (<10)	ND (<10)	150	ND (<10)	ND (<10)	ND (<10)

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
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)
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)
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)
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)
PAHs										
Acenaphthene	µg/L	20	ND (<0.10)	ND (<0.099)	0.11	0.78	0.11	0.44	0.24	0.87
Acenaphthylene	µg/L	NC	0.498	0.16	ND (<0.11)	1.7	0.18	0.25	ND (<0.10)	0.26
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)
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)
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)
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)
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)
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)
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)
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)
Fluoranthene	µg/L	50	ND (<0.10)	0.10	0.22	0.14	0.96	0.12	ND (<0.10)	0.20
Fluorene	µg/L	50	ND (<0.10)	ND (<0.099)	ND (<0.11)	0.18	0.15	0.18	ND (<0.10)	0.21
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)
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)
Naphthalene	µg/L	10	3.23	ND (<0.099)	0.47	29.7	0.33	ND (<0.098)	ND (<0.10)	ND (<0.11)
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)
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
Cyanide										
Cyanide	µg/L	200	290 J	ND (<10)	2,300	1,800	740	200	240	240

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-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
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)
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)
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)
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)
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)
Acenaphthylene	µg/L	NC	9.24	7.8	0.79	2.9	ND (<0.11)	ND (<0.099)	ND (<0.099)	ND (<0.11)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
Naphthalene	µg/L	10	0.845	0.14	1.0	0.4	ND (<0.11)	ND (<0.099)	ND (<0.099)	0.13
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)
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)
Cyanide										
Cyanide	µg/L	200	430 J	1,200	890	560	170	250	660	520

- 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
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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
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)
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)
Cyanide										
Cyanide	µg/L	200	10 J	ND (<10)	ND (<10)	ND (<10)	46.0	ND (<10)	ND (<10)	ND (<10)

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: 10/26/2022

Technician: KL

Time: 9:00

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 inconsistent 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: 7/14/2022

Technician: KL

Time: 9:00

Weather: Sunny 74

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 inconsistent 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: 4/28/2022

Technician: PL

Time: 14:20

Weather: Sunny 44

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: cleaned up litter

Is the site being used in a manner inconsistent 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: 1/13/2022

Technician: KL

Time: 10:00

Weather: Snow 29

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: winter
Evidence of Vandalism	YES		NO	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS:

Is the site being used in a manner inconsistent 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:



Ilion – Site Conditions on January 13, 2022



Appendix B – Well Sampling Field Data

Well ID	Sample?	Well Size	DTW	DTP	DTB	Comments
MW-02R	Yes	2"	10.30	—	18.30	Field Duplicate
MW-03	Yes	2"	4.48	—	27.25	
MW-06	Yes	2"	16.04	—	28.60	MS/MSD
MW-07	Yes	2"	7.55	—	16.87	
MW-08R	Yes	2"	8.47	—	20.20	
MW-13	Yes	2"	5.31	—	23.82	

DTW -depth to water

DTP -depth to product

DTB -depth to bottom

Sampling Personnel: G. Ernst
 Job Number: 0603275-133570-221
 Well Id. MW-02R

Date: 4/28/22
 Weather: clear 40's Breezy
 Time In: 1200 Time Out: 1255

Well Information		TOC	Other
Depth to Water:	(feet)	<u>10.30</u>	
Depth to Bottom:	(feet)	<u>18.30</u>	
Depth to Product:	(feet)	<u>-</u>	
Length of Water Column:	(feet)	<u>8.00</u>	
Volume of Water in Well:	(gal)	<u>1.28</u>	
Three Well Volumes:	(gal)	<u>3.84</u>	

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

Purging Information		Conversion Factors				
Purging Method:	Bailer <input type="checkbox"/> Peristaltic <input checked="" type="checkbox"/>	gal./ft.	1" ID	2" ID	4" ID	6" ID
Tubing/Bailer Material:	Teflon <input type="checkbox"/> Stainless St. <input type="checkbox"/>	of				
Sampling Method:	Bailer <input type="checkbox"/> Peristaltic <input checked="" type="checkbox"/>	water	0.04	0.16	0.66	1.47
Average Pumping Rate:	(ml/min) <u>200</u>	1 gallon=3.785L=3785mL=1337cu. feet				
Duration of Pumping:	(min) <u>30</u>					
Total Volume Removed:	(gal) <u>~1.5</u>					
Horiba U-52 Water Quality Meter Used?		Did well go dry? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
<u>1210</u>	<u>10.43</u>	<u>11.31</u>	<u>7.46</u>	<u>-80</u>	<u>1.10</u>	<u>500</u>	<u>5.92</u>	<u>0.703</u>
<u>1215</u>	<u>10.66</u>	<u>10.45</u>	<u>6.87</u>	<u>-63</u>	<u>1.10</u>	<u>27.9</u>	<u>3.15</u>	<u>0.703</u>
<u>1220</u>	<u>10.82</u>	<u>10.18</u>	<u>6.78</u>	<u>-48</u>	<u>1.10</u>	<u>5.7</u>	<u>2.83</u>	<u>0.703</u>
<u>1225</u>	<u>11.06</u>	<u>9.92</u>	<u>6.74</u>	<u>-31</u>	<u>1.10</u>	<u>3.4</u>	<u>2.63</u>	<u>0.702</u>
<u>1230</u>	<u>11.21</u>	<u>9.81</u>	<u>6.72</u>	<u>-22</u>	<u>1.10</u>	<u>3.6</u>	<u>2.53</u>	<u>0.702</u>
<u>1235</u>	<u>11.40</u>	<u>9.73</u>	<u>6.71</u>	<u>-19</u>	<u>1.09</u>	<u>3.7</u>	<u>2.41</u>	<u>0.699</u>
<u>1240</u>	<u>11.55</u>	<u>9.75</u>	<u>6.71</u>	<u>-12</u>	<u>1.09</u>	<u>2.6</u>	<u>2.32</u>	<u>0.695</u>

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's 4 - 100 ml ambers Yes No
 EPA SW-846 Method 8260 VOC's BTEX 6 - 40 ml vials Yes No
 EPA SW-846 Method 9012 Total Cyanide 2 - 250 ml plastic Yes No

FD-0422

Sample ID: MW-02R-0422 Duplicate? Yes No
 Sample Time: 1240 MS/MSD? Yes No

Shipped: Pace Courier Pickup
 Drop-off Albany Service Center

Laboratory: Pace Analytical
Greensburg, PA

Comments/Notes: _____

Sampling Personnel: Peter Lyon
 Job Number: 0603275-133570-221
 Well Id. MW-03

Date: 4/28/22
 Weather: 45° Sunny
 Time In: 1315 Time Out: 1400

Well Information		
	TOC	Other
Depth to Water: (feet)	<u>4.48</u>	
Depth to Bottom: (feet)	<u>27.25</u>	
Depth to Product: (feet)	<u>-</u>	
Length of Water Column: (feet)	<u>22.77</u>	
Volume of Water in Well: (gal)	<u>3.64</u>	
Three Well Volumes: (gal)	<u>10.92</u>	

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

Purging Information		
Purging Method:	Bailer <input type="checkbox"/> Peristaltic <input checked="" type="checkbox"/>	Grundfos Pump <input type="checkbox"/>
Tubing/Bailer Material:	Teflon <input type="checkbox"/> Stainless St. <input type="checkbox"/>	Polyethylene <input checked="" type="checkbox"/>
Sampling Method:	Bailer <input type="checkbox"/> Peristaltic <input checked="" type="checkbox"/>	Grundfos Pump <input type="checkbox"/>
Average Pumping Rate: (ml/min)	<u>200</u>	
Duration of Pumping: (min)	<u>36</u>	
Total Volume Removed: (gal)	<u>2</u>	Did well go dry? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Horiba U-52 Water Quality Meter Used?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

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=133.7cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
<u>1320</u>	<u>4.50</u>	<u>10.39</u>	<u>7.78</u>	<u>-48</u>	<u>1.06</u>	<u>35.8</u>	<u>0.25</u>	<u>.681</u>
<u>1325</u>	<u>4.50</u>	<u>10.64</u>	<u>7.68</u>	<u>-20</u>	<u>1.06</u>	<u>4.8</u>	<u>0.00</u>	<u>.676</u>
<u>1330</u>	<u>4.50</u>	<u>10.76</u>	<u>7.62</u>	<u>-6</u>	<u>1.06</u>	<u>0.2</u>	<u>0.00</u>	<u>.675</u>
<u>1335</u>	<u>4.50</u>	<u>10.74</u>	<u>7.55</u>	<u>8</u>	<u>1.06</u>	<u>0.0</u>	<u>0.00</u>	<u>.676</u>
<u>1340</u>	<u>4.50</u>	<u>10.73</u>	<u>7.51</u>	<u>15</u>	<u>1.06</u>	<u>0.0</u>	<u>0.00</u>	<u>.677</u>
<u>1345</u>	<u>4.50</u>	<u>10.76</u>	<u>7.48</u>	<u>22</u>	<u>1.06</u>	<u>0.3</u>	<u>0.00</u>	<u>.677</u>
<u>1350</u>	<u>4.50</u>	<u>10.76</u>	<u>7.47</u>	<u>28</u>	<u>1.06</u>	<u>0.0</u>	<u>0.00</u>	<u>.678</u>

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's 2 - 100 ml ambers Yes No
 EPA SW-846 Method 8260 VOC's BTEX 3 - 40 ml vials Yes No
 EPA SW-846 Method 9012 Total Cyanide 1 - 250 ml plastic Yes No

Sample ID: MW-03-0422 Duplicate? Yes No
 Sample Time: 1350 MS/MSD? Yes No

Shipped: Pace Courier Pickup
 Drop-off Albany Service Center

Laboratory: Pace Analytical
Greensburg, PA

Comments/Notes: _____

Sampling Personnel: Peter Lyon
 Job Number: 0603275-133570-221
 Well Id. MW-06

Date: 4/28/22
 Weather: Sunny 40°
 Time In: 11:21 Time Out: 12:00

Well Information		TOC	Other
Depth to Water:	(feet)	<u>16.09</u>	
Depth to Bottom:	(feet)	<u>28.60</u>	
Depth to Product:	(feet)	<u>-</u>	
Length of Water Column:	(feet)	<u>12.56</u>	
Volume of Water in Well:	(gal)	<u>2.00</u>	
Three Well Volumes:	(gal)	<u>6.00</u>	

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

Purging Information

Purging Method: _____ Bailer Peristaltic Grundfos Pump
 Tubing/Bailer Material: _____ Teflon Stainless St. Polyethylene
 Sampling Method: _____ Bailer Peristaltic 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 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)
<u>11:25</u>	<u>16.09</u>	<u>11.80</u>	<u>8.60</u>	<u>-40</u>	<u>2.905</u>	<u>3.7</u>	<u>0.79</u>	<u>0.591</u>
<u>11:30</u>	<u>16.10</u>	<u>11.00</u>	<u>8.16</u>	<u>-57</u>	<u>1.04</u>	<u>3.2</u>	<u>0.21</u>	<u>0.668</u>
<u>11:35</u>	<u>16.4</u>	<u>10.91</u>	<u>7.99</u>	<u>-60</u>	<u>1.24</u>	<u>1.6</u>	<u>0.14</u>	<u>0.796</u>
<u>11:40</u>	<u>16.11</u>	<u>11.07</u>	<u>7.87</u>	<u>-56</u>	<u>1.27</u>	<u>0.6</u>	<u>0.14</u>	<u>0.813</u>
<u>11:45</u>	<u>16.11</u>	<u>11.39</u>	<u>7.85</u>	<u>-54</u>	<u>1.29</u>	<u>0.0</u>	<u>0.18</u>	<u>0.829</u>
<u>11:50</u>	<u>16.11</u>	<u>11.63</u>	<u>7.79</u>	<u>-51</u>	<u>1.30</u>	<u>0.0</u>	<u>0.22</u>	<u>0.833</u>
<u>11:55</u>	<u>16.4</u>	<u>12.10</u>	<u>7.71</u>	<u>-50</u>	<u>1.43</u>	<u>0.0</u>	<u>0.35</u>	<u>0.918</u>

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's 6 - 100 ml ambers Yes No
 EPA SW-846 Method 8260 VOC's BTEX 9 - 40 ml vials Yes No
 EPA SW-846 Method 9012 Total Cyanide 3 - 250 ml plastic Yes No
MW-06-MS-0422 MW-06-MSD-0422
 Sample ID: MW-06-0422 Duplicate? Yes No
 Sample Time: 11:55 MS/MSD? Yes No
 Shipped: Pace Courier Pickup
 Drop-off Albany Service Center

Comments/Notes: _____
 Laboratory: Pace Analytical Greensburg, PA

Sampling Personnel: Peter Lyon
 Job Number: 0603275-133570-221
 Well Id. MW-07

Date: 4/28/02
 Weather: 45 Sunny
 Time In: 1226 Time Out: 1305

Well Information		
	TOC	Other
Depth to Water: (feet)	<u>7.55</u>	
Depth to Bottom: (feet)	<u>16.87</u>	
Depth to Product: (feet)	<u>-</u>	
Length of Water Column: (feet)	<u>9.32</u>	
Volume of Water in Well: (gal)	<u>1.49</u>	
Three Well Volumes: (gal)	<u>4.47</u>	

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

Purging Information		
Purging Method:	Bailer <input type="checkbox"/> Peristaltic <input checked="" type="checkbox"/>	Grundfos Pump <input type="checkbox"/>
Tubing/Bailer Material:	Teflon <input type="checkbox"/> Stainless St. <input type="checkbox"/>	Polyethylene <input checked="" type="checkbox"/>
Sampling Method:	Bailer <input type="checkbox"/> Peristaltic <input checked="" type="checkbox"/>	Grundfos Pump <input type="checkbox"/>
Average Pumping Rate: (ml/min)	<u>200</u>	
Duration of Pumping: (min)	<u>30</u>	
Total Volume Removed: (gal)	<u>2</u>	Did well go dry? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Horiba U-52 Water Quality Meter Used?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

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)
<u>1230</u>	<u>8.23</u>	<u>13.81</u>	<u>7.32</u>	<u>-76</u>	<u>1.25</u>	<u>18.2</u>	<u>8.88</u>	<u>.810</u>
<u>1235</u>	<u>8.37</u>	<u>12.71</u>	<u>7.06</u>	<u>-72</u>	<u>1.45</u>	<u>10.7</u>	<u>2.22</u>	<u>.933</u>
<u>1240</u>	<u>8.42</u>	<u>11.58</u>	<u>6.96</u>	<u>-72</u>	<u>1.58</u>	<u>12.3</u>	<u>6.37</u>	<u>1.01</u>
<u>1245</u>	<u>8.55</u>	<u>12.32</u>	<u>6.83</u>	<u>-70</u>	<u>1.56</u>	<u>142</u>	<u>5.09</u>	<u>1.00</u>
<u>1250</u>	<u>8.60</u>	<u>10.82</u>	<u>2.21</u>	<u>-85</u>	<u>1.41</u>	<u>0.0</u>	<u>0.79</u>	<u>.909</u>
<u>1255</u>	<u>8.62</u>	<u>10.90</u>	<u>7.13</u>	<u>-86</u>	<u>1.69</u>	<u>381</u>	<u>0.07</u>	<u>1.08</u>
<u>1300</u>	<u>8.59</u>	<u>9.91</u>	<u>7.16</u>	<u>-91</u>	<u>1.75</u>	<u>110</u>	<u>0.60</u>	<u>1.12</u>

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's 2 - 100 ml ambers Yes No
 EPA SW-846 Method 8260 VOC's BTEX 3 - 40 ml vials Yes No
 EPA SW-846 Method 9012 Total Cyanide 1 - 250 ml plastic Yes No

Sample ID: MW-07-0422 Duplicate? Yes No
 Sample Time: 1300 MS/MSD? Yes No

Shipped: Pace Courier Pickup
 Drop-off Albany Service Center

Laboratory: Pace Analytical
Greensburg, PA

Comments/Notes: _____

Sampling Personnel: G. ERNST
 Job Number: 0603275-133570-221
 Well Id. MW-08R

Date: 4/28/22
 Weather: clear 40's Breezy
 Time In: 1255 Time Out: _____

Well Information		TOC	Other
Depth to Water:	(feet)	<u>8.47</u>	
Depth to Bottom:	(feet)	<u>20.20</u>	
Depth to Product:	(feet)	<u>-</u>	
Length of Water Column:	(feet)	<u>11.73</u>	
Volume of Water in Well:	(gal)	<u>1.88</u>	
Three Well Volumes:	(gal)	<u>5.63</u>	

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

Purging Information		Conversion Factors				
Purging Method:	Bailer <input type="checkbox"/> Peristaltic <input checked="" type="checkbox"/>	gal./ft. of water	1" ID	2" ID	4" ID	6" ID
Tubing/Bailer Material:	Teflon <input type="checkbox"/> Stainless St. <input type="checkbox"/>		0.04	0.16	0.66	1.47
Sampling Method:	Bailer <input type="checkbox"/> Peristaltic <input checked="" type="checkbox"/>	1 gallon=	3.785L=	3785mL=	1337cu. feet	
Average Pumping Rate:	(ml/min) <u>200</u>					
Duration of Pumping:	(min) <u>30</u>					
Total Volume Removed:	(gal) <u>~1.5</u>					
Horiba U-52 Water Quality Meter Used?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Did well go dry?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
<u>1305</u>	<u>8.89</u>	<u>12.90</u>	<u>7.43</u>	<u>77</u>	<u>0.552</u>	<u>97.2</u>	<u>5.37</u>	<u>0.352</u>
<u>1310</u>	<u>9.38</u>	<u>12.69</u>	<u>7.33</u>	<u>139</u>	<u>0.479</u>	<u>61.9</u>	<u>3.36</u>	<u>0.307</u>
<u>1315</u>	<u>9.86</u>	<u>12.49</u>	<u>7.31</u>	<u>179</u>	<u>0.410</u>	<u>20.8</u>	<u>2.42</u>	<u>0.266</u>
<u>1320</u>	<u>10.18</u>	<u>12.41</u>	<u>7.29</u>	<u>191</u>	<u>0.399</u>	<u>11.8</u>	<u>2.29</u>	<u>0.259</u>
<u>1325</u>	<u>10.51</u>	<u>12.35</u>	<u>7.28</u>	<u>199</u>	<u>0.389</u>	<u>10.9</u>	<u>2.11</u>	<u>0.253</u>
<u>1330</u>	<u>10.81</u>	<u>12.37</u>	<u>7.28</u>	<u>196</u>	<u>0.381</u>	<u>11.1</u>	<u>2.74</u>	<u>0.246</u>
<u>1335</u>	<u>11.02</u>	<u>12.40</u>	<u>7.25</u>	<u>201</u>	<u>0.353</u>	<u>11.0</u>	<u>2.72</u>	<u>0.229</u>

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's 2 - 100 ml ambers Yes No
 EPA SW-846 Method 8260 VOC's BTEX 3 - 40 ml vials Yes No
 EPA SW-846 Method 9012 Total Cyanide 1 - 250 ml plastic Yes No

Sample ID: MW-08R-0422 Duplicate? Yes No
 Sample Time: 1340 MS/MSD? Yes No

Shipped: Pace Courier Pickup
 Drop-off Albany Service Center

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes: _____

Sampling Personnel: G. ERUST
 Job Number: 0603275-133570-221
 Well Id. MW-13

Date: 4/28/22
 Weather: Clear 40°s
 Time In: 1100 Time Out: 1200

Well Information			TOC	Other
Depth to Water:	(feet)	<u>5.3</u>		
Depth to Bottom:	(feet)	<u>23.82</u>		
Depth to Product:	(feet)	<u>-</u>		
Length of Water Column:	(feet)	<u>18.51</u>		
Volume of Water in Well:	(gal)	<u>2.96</u>		
Three Well Volumes:	(gal)	<u>8.88</u>		

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

Purging Information				Conversion Factors				
Purging Method:	Bailer <input type="checkbox"/>	Peristaltic <input checked="" type="checkbox"/>	Grundfos Pump <input type="checkbox"/>	gal/ft.	1" ID	2" ID	4" ID	6" ID
Tubing/Bailer Material:	Teflon <input type="checkbox"/>	Stainless St. <input type="checkbox"/>	Polyethylene <input checked="" type="checkbox"/>	of				
Sampling Method:	Bailer <input type="checkbox"/>	Peristaltic <input checked="" type="checkbox"/>	Grundfos Pump <input type="checkbox"/>	water	0.04	0.16	0.66	1.47
Average Pumping Rate:	(ml/min)	<u>200</u>		1 gallon=3.785L=3785mL=1337cu. feet				
Duration of Pumping:	(min)	<u>30</u>						
Total Volume Removed:	(gal)	<u>~1.5</u>	Did well go dry? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Horiba U-52 Water Quality Meter Used?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
<u>1120</u>	<u>5.30</u>	<u>14.05</u>	<u>6.96</u>	<u>128</u>	<u>1.43</u>	<u>24.5</u>	<u>6.55</u>	<u>0.922</u>
<u>1125</u>	<u>5.32</u>	<u>12.80</u>	<u>6.96</u>	<u>111</u>	<u>1.45</u>	<u>24.0</u>	<u>3.50</u>	<u>0.929</u>
<u>1130</u>	<u>5.33</u>	<u>11.92</u>	<u>6.96</u>	<u>95</u>	<u>1.48</u>	<u>18.0</u>	<u>3.07</u>	<u>0.945</u>
<u>1135</u>	<u>5.33</u>	<u>11.45</u>	<u>6.95</u>	<u>82</u>	<u>1.49</u>	<u>11.0</u>	<u>2.87</u>	<u>0.955</u>
<u>1140</u>	<u>5.33</u>	<u>11.14</u>	<u>6.93</u>	<u>72</u>	<u>1.51</u>	<u>6.5</u>	<u>2.75</u>	<u>0.964</u>
<u>1145</u>	<u>5.33</u>	<u>10.90</u>	<u>6.92</u>	<u>64</u>	<u>1.52</u>	<u>5.4</u>	<u>2.63</u>	<u>0.970</u>
<u>1150</u>	<u>5.33</u>	<u>10.81</u>	<u>6.99</u>	<u>54</u>	<u>1.52</u>	<u>4.7</u>	<u>2.54</u>	<u>0.975</u>

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's 2 - 100 ml ambers Yes No
 EPA SW-846 Method 8260 VOC's BTEX 3 - 40 ml vials Yes No
 EPA SW-846 Method 9012 Total Cyanide 1 - 250 ml plastic Yes No

Sample ID: MW-13-0422 Duplicate? Yes No
 Sample Time: 1150 MS/MSD? Yes No

Shipped: Pace Courier Pickup
 Drop-off Albany Service Center

Laboratory: Pace Analytical
Greensburg, PA

Comments/Notes: _____

Section A

Required Client Information:
 Company: GES - Syracuse
 Address: 6780 Northern Blvd, Suite 100
 East Syracuse, New York 13057
 Email To: dshay@gesonline.com
 Phone: 800.220.3069 x4051
 Requested Due Date/TAT: Standard

Section B

Required Project Information:
 Report To: Devin Shay (GES) dshay@gesonline.com
 Report To: Tim Beaumont (GES) tbeaumont@gesonline.com
 Purchase Order No.:
 Project Name: National Grid - Ilion Street, Ilion NY
 Project Number: 0603275-133570-221-1106

Section C

Invoice Information:
 Attention: Accounts Payable via email at ges-invoices@gesonline.com
 Company Name: Groundwater & Environmental Services, Inc.
 Address: 6780 Northern Blvd, Suite 100, East Syracuse, NY 13057
 Pace Quote Reference:
 Pace Project Manager: Rachel Christner
 Pace Profile #: **Semi-Annual GWS**

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER _____

SITE LOCATION

3A - N
 3H - C - I - HER _____

Section D

Required Client Information
SAMPLE ID
 One Character per box.
 (A-Z, 0-9 / , -)
 IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTEWATER	WW
PRODUCT	P
SOLID	SL
SLURRY	SLIP
SOIL	SO
WASTE	W
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE	G-GRAB	C-COMP	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives													
						DATE	TIME	DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	H ₂ O ₂	H ₂ S ₂ O ₈	Methanol	Other						
	MW-02R-0422	WT	G					4/28/22	1240	6	2			3	1										
	MW-03-0422	WT	G						1350	6	2			3	1										
	MW-06-0422	WT	G						1155	6	2			3	1										
	MW-06-MS-0422	WT	G						1155	6	2			3	1										
	MW-06-MSD-0422	WT	G						1155	6	2			3	1										
	MW-07-0422	WT	G						1300	6	2			3	1										
	MW-08R-0422	WT	G						1340	6	2			3	1										
	MW-13-0422	WT	G						1150	6	2			3	1										
	FD-0422	WT	G							6	2			3	1										
	Trip Blanks	WT	G						1200	3	2			3											

Filtered (Y/N)

Requested Analysis:

BTEX (8260C)
 SVOCs (2145) (8270D)
 Organics Total (80153)

Pace Project Number Lab I.D.

Additional Comments:
 # 1 COOLERS.
 SAMPLES WILL ARRIVE IN

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
<i>[Signature]</i>	4/28/22	1550	<i>[Signature]</i>	4/28/22	1550				
						Y/N	Y/N	Y/N	Y/N
						Y/N	Y/N	Y/N	Y/N
						Y/N	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: *Greg Ernst*

SIGNATURE of SAMPLER: *[Signature]* DATE Signed (MM/DD/YY) *04/28/22*

SPECIFIC EDD NAME:
 \NGIlion-labnumber.28351.EQEDD.zip

Well ID	Sample?	Well Size	DTW	DTP	DTB	Comments
MW-02R	Yes	2"	12.05	/	18.30	Field Duplicate
MW-03	Yes	2"	5.18		27.25	
MW-06	Yes	2"	16.90		28.60	MS/MSD
MW-07	Yes	2"	8.20		16.87	
MW-08R	Yes	2"	9.50		20.20	
MW-13	Yes	2"	6.03		23.82	

DTW -depth to water

DTP -depth to product

DTB -depth to bottom

Sampling Personnel: Peter Lyon
 Job Number: 0603324-133570-221
 Well Id. MW-02R

Date: 10/26/23
 Weather: cloudy
 Time In: 1000 Time Out: 1046

Well Information			TOC	Other
Depth to Water:	(feet)	<u>12.05</u>		
Depth to Bottom:	(feet)	<u>18.30</u>		
Depth to Product:	(feet)	<u>-</u>		
Length of Water Column:	(feet)	<u>6.25</u>		
Volume of Water in Well:	(gal)	<u>1</u>		
Three Well Volumes:	(gal)	<u>3</u>		

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

Purging Information				Conversion Factors				
Purging Method:	Bailer <input type="checkbox"/>	Peristaltic <input checked="" type="checkbox"/>	Grundfos Pump <input type="checkbox"/>	gal/ft. of water	1" ID	2" ID	4" ID	6" ID
Tubing/Bailer Material:	Teflon <input type="checkbox"/>	Stainless St. <input type="checkbox"/>	Polyethylene <input checked="" type="checkbox"/>	0.04	0.16	0.66	1.47	
Sampling Method:	Bailer <input type="checkbox"/>	Peristaltic <input checked="" type="checkbox"/>	Grundfos Pump <input type="checkbox"/>	1 gallon=3.785L=3785mL=133.7cu. feet				
Average Pumping Rate:	(ml/min)	<u>200</u>	Did well go dry?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Duration of Pumping:	(min)	<u>30</u>	Horiba U-52 Water Quality Meter Used?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Total Volume Removed:	(gal)	<u>2</u>						

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
<u>1005</u>	<u>12.21</u>	<u>17.99</u>	<u>6.67</u>	<u>-164</u>	<u>0.892</u>	<u>11.2</u>	<u>0.00</u>	<u>0.569</u>
<u>1010</u>	<u>12.38</u>	<u>19.82</u>	<u>6.62</u>	<u>-153</u>	<u>0.888</u>	<u>8.8</u>	<u>0.00</u>	<u>0.569</u>
<u>1015</u>	<u>12.60</u>	<u>18.05</u>	<u>6.61</u>	<u>-131</u>	<u>0.919</u>	<u>11.2</u>	<u>0.00</u>	<u>0.584</u>
<u>1020</u>	<u>12.76</u>	<u>17.76</u>	<u>6.58</u>	<u>-126</u>	<u>0.920</u>	<u>5.5</u>	<u>0.00</u>	<u>0.572</u>
<u>1025</u>	<u>12.97</u>	<u>17.58</u>	<u>6.57</u>	<u>-121</u>	<u>0.931</u>	<u>7.9</u>	<u>0.00</u>	<u>0.599</u>
<u>1030</u>	<u>13.10</u>	<u>17.34</u>	<u>6.58</u>	<u>-117</u>	<u>0.942</u>	<u>7.9</u>	<u>0.00</u>	<u>0.600</u>
<u>1035</u>	<u>13.30</u>	<u>17.34</u>	<u>6.59</u>	<u>-118</u>	<u>0.946</u>	<u>7.3</u>	<u>0.00</u>	<u>0.607</u>

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

FD-1022

Sample ID: MW-02R-1022 Duplicate? Yes No
 Sample Time: 1035 MS/MSD? Yes No

4 - 100 ml ambers Yes No
 6 - 40 ml vials Yes No
 2 - 250 ml plastic Yes No

Shipped: Pace Courier Pickup
 Drop-off Albany Service Center

Laboratory: Pace Analytical
 Greensburg, PA

Comments/Notes: _____

Sampling Personnel: K
 Job Number: 0603324-133570-221
 Well Id. **MW-03**

Date: 10/26/22
 Weather: Sunny 65
 Time In: 10:50 Time Out: _____

Well Information		TOC	Other
Depth to Water:	(feet)	<u>5.48</u>	
Depth to Bottom:	(feet)	<u>27.25</u>	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	<u>21.77</u>	
Volume of Water in Well:	(gal)	<u>3.48</u>	
Three Well Volumes:	(gal)	<u>10.44</u>	

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

Purging Information

Purging Method: _____
 Tubing/Bailer Material: _____
 Sampling Method: _____
 Average Pumping Rate: (ml/min) 20
 Duration of Pumping: (min) 30
 Total Volume Removed: (gal) 2 Did well go dry? Yes No

Horiba U-52 Water Quality Meter Used? Yes No

Bailer Peristaltic
 Teflon Stainless St.
 Bailer Peristaltic
 Grundfos Pump
 Polyethylene
 Grundfos Pump

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)
<u>10:55</u>	<u>5.58</u>	<u>19.85</u>	<u>7.14</u>	<u>61</u>	<u>0.697</u>	<u>102</u>	<u>0.74</u>	<u>0.468</u>
<u>11:00</u>	<u>5.55</u>	<u>19.61</u>	<u>7.14</u>	<u>-45</u>	<u>0.919</u>	<u>31.7</u>	<u>0.22</u>	<u>0.590</u>
<u>11:05</u>	<u>5.55</u>	<u>18.26</u>	<u>7.22</u>	<u>-23</u>	<u>0.960</u>	<u>4.3</u>	<u>0.14</u>	<u>0.614</u>
<u>11:10</u>	<u>5.55</u>	<u>18.07</u>	<u>7.22</u>	<u>-8</u>	<u>0.961</u>	<u>1.8</u>	<u>0.13</u>	<u>0.616</u>
<u>11:15</u>	<u>5.55</u>	<u>17.70</u>	<u>7.23</u>	<u>5</u>	<u>0.964</u>	<u>2.4</u>	<u>0.11</u>	<u>0.614</u>
<u>11:20</u>	<u>5.55</u>	<u>17.59</u>	<u>7.23</u>	<u>17</u>	<u>0.968</u>	<u>2.1</u>	<u>0.08</u>	<u>0.620</u>
<u>11:25</u>	<u>5.55</u>	<u>17.26</u>	<u>7.23</u>	<u>27</u>	<u>0.974</u>	<u>2-3</u>	<u>0.06</u>	<u>0.623</u>
<u>11:30</u>								
<u>11:35</u>								

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's 2 - 100 ml ambers Yes No
 EPA SW-846 Method 8260 VOC's BTEX 3 - 40 ml vials Yes No
 EPA SW-846 Method 9012 Total Cyanide 1 - 250 ml plastic Yes No

Sample ID: MW-03-1022 Duplicate? Yes No
 Sample Time: 11:25 MS/MSD? Yes No

Shipped: Pace Courier Pickup
 Drop-off Albany Service Center

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes: _____

Sampling Personnel: Rkr Lys
 Job Number: 0603324-133570-221
 Well Id: MW-06

Date: 10/26/22
 Weather: Sunny 67°
 Time In: 1050 Time Out: 1130

Well Information		TOC	Other
Depth to Water:	(feet)	<u>16.96</u>	
Depth to Bottom:	(feet)	<u>28.60</u>	
Depth to Product:	(feet)	<u>-</u>	
Length of Water Column:	(feet)	<u>11.64</u>	
Volume of Water in Well:	(gal)	<u>1.86</u>	
Three Well Volumes:	(gal)	<u>5.58</u>	

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

Purging Information

Purging Method: _____ Bailer Peristaltic Grundfos Pump
 Tubing/Bailer Material: _____ Teflon Stainless St. Polyethylene
 Sampling Method: _____ Bailer Peristaltic 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 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)
<u>1055</u>	<u>12.03</u>	<u>18.07</u>	<u>6.95</u>	<u>-62</u>	<u>1.02</u>	<u>2.4</u>	<u>0.00</u>	<u>0.657</u>
<u>1100</u>	<u>12.03</u>	<u>17.17</u>	<u>7.02</u>	<u>-43</u>	<u>1.31</u>	<u>1.5</u>	<u>2.22</u>	<u>0.847</u>
<u>1105</u>	<u>12.03</u>	<u>17.00</u>	<u>7.03</u>	<u>-22</u>	<u>1.40</u>	<u>0.5</u>	<u>3.26</u>	<u>0.895</u>
<u>1110</u>	<u>12.03</u>	<u>16.84</u>	<u>7.02</u>	<u>-15</u>	<u>1.47</u>	<u>1.8</u>	<u>4.91</u>	<u>0.937</u>
<u>1115</u>	<u>12.03</u>	<u>16.95</u>	<u>7.01</u>	<u>-7</u>	<u>1.48</u>	<u>0.1</u>	<u>4.67</u>	<u>0.948</u>
<u>1120</u>	<u>12.03</u>	<u>16.90</u>	<u>7.00</u>	<u>-1</u>	<u>1.51</u>	<u>1.1</u>	<u>4.34</u>	<u>0.965</u>
<u>1125</u>	<u>12.03</u>	<u>16.56</u>	<u>6.99</u>	<u>2</u>	<u>1.52</u>	<u>0.0</u>	<u>4.52</u>	<u>0.969</u>

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's 6 - 100 ml ambers Yes No
 EPA SW-846 Method 8260 VOC's BTEX 9 - 40 ml vials Yes No
 EPA SW-846 Method 9012 Total Cyanide 3 - 250 ml plastic Yes No
MW-06-MS-1022 MW-06-MSD-1022
 Sample ID: MW-06-1022 Duplicate? Yes No
 Sample Time: 1125 MS/MSD? Yes No
 Shipped: Pace Courier Pickup
 Drop-off Albany Service Center
 Laboratory: Pace Analytical Greensburg, PA

Comments/Notes: _____

Sampling Personnel: JK
 Job Number: 0603324-133570-221
 Well Id. **MW-07**

Date: 10/26/22
 Weather: Sunny 65
 Time In: 11:45 Time Out: _____

Well Information		TOC	Other
Depth to Water:	(feet)	<u>8.20</u>	
Depth to Bottom:	(feet)	16.87	
Depth to Product:	(feet)	<u>—</u>	
Length of Water Column:	(feet)	<u>8.67</u>	
Volume of Water in Well:	(gal)	<u>1.38</u>	
Three Well Volumes:	(gal)	<u>4.14</u>	

Well Type: _____
 Well Locked: Yes No
 Measuring Point Marked: Yes No
 Well Material: PVC SS Other: _____
 Well Diameter: 1" 2" Other: _____
 Comments: _____

Purging Information		Conversion Factors				
Purging Method:	Bailer <input type="checkbox"/> Peristaltic <input checked="" type="checkbox"/>	gal/ft.	1" ID	2" ID	4" ID	6" ID
Tubing/Bailer Material:	Teflon <input type="checkbox"/> Stainless St. <input type="checkbox"/>	of				
Sampling Method:	Bailer <input type="checkbox"/> Peristaltic <input checked="" type="checkbox"/>	water	0.04	0.16	0.66	1.47
Average Pumping Rate:	(ml/min) <u>200</u>	1 gallon=3.785L=3785mL=1337cu. feet				
Duration of Pumping:	(min) <u>30</u>					
Total Volume Removed:	(gal) <u>2</u>					
Did well go dry?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Horiba U-52 Water Quality Meter Used?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
11:50	9.00	18.64	6.91	-95	1.18	128	1.30	0.748
11:55	9.77	18.90	6.63	-96	1.21	54.6	2.00	0.779
12:00	9.90	18.17	6.60	-99	1.33	53.5	2.02	0.853
12:05	9.93	17.97	6.58	-102	1.41	47.0	1.59	0.906
12:10	9.93	17.79	6.58	-106	1.46	38.8	1.40	0.932
12:15	9.93	17.63	6.58	-107	1.48	41.0	1.16	0.950
12:20	9.93	17.52	6.57	-108	1.51	39.5	0.99	0.964

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 - 100 ml ambers Yes No
 3 - 40 ml vials Yes No
 1 - 250 ml plastic Yes No

Sample ID: **MW-07-1022** Duplicate? Yes No
 Sample Time: 12:20 MS/MSD? Yes No

Shipped: Pace Courier Pickup
 Drop-off Albany Service Center

Laboratory: Pace Analytical
 Greensburg, PA

Comments/Notes: _____

Sampling Personnel: K
 Job Number: 0603324-133570-221
 Well Id: **MW-08R**

Date: 10/26/12
 Weather: Sun
 Time In: 10:40 Time Out: _____

Well Information		TOC	Other
Depth to Water:	(feet)	<u>9.58</u>	
Depth to Bottom:	(feet)	<u>20.20</u>	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	<u>10.62</u>	
Volume of Water in Well:	(gal)	<u>1.69</u>	
Three Well Volumes:	(gal)	<u>5.09</u>	

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

Purging Information

Purging Method: _____ Bailer Peristaltic Grundfos Pump
 Tubing/Bailer Material: _____ Teflon Stainless St. Polyethylene
 Sampling Method: _____ Bailer Peristaltic 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 No

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)
10:10	9.89	20.66	7.39	30	0.534	97.9	1.07	0.343
10:15	10.03	19.30	6.92	6	0.559	65.1	0.37	0.358
10:20	11.07	18.54	6.90	1	0.576	42.7	0.30	0.366
10:25	12.10	17.90	6.81	-7	0.685	38.4	0.24	0.374
10:30	12.67	17.91	6.91	-7	0.565	41.0	0.66	0.361
10:35	13.05	17.91	6.95	20	0.540	42.9	1.96	0.347
10:40	13.33	17.94	6.98	33	0.560	33.5	1.84	0.358
10:45	13.70	17.63	7.00	28	0.568	20.5	1.32	0.366

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's 2 - 100 ml ambers Yes No
 EPA SW-846 Method 8260 VOC's BTEX 3 - 40 ml vials Yes No
 EPA SW-846 Method 9012 Total Cyanide 1 - 250 ml plastic Yes No

Sample ID: MW-08R-1022 Duplicate? Yes No
 Sample Time: 10:45 MS/MSD? Yes No
 Shipped: Pace Courier Pickup
 Drop-off Albany Service Center

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes: 10:45

Sampling Personnel: Felix Lopez

Date: 10/26/22

Job Number: 0603324-133570-221

Weather: 67 cloudy

Well Id. MW-13

Time In: 1146 Time Out: 1225

Well Information			TOC	Other
Depth to Water:	(feet)	<u>6.03</u>		
Depth to Bottom:	(feet)	<u>23.82</u>		
Depth to Product:	(feet)	<u>-</u>		
Length of Water Column:	(feet)	<u>17.79</u>		
Volume of Water in Well:	(gal)	<u>2.84</u>		
Three Well Volumes:	(gal)	<u>8.53</u>		

Well Type:	Flushmount	<input checked="" type="checkbox"/>	Stick-Up	<input type="checkbox"/>
Well Locked:	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Measuring Point Marked:	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Well Material:	PVC	<input checked="" type="checkbox"/>	SS	<input type="checkbox"/>
Well Diameter:	1"	<input type="checkbox"/>	2"	<input checked="" type="checkbox"/>
Comments:				

Purging Information				Conversion Factors			
Purging Method:	Bailer	<input type="checkbox"/>	Peristaltic	<input checked="" type="checkbox"/>	Grundfos Pump	<input type="checkbox"/>	
Tubing/Bailer Material:	Teflon	<input type="checkbox"/>	Stainless St.	<input type="checkbox"/>	Polyethylene	<input checked="" type="checkbox"/>	
Sampling Method:	Bailer	<input type="checkbox"/>	Peristaltic	<input checked="" type="checkbox"/>	Grundfos Pump	<input type="checkbox"/>	
Average Pumping Rate:	(ml/min)	<u>200</u>					
Duration of Pumping:	(min)	<u>30</u>					
Total Volume Removed:	(gal)	<u>2</u>	Did well go dry?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Horiba U-52 Water Quality Meter Used?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>			

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)
<u>1150</u>	<u>6.29</u>	<u>20.03</u>	<u>6.92</u>	<u>64</u>	<u>1.34</u>	<u>5.0</u>	<u>0.00</u>	<u>0.854</u>
<u>1155</u>	<u>6.30</u>	<u>19.45</u>	<u>6.88</u>	<u>61</u>	<u>1.34</u>	<u>3.3</u>	<u>0.00</u>	<u>0.861</u>
<u>1200</u>	<u>6.30</u>	<u>19.21</u>	<u>6.87</u>	<u>62</u>	<u>1.35</u>	<u>2.0</u>	<u>0.00</u>	<u>0.864</u>
<u>1205</u>	<u>6.30</u>	<u>19.09</u>	<u>6.85</u>	<u>64</u>	<u>1.35</u>	<u>1.2</u>	<u>0.00</u>	<u>0.863</u>
<u>1210</u>	<u>6.30</u>	<u>19.03</u>	<u>6.85</u>	<u>67</u>	<u>1.34</u>	<u>1.2</u>	<u>0.00</u>	<u>0.861</u>
<u>1215</u>	<u>6.30</u>	<u>18.99</u>	<u>6.84</u>	<u>70</u>	<u>1.34</u>	<u>1.1</u>	<u>0.00</u>	<u>0.860</u>
<u>1220</u>	<u>6.30</u>	<u>19.33</u>	<u>6.83</u>	<u>72</u>	<u>1.33</u>	<u>4.5</u>	<u>0.00</u>	<u>0.851</u>

Sampling Information:			
EPA SW-846 Method 8270	SVOC PAH's	2 - 100 ml ambers	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
EPA SW-846 Method 9012	Total Cyanide	1 - 250 ml plastic	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Sample ID: <u>MW-13-1022</u>	Duplicate?	Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/>
Sample Time: <u>1220</u>	MS/MSD?	Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/>
		Shipped:	Pace Courier Pickup <input checked="" type="checkbox"/> Drop-off Albany Service Center <input type="checkbox"/>

Comments/Notes: F.P. Blank: 1230

Laboratory: Pace Analytical Greensburg, PA



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: GES - Syracuse		Report To: Devin Shay (GES) dshay@gesonline.com		Attention: Accounts Payable via email at ges-invoices@gesonline.com	
Address: 6780 Northern Blvd, Suite 100 East Syracuse, New York 13057		Report To: Tim Beaumont (GES) tbeaumont@gesonline.com		Company Name: Groundwater & Environmental Services, Inc.	
Email To: dshay@gesonline.com		Purchase Order No.:		Address: 6780 Northern Blvd, Suite 100, East Syracuse, NY 13057	
Phone: 800.220.3069 Fax: None x4051		Project Name: National Grid - Ilion East Street, Ilion NY		Pace Quote Reference:	
Requested Due Date/TAT: Standard		Project Number: 0503324-133570-221-1106		Pace Project Manager: Rachel Christner	
				Pace Profile #: Semi-Annual GWS	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER _____

SITE LOCATION

GA IL IN MI NY OH SC VA WI OTHER _____

ITEM #	Section D Required Client Information	MATRIX CODE	SAMPLE TYPE	G-GRAB	C-COMP	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Filtered (Y/N)	Requested Analyte:						
						DATE	TIME	DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O8	Methanol			Other					
1	MW-02R-1022	WT	G							6	2															
2	MW-03-1022	WT	G							6	2															
3	MW-06-1022	WT	G							6	2															
4	MW-06-MS-1022	WT	G							6	2															
5	MW-06-MSD-1022	WT	G							6	2															
6	MW-07-1022	WT	G							6	2															
7	MW-08R-1022	WT	G							6	2															
8	MW-13-1022	WT	G							6	2															
9	FD-1022	WT	G							6	2															
10	Trip Blanks	WT	G							3																

Additional Comments: #1 COOLERS.	REL. REQUESTED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS							
SAMPLES WILL ARRIVE IN	[Signature]	10/26/12	12:30	[Signature]			Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact	Y/N	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: [Signature]

SIGNATURE of SAMPLER: [Signature]

DATE Signed (MM / DD / YY): 10/26/12

NERegion@gesonline.com, ges@equisonline.com

SPECIFIC EDD NAME:
NGIilion-labnumber.28351.EQEDD.zip



Appendix C – Data Usability Summary Report



Groundwater & Environmental Services, Inc.

708 North Main Street, Suite 201
Blacksburg, VA 24060

T. 800.662.5067

December 20, 2022

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

RE: Data Usability Summary Report for National Grid- Ilion, East Ave.: Data Package
Pace Analytical Job No. 30485013

Review has been completed for the data packages generated by Pace Analytical that pertain to monitoring well samples collected during the April 2022 sampling events at the National Grid Ilion, East Avenue site. Six aqueous samples, a matrix spike/matrix spike duplicate pair, a trip blank and a field duplicate were collected 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 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/Calibration Blanks
- Calibration/Low Level Standard Responses
- Instrumental Tunes
- Instrument MDLs
- Sample Quantitation and Identification
-

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. No data was qualified pursuant to this data validation effort.

BTEX and TCL Volatiles by EPA 8260C/NYSDEC ASP

Sample holding times for groundwater samples and instrumental tune fragmentations were within acceptance ranges. Blanks, both laboratory and field generated, were free of contamination. Surrogate and internal standard recoveries were within required limits. Calibrations standards show acceptable responses within analytical protocol and validation action limits. An MS/MSD was analyzed using **MW-06-0422** as the matrix. All QC elements associated with the MS/MSD fell within project criteria. The blind field duplicate correlations between **MW-02R-0422** and the duplicate passed RPD criteria, and no qualifications were required.

Table 1: Precision Calculations VOCs

Compound	MW-02R	FD	RPD
Benzene	1.7	1.8	5.7
Ethylbenzene	1.2	1.1	8.7
Toluene	1.1	1.2	8.7
Xylene (Total)	3.7	3.4	8.5

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

PAHs by EPA8270D/NYSDEC ASP

Holding times were met. Blanks, both laboratory and field generated, were free of contamination. Surrogate and internal standard recoveries were within required limits. Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines.

The laboratory control spike recoveries and precision indicate the methods were within laboratory control.

There was an MS/MSD analyzed using **MW-06-0422** as the matrix for the April 2022 sampling event. The matrix spike/matrix spike duplicate recoveries and relative percent differences were within laboratory-provided limits.

The blind field duplicate correlations of **MW-02R-0422** and **FD-0422** were calculated. The RPDs between **MW-02R-0422** and the duplicate are tabulated below. **MW-02R-0422** and the duplicate passed RPD criteria, and no qualifications were required.

Table 2: Precision Calculations PAHs

Compound	MW-02R	FD	RPD (maximum 30%)
Acenaphthene	1.2	1.3	8.0
Acenaphthylene	0.31	0.32	3.2

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

Cyanide by EPA 9012B /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.

The within criteria recoveries and precision of the laboratory control spike indicate the method is within laboratory control. There was an MS/MSD analyzed using **MW-06-0422** as the matrix for the April 2022 sampling event. The recovery for cyanide was low for the **MW-06-0422** matrix spikes, and the compound is qualified as estimated with a possible low bias in the samples.

The blind field duplicate correlations of **MW-02R-0422** were within project criteria.

Table 3: Precision Calculations Cyanide

Compound	MW-02R	FD	RPD
Cyanide	0.72	0.74	2.7

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

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.
Senior Chemist

SAMPLE SUMMARY

Project: National Grid - Ilion
Pace Project No.: 30485013

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30485013001	MW-02R-0422	Water	04/28/22 12:40	04/30/22 09:30
30485013002	MW-03-0422	Water	04/28/22 13:50	04/30/22 09:30
30485013003	MW-06-0422	Water	04/28/22 11:55	04/30/22 09:30
30485013004	MW-06-MS-0422	Water	04/28/22 11:55	04/30/22 09:30
30485013005	MW-06-MSD-0422	Water	04/28/22 11:55	04/30/22 09:30
30485013006	MW-07-0422	Water	04/28/22 13:00	04/30/22 09:30
30485013007	MW-08R-0422	Water	04/28/22 13:40	04/30/22 09:30
30485013008	MW-13-0422	Water	04/28/22 11:50	04/30/22 09:30
30485013009	FD-0422	Water	04/28/22 00:00	04/30/22 09:30
30485013010	Trip Blank	Water	04/28/22 12:00	04/30/22 09:30

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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PROJECT NARRATIVE

Project: National Grid - Ilion

Pace Project No.: 30485013

Method: EPA 8270D by SIM

Description: 8270D PAH SIM Reduced Volume

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: May 16, 2022

General Information:

9 samples were analyzed for EPA 8270D by SIM by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Ilion

Pace Project No.: 30485013

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: May 16, 2022

General Information:

10 samples were analyzed for EPA 8260C/5030C by Pace Analytical Services Long Island. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Ilion

Pace Project No.: 30485013

Method: EPA 9012B

Description: 9012B Cyanide, Total

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: May 16, 2022

General Information:

9 samples were analyzed for EPA 9012B by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 9012B with any exceptions noted below.

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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Groundwater & Environmental Services, Inc.

708 North Main Street, Suite 201
Blacksburg, VA 24060

T. 800.662.5067

December 20, 2022

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

RE: Data Usability Summary Report for National Grid- Ilion, East Ave.: Data Package
Pace Analytical Job No. 30533623

Review has been completed for the data packages generated by Pace Analytical that pertain to monitoring well samples collected during the October 2022 sampling events at the National Grid Ilion, East Avenue site. Six aqueous samples, a matrix spike/matrix spike duplicate pair, a trip blank and a field duplicate were collected 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 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/Calibration Blanks
- Calibration/Low Level Standard Responses
- Instrumental Tunes
- Instrument MDLs
- Sample Quantitation and Identification
-

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
All samples	J-/UJ-	Naphthalene	Low LCS Recovery
MW-02R/FD	J	Cyanide	Field RPD>30%

J-/UJ-: estimated detect/estimated non-detect with a possible low bias
R: data rejected

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. Calibrations standards show acceptable responses within analytical protocol and validation action limits. An MS/MSD was analyzed using **MW-06-1022** as the matrix. All QC elements associated with the MS/MSD fell within project criteria. The blind field duplicate correlations between **MW-02R-1022** and the duplicate passed criteria, and no qualifications were required.

Table 2: Precision Calculations VOCs

Compound	MW-02R	FD	RPD
Benzene	668	615	0.7
Ethylbenzene	123	110	4.1
Toluene	140	120	2.0
Xylene (Total)	302	257	2.7
m&p-Xylenes	187	159	2.7
o-Xylene	115	97.6	2.5

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

PAHs by EPA8270D/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 2022 data reported no detections above reporting level.

Surrogate recoveries were within criteria.

The laboratory control spike recoveries and precision indicate the methods were within laboratory control, with the exception of a low recovery for naphthalene. Data, both detect and non-detect, are considered estimated with a possible low bias.



There was an MS/MSD analyzed using **MW-06-1022** as the matrix for the October 2022 sampling event. The matrix spike/matrix spike duplicate recoveries and relative percent differences were within laboratory-provided limits.

The blind field duplicate correlations of **MW-02R-1022** and **FD-1022** were calculated. The RPDs between **MW-02R-1022** and the duplicate are tabulated below. No compound exceeded the EPA-recommended maximum 30% criteria.

Table 1: Precision Calculations PAHs

Compound	MW-02R	FD	RPD (Max 30%)
Acenaphthene	66.1	78.5	17.2
Acenaphthylene	28.1	32.9	15.7
Anthracene	0.11	0.13	16.7
Fluorene	14.2	16.0	11.9
2-Methylnaphthalene	2.8	3.1	10.2
Naphthalene	570	652	13.4
Phenanathrene	10.0	11.2	11.3

µg/L-microgram per liter RPD - relative percent difference NC: Not calculated – concentration not confirmed
 ND: not detected

Cyanide by EPA 9012B /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.

The within criteria recoveries and precision of the laboratory control spike indicate the method accuracy is reliable. There was an MS/MSD analyzed using **MW-06-1022** as the matrix for the October 2022 sampling event. The recovery for cyanide was within criteria for the matrix spikes.

The blind field duplicate correlations of MW-02R-1022 were outside project criteria. Cyanide data in MW-02R and the FD are qualified as estimated with an indeterminate bias.

Table 4: Precision Calculations Cyanide

Compound	MW-02R	FD	RPD
Cyanide	0.64	1.4	74.5

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



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,

A handwritten signature in blue ink that reads 'B Janowiak'. The signature is fluid and cursive, with a long horizontal stroke at the end.

Bonnie Janowiak, Ph.D.
Senior Chemist

SAMPLE SUMMARY

Project: NG Illio East Street, Illion N
Pace Project No.: 30533623

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30533623001	MW-02R-1022	Water	10/26/22 10:35	10/28/22 09:30
30533623002	MW-03-1022	Water	10/26/22 11:25	10/28/22 09:30
30533623003	MW-06-1022	Water	10/26/22 11:25	10/28/22 09:30
30533623004	MW-06-MS-1022	Water	10/26/22 11:25	10/28/22 09:30
30533623005	MW-06-MSD-1022	Water	10/26/22 11:25	10/28/22 09:30
30533623006	MW-07-1022	Water	10/26/22 12:20	10/28/22 09:30
30533623007	MW-08R-1022	Water	10/26/22 10:45	10/28/22 09:30
30533623008	MW-13-1022	Water	10/26/22 12:20	10/28/22 09:30
30533623009	FD-1022	Water	10/26/22 12:20	10/28/22 09:30
30533623010	Trip Blank	Water	10/26/22 12:30	10/28/22 09:30

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

PROJECT NARRATIVE

Project: NG Illio East Street, Illion N

Pace Project No.: 30533623

Method: EPA 8270D by SIM

Description: 8270D PAH SIM Reduced Volume

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: November 07, 2022

General Information:

9 samples were analyzed for EPA 8270D by SIM by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 543404

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 2637625)
- Naphthalene

Matrix Spikes:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: NG Illio East Street, Illion N

Pace Project No.: 30533623

Method: EPA 8260C

Description: 8260C MSV

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: November 07, 2022

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

QC Batch: 544924

ST: Surrogate recovery was above laboratory control limits. Results may be biased high.

- MW-06-1022 (Lab ID: 30533623003)
- 1,2-Dichloroethane-d4 (S)

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

PROJECT NARRATIVE

Project: NG Illio East Street, Illion N
Pace Project No.: 30533623

Method: EPA 9012B
Description: 9012B Cyanide, Total
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: November 07, 2022

General Information:

9 samples were analyzed for EPA 9012B by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 9012B with any exceptions noted below.

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

QC Batch: 543505

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30533623001

ML: Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.

- MS (Lab ID: 2637965)
 - Cyanide
- MSD (Lab ID: 2637966)
 - Cyanide

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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