

July 17, 2026
Project 1801687

Mr. Matthew King
Division of Environmental Remediation
NYSDEC, Region 9
700 Delaware Avenue
Buffalo, NY 14209

**Re: Groundwater Monitoring Results
June 2026 Event
Hornell Former MGP Site
NYSDEC Site # 851032**

Dear Mr. King:

This report has been prepared by GEI Consultants, Inc. (GEI) for National Fuel Gas Distribution Corporation (National Fuel) as an element of the post-remedial monitoring program at the Hornell Former Manufactured Gas Plant (MGP) Site in Hornell, New York (Figure 1). Quarterly groundwater monitoring is performed at the Site in accordance with the Interim Site Management Plan (ISMP) that was approved by the New York State Department of Environmental Conservation (NYSDEC) in June 2024. This report presents the results of quarterly groundwater monitoring activities performed on June 18, 2026.

Background

The Hornell Former MGP Site was remediated in 2020 and 2021 in accordance with the March 2018 Record of Decision. The remediation activities included removal of underground MGP appurtenances, excavation of soil, in-situ solidification (ISS) of soil, placement of a layer of clean fill, institutional controls, and monitored natural attenuation. An Environmental Easement (EE) is also a planned component for long-term Site management, but the EE has not been finalized, which also precludes finalization of the Site Management Plan (SMP). As a result, the ISMP was requested by the NYSDEC, which was submitted in February 2024 and approved by the NYSDEC in a letter to National Fuel dated June 24, 2024. The ISMP includes implementation of quarterly groundwater monitoring for two years, along with other Site management components (primarily annual Site inspections). This sampling event was the final of the eight quarterly groundwater sampling events under the ISMP.

Quarterly Field Monitoring Activities and Results

The locations of the monitoring wells are provided on Figure 1. The June 2026 monitoring activities and results are summarized below.

Monitoring Well Elevation Gauging

As required by the ISMP, the seven existing monitoring wells were gauged to obtain groundwater elevation data to assess the direction of groundwater flow across the Site. Six of the wells are screened across the water table. One well (MW-15) is a piezometer with a two-foot screen set approximately 20 feet below the water table. Table 1 summarizes the monitoring well designations, surveyed well elevation data, screened interval, depth-to-water measurements and groundwater elevations reflecting measurement data from June 18, 2026.

Based on that data, Figure 1 depicts the inferred shallow groundwater contours at the water table. As shown, shallow groundwater flow is inferred to be generally toward the east/southeast and consistent with prior Site data. The highest groundwater elevation measurement was in the western area of the Site at MW13 (1142.24 feet NAVD88). The lowest groundwater elevation measurement was in the eastern area of the Site at MW4 (1141.58 feet NAVD88). The overall change in the elevation of the water table across the Site was 0.66 feet, which represents a hydraulic gradient of approximately 0.002 ft/ft.

NAPL Monitoring

The ISMP specifies assessment and, if present, gauging of non-aqueous phase liquids (NAPL) at each of the seven wells. The monitoring wells were gauged to assess the presence or absence of both light non-aqueous phase liquid (LNAPL), and dense non-aqueous phase liquid (DNAPL). The results are summarized in Table 1. As shown in the table, NAPL was not identified at any well.

Groundwater Sampling

Groundwater sampling was performed on June 18, 2026. Samples were collected from monitoring wells MW6, MW7, MW8, MW12RR and MW13, as prescribed in the ISMP. The samples were submitted to Eurofins of Amherst, New York and analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by United States Environmental Protection Agency (USEPA) SW-846 Method 8260C, polycyclic aromatic hydrocarbons (PAHs) by USEPA SW-846 Method 8270D, and total cyanide by USEPA SW-846 Method 9014. Eurofins is certified to perform analyses under the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP). The methods used for the analyses and the quality control measures performed were consistent with the specifications provided in the NYSDEC Analytical Services Protocol (ASP). Data exceeding applicable standards are summarized on Figure 2 and the entire dataset is tabulated in Table 2.

Analytical Results

Analytical data were validated per appropriate USEPA guidance, consistent with DER-10, Appendix 2B. The Data Usability Summary Report (DUSR) is presented in Appendix B. Data and qualifiers in Table 2 and Figure 2 reflect the findings of the DUSR. All results were determined to be usable and valid with minor qualifications.

The groundwater analytical results were compared to the standards or guidance values provided in the document entitled "NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) Number 1.1.1," (NYSDEC 1998, with addenda through 2023) and 6 NYCRR Part 703.6 water quality

standards for Class GA groundwater, as applicable. Table 2 shows concentrations greater than laboratory detection limits in bold font and detected concentrations greater than applicable standards or guidance values are shaded gray. A summary of pre-and post-remedial groundwater analytical data for each well included in the ISMP monitoring scope is provided as Appendix C.

BTEX

No BTEX constituents were detected above the laboratory reporting limit during the June 2026 event.

Historically, BTEX has not been detected in any well since the first post-remediation event in August 2024.¹

PAHs

Certain PAHs were detected, including acenaphthene and fluorene during the June 2026 event, but no concentration was above NYSDEC Ambient Water Quality Standards and/or Guidance Values (AWQS).

Similarly, low levels of PAHs have been detected in certain wells during each post-remediation event; however, none have been above applicable standards.²

Total Cyanide

During the June 2026 event, cyanide was detected above the AWQS of 200 ug/L in MW8, at a concentration of 310 ug/L.

Historically, cyanide has been detected above the AWQS on three occasions; twice previously in MW7 (November 2024 and December 2025) and three times previously in MW8 (August 2024, June 2025, and March 2026). The post-remediation cyanide results range from 22 ug/L to 760 ug/L in these two wells, and fluctuations do not appear to be influenced by water levels or seasonality based on available data.

Implementation of the Post-Remedial Monitoring Work Plan

As noted above, the groundwater monitoring program was conducted quarterly for two years per the ISMP. On January 16, 2026, NYSDEC approved an annual sampling plan following completion of the two years of quarterly sampling. The next groundwater monitoring event is expected to be conducted in June 2027, which represents the first of the annual events and will include sampling of cyanide. NYSDEC will be notified at least seven days prior to the sampling event.

¹ Benzene was detected below AWQS in MW6 during the first post-remediation sampling event in August 2024. Additionally, BTEX was detected in MW12R above AWAS in August 2024; however, it was later determined that this well was incorrectly installed and the sample collected from that location was not representative of site conditions. MW12R had been inadvertently installed within the solidified ISS mass, and was replaced with MW12RR at the planned location, approximately 8 feet north of MW12R and the northern edge of the ISS mass, prior to the second monitoring event.

² One exception being MW12R, which is not considered representative as described in the footnote above.

If you have any questions or comments regarding the information presented in this report, please contact Michael Cummings of GEI at 716-204-7155.

Sincerely,



Emily Dallas
Project Environmental Scientist



Michael Cummings, P.G.
Senior Consultant
Project Manager

Appendices

Tables

Figures

Appendix A Chain-of-Custody Record and Form 1 Report Sheets

Appendix B Data Usability Summary Report

Appendix C Pre- and Post-Remedial Groundwater Data Table

cc: Ms. Kiera Thompson, NYSDEC (electronic copy)
Mr. David Pratt, P.E., NYSDEC (electronic copy)
Mr. Brad Walker, National Fuel
Ms. Tanya Alexander, National Fuel

MAC/EMD

B:\Working\NATIONAL FUEL GAS\1801687 Hornell MGP Remediation DB\2026 Q2 GWS and Annual Inspection\Summary Report\Hornell Q2 2026 GW Report.docx

Tables

Table 1. Groundwater Elevation Summary and NAPL Gauging Results – June 2026 Monitoring Event

Table 2. June 2026 Groundwater Analytical Results

Table 1. Groundwater Elevation Summary and NAPL Gauging Results
June 2026 Groundwater Monitoring Event
Hornell Former MGP Site

Well ID	PVC Riser Reference Elevation (Feet NAVD88)	Screened Interval (feet below top of inner casing)	Depth to Water June 18, 2026 (Feet below top of inner casing)	Groundwater Elevation June 18, 2026 (Feet NAVD88)	NAPL Gauging Results
MW4	1156.23	12 - 22	14.65	1141.58	Not Present
MW6	1157.86	12 - 22	15.92	1141.94	Not Present
MW7	1155.74	13 - 23	13.84	1141.90	Not Present
MW8	1158.26	13 - 23	16.10	1142.16	Not Present
MW12RR	1156.99	13 - 23	15.19	1141.80	Not Present
MW13	1156.92	12 - 22	14.68	1142.24	Not Present
MW15	1156.10	33 - 35	14.10	1142.00	Not Present

**Table 2. Hornell Former MGP
Groundwater Analysis Results
National Fuel Gas
Hornell, NY**

Sample Name Sample Date				MW-6 6/18/2026	MW-7 6/18/2026	MW-8 6/18/2026	MW-12RR 6/18/2026	MW-13 6/18/2026
Analyte	Units	CAS No.	NYS AWQS					
BTEX	ug/L							
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U
Total BTEX		N/A	NE	ND	ND	ND	ND	ND
PAH17	ug/L							
Acenaphthene		83-32-9	20*	1.8 J	5 U	5 U	5 U	5 U
Acenaphthylene		208-96-8	NE	5 U	5 U	5 U	5 U	5 U
Anthracene		120-12-7	50*	5 U	5 U	5 U	5 U	5 U
Benzo(a)anthracene		56-55-3	0.002*	5 U	5 U	5 U	5 U	5 U
Benzo(b)fluoranthene		205-99-2	0.002*	5 U	5 U	5 U	5 U	5 U
Benzo(k)fluoranthene		207-08-9	0.002*	5 U	5 U	5 U	5 U	5 U
Benzo(g,h,i)perylene		191-24-2	NE	5 U	5 U	5 U	5 U	5 U
Benzo(a)pyrene		50-32-8	ND	5 U	5 U	5 U	5 U	5 U
Chrysene		218-01-9	0.002*	5 U	5 U	5 U	5 U	5 U
Dibenz(a,h)anthracene		53-70-3	NE	5 U	5 U	5 U	5 U	5 U
Fluoranthene		206-44-0	50*	5 U	5 U	5 U	5 U	5 U
Fluorene		86-73-7	50*	3 J	5 U	5 U	5 U	5 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	5 U	5 U	5 U	5 U	5 U
Naphthalene		91-20-3	10*	5 U	5 U	5 U	5 U	5 U
Phenanthrene		85-01-8	50*	5 U	5 U	5 U	5 U	5 U
Pyrene		129-00-0	50*	5 U	5 U	5 U	5 U	5 U
Total PAH (17)		N/A	NE	4.8	ND	ND	ND	ND
Cyanides	ug/L							
Total Cyanide		57-12-5	200	30 J	71 J	310 J	19 J	20 J

**Table 2. Hornell Former MGP
Groundwater Analysis Results
National Fuel Gas
Hornell, NY**

Notes:

Analytes in blue are not detected in any sample

ug/L = micrograms per liter or parts per billion (ppb)

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

PAH = Polycyclic Aromatic Hydrocarbon

NYS AWQS = New York State Ambient Water Quality Standards and Guidance Values for GA groundwater

* indicates the value is a guidance value and not a standard

CAS No. = Chemical Abstracts Service Number

MGP = Manufactured Gas Plant

ND = Not Detected

NE = Not Established

Bolding indicates a detected result concentration

Shading and bolding indicates that the detected concentration is above the NYSDOH guidance it was compared to

Validation Qualifiers:

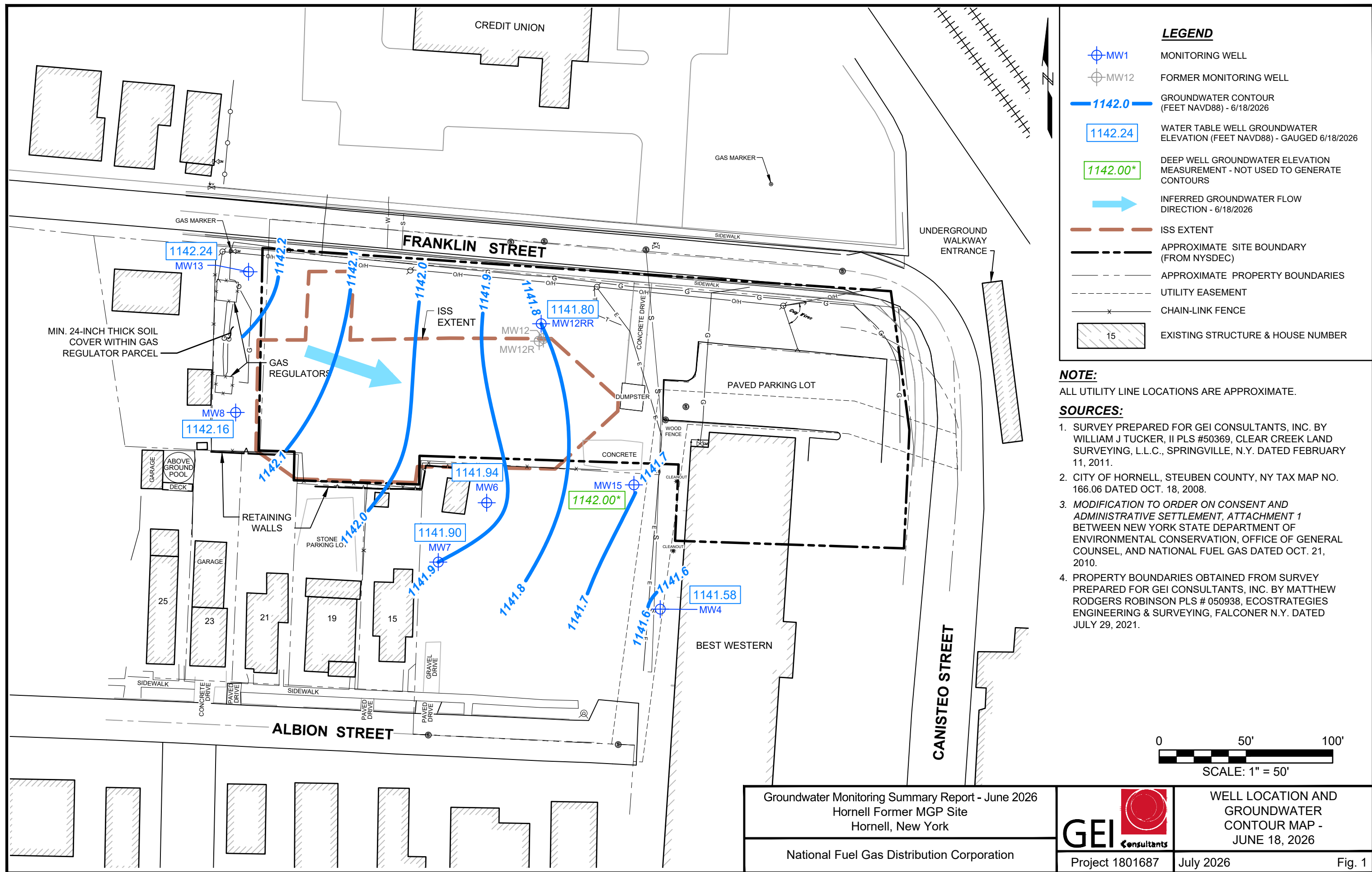
J = The result is an estimated value.

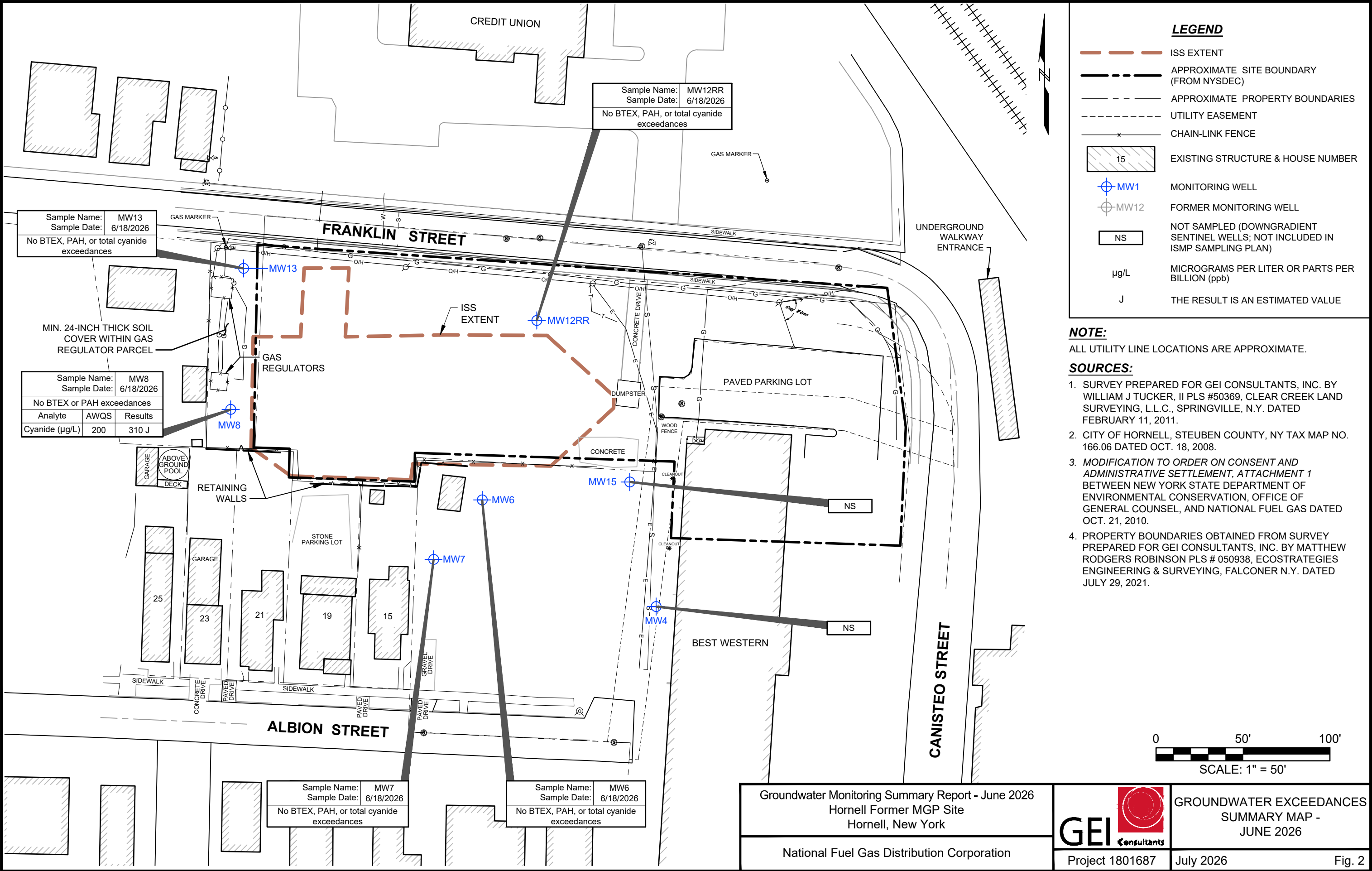
U = The result was not detected above the reporting limit.

Figures

Figure 1. Well Location and Groundwater Contour Map

Figure 2. Summary of NYS GW Exceedances – June 2026





Appendix A Chain-of-Custody Record and Form 1 Report Sheets

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Emily Dallas
GEI Consultants Inc
950 Danby Road
Suite 201-F
Ithaca, New York 14850

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JOB DESCRIPTION

NFG Hornell

JOB NUMBER

480-239679-1

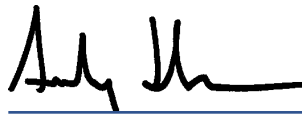
Eurofins Buffalo

Job Notes

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

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

Authorization



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Definitions/Glossary

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-239679-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

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

Glossary

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

Case Narrative

Client: GEI Consultants Inc
Project: NFG Hornell

Job ID: 480-239679-1

Job ID: 480-239679-1

Eurofins Buffalo

Job Narrative 480-239679-1

Receipt

The samples were received on 6/18/2026 4:10 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 8.4° C.

GC/MS VOA

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

GC/MS Semi VOA

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

General Chemistry

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

Organic Prep

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

Eurofins Buffalo

Detection Summary

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-239679-1

Client Sample ID: MW-12R

Lab Sample ID: 480-239679-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.019		0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-13

Lab Sample ID: 480-239679-2

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

Client Sample ID: MW-6

Lab Sample ID: 480-239679-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	1.8	J	5.0	0.41	ug/L	1		EPA 8270E	Total/NA
Fluorene	3.0	J	5.0	0.36	ug/L	1		EPA 8270E	Total/NA
Cyanide, Total	0.030	B F1	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-7

Lab Sample ID: 480-239679-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.071	B	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-8

Lab Sample ID: 480-239679-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.31	B	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: TB-061826

Lab Sample ID: 480-239679-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-239679-1

Client Sample ID: MW-12R

Lab Sample ID: 480-239679-1

Date Collected: 06/18/26 11:20

Matrix: Water

Date Received: 06/18/26 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			06/19/26 18:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/19/26 18:38	1
Toluene	ND		1.0	0.51	ug/L			06/19/26 18:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/19/26 18:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120					06/19/26 18:38	1
4-Bromofluorobenzene (Surr)	88		73 - 120					06/19/26 18:38	1
Dibromofluoromethane (Surr)	102		75 - 123					06/19/26 18:38	1
Toluene-d8 (Surr)	98		80 - 120					06/19/26 18:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		06/22/26 13:27	06/23/26 19:37	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/22/26 13:27	06/23/26 19:37	1
Anthracene	ND		5.0	0.28	ug/L		06/22/26 13:27	06/23/26 19:37	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		06/22/26 13:27	06/23/26 19:37	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		06/22/26 13:27	06/23/26 19:37	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		06/22/26 13:27	06/23/26 19:37	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		06/22/26 13:27	06/23/26 19:37	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		06/22/26 13:27	06/23/26 19:37	1
Chrysene	ND		5.0	0.33	ug/L		06/22/26 13:27	06/23/26 19:37	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/22/26 13:27	06/23/26 19:37	1
Fluoranthene	ND		5.0	0.40	ug/L		06/22/26 13:27	06/23/26 19:37	1
Fluorene	ND		5.0	0.36	ug/L		06/22/26 13:27	06/23/26 19:37	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		06/22/26 13:27	06/23/26 19:37	1
Naphthalene	ND		5.0	0.76	ug/L		06/22/26 13:27	06/23/26 19:37	1
Phenanthrene	ND		5.0	0.44	ug/L		06/22/26 13:27	06/23/26 19:37	1
Pyrene	ND		5.0	0.34	ug/L		06/22/26 13:27	06/23/26 19:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	94		53 - 126				06/22/26 13:27	06/23/26 19:37	1
Nitrobenzene-d5 (Surr)	70		29 - 129				06/22/26 13:27	06/23/26 19:37	1
p-Terphenyl-d14 (Surr)	98		33 - 132				06/22/26 13:27	06/23/26 19:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.019		0.010	0.0041	mg/L			06/24/26 21:37	1

Client Sample ID: MW-13

Lab Sample ID: 480-239679-2

Date Collected: 06/18/26 13:10

Matrix: Water

Date Received: 06/18/26 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			06/19/26 19:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/19/26 19:01	1
Toluene	ND		1.0	0.51	ug/L			06/19/26 19:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/19/26 19:01	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-239679-1

Client Sample ID: MW-13

Lab Sample ID: 480-239679-2

Date Collected: 06/18/26 13:10

Matrix: Water

Date Received: 06/18/26 16:10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		06/19/26 19:01	1
4-Bromofluorobenzene (Surr)	87		73 - 120		06/19/26 19:01	1
Dibromofluoromethane (Surr)	105		75 - 123		06/19/26 19:01	1
Toluene-d8 (Surr)	94		80 - 120		06/19/26 19:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		06/22/26 13:27	06/23/26 20:03	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/22/26 13:27	06/23/26 20:03	1
Anthracene	ND		5.0	0.28	ug/L		06/22/26 13:27	06/23/26 20:03	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		06/22/26 13:27	06/23/26 20:03	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		06/22/26 13:27	06/23/26 20:03	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		06/22/26 13:27	06/23/26 20:03	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		06/22/26 13:27	06/23/26 20:03	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		06/22/26 13:27	06/23/26 20:03	1
Chrysene	ND		5.0	0.33	ug/L		06/22/26 13:27	06/23/26 20:03	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/22/26 13:27	06/23/26 20:03	1
Fluoranthene	ND		5.0	0.40	ug/L		06/22/26 13:27	06/23/26 20:03	1
Fluorene	ND		5.0	0.36	ug/L		06/22/26 13:27	06/23/26 20:03	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		06/22/26 13:27	06/23/26 20:03	1
Naphthalene	ND		5.0	0.76	ug/L		06/22/26 13:27	06/23/26 20:03	1
Phenanthrene	ND		5.0	0.44	ug/L		06/22/26 13:27	06/23/26 20:03	1
Pyrene	ND		5.0	0.34	ug/L		06/22/26 13:27	06/23/26 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	101		53 - 126	06/22/26 13:27	06/23/26 20:03	1
Nitrobenzene-d5 (Surr)	73		29 - 129	06/22/26 13:27	06/23/26 20:03	1
p-Terphenyl-d14 (Surr)	105		33 - 132	06/22/26 13:27	06/23/26 20:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.020		0.010	0.0041	mg/L			06/24/26 21:41	1

Client Sample ID: MW-6

Lab Sample ID: 480-239679-3

Date Collected: 06/18/26 11:00

Matrix: Water

Date Received: 06/18/26 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			06/19/26 19:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/19/26 19:24	1
Toluene	ND		1.0	0.51	ug/L			06/19/26 19:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/19/26 19:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		06/19/26 19:24	1
4-Bromofluorobenzene (Surr)	90		73 - 120		06/19/26 19:24	1
Dibromofluoromethane (Surr)	104		75 - 123		06/19/26 19:24	1
Toluene-d8 (Surr)	97		80 - 120		06/19/26 19:24	1

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Client Sample Results

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-239679-1

Client Sample ID: MW-6

Lab Sample ID: 480-239679-3

Date Collected: 06/18/26 11:00

Matrix: Water

Date Received: 06/18/26 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.8	J	5.0	0.41	ug/L		06/22/26 13:27	06/23/26 20:29	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/22/26 13:27	06/23/26 20:29	1
Anthracene	ND		5.0	0.28	ug/L		06/22/26 13:27	06/23/26 20:29	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		06/22/26 13:27	06/23/26 20:29	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		06/22/26 13:27	06/23/26 20:29	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		06/22/26 13:27	06/23/26 20:29	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		06/22/26 13:27	06/23/26 20:29	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		06/22/26 13:27	06/23/26 20:29	1
Chrysene	ND		5.0	0.33	ug/L		06/22/26 13:27	06/23/26 20:29	1
Dibenz[a,h]anthracene	ND		5.0	0.42	ug/L		06/22/26 13:27	06/23/26 20:29	1
Fluoranthene	ND		5.0	0.40	ug/L		06/22/26 13:27	06/23/26 20:29	1
Fluorene	3.0	J	5.0	0.36	ug/L		06/22/26 13:27	06/23/26 20:29	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		06/22/26 13:27	06/23/26 20:29	1
Naphthalene	ND		5.0	0.76	ug/L		06/22/26 13:27	06/23/26 20:29	1
Phenanthrene	ND		5.0	0.44	ug/L		06/22/26 13:27	06/23/26 20:29	1
Pyrene	ND		5.0	0.34	ug/L		06/22/26 13:27	06/23/26 20:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	102		53 - 126				06/22/26 13:27	06/23/26 20:29	1
Nitrobenzene-d5 (Surr)	77		29 - 129				06/22/26 13:27	06/23/26 20:29	1
p-Terphenyl-d14 (Surr)	105		33 - 132				06/22/26 13:27	06/23/26 20:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.030	B F1	0.010	0.0041	mg/L			06/24/26 22:07	1

Client Sample ID: MW-7

Lab Sample ID: 480-239679-4

Date Collected: 06/18/26 12:00

Matrix: Water

Date Received: 06/18/26 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			06/19/26 19:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/19/26 19:47	1
Toluene	ND		1.0	0.51	ug/L			06/19/26 19:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/19/26 19:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120					06/19/26 19:47	1
4-Bromofluorobenzene (Surr)	87		73 - 120					06/19/26 19:47	1
Dibromofluoromethane (Surr)	104		75 - 123					06/19/26 19:47	1
Toluene-d8 (Surr)	95		80 - 120					06/19/26 19:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		06/22/26 13:27	06/23/26 20:56	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/22/26 13:27	06/23/26 20:56	1
Anthracene	ND		5.0	0.28	ug/L		06/22/26 13:27	06/23/26 20:56	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		06/22/26 13:27	06/23/26 20:56	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		06/22/26 13:27	06/23/26 20:56	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		06/22/26 13:27	06/23/26 20:56	1

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Client Sample Results

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-239679-1

Client Sample ID: MW-7

Lab Sample ID: 480-239679-4

Date Collected: 06/18/26 12:00

Matrix: Water

Date Received: 06/18/26 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		06/22/26 13:27	06/23/26 20:56	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		06/22/26 13:27	06/23/26 20:56	1
Chrysene	ND		5.0	0.33	ug/L		06/22/26 13:27	06/23/26 20:56	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/22/26 13:27	06/23/26 20:56	1
Fluoranthene	ND		5.0	0.40	ug/L		06/22/26 13:27	06/23/26 20:56	1
Fluorene	ND		5.0	0.36	ug/L		06/22/26 13:27	06/23/26 20:56	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		06/22/26 13:27	06/23/26 20:56	1
Naphthalene	ND		5.0	0.76	ug/L		06/22/26 13:27	06/23/26 20:56	1
Phenanthrene	ND		5.0	0.44	ug/L		06/22/26 13:27	06/23/26 20:56	1
Pyrene	ND		5.0	0.34	ug/L		06/22/26 13:27	06/23/26 20:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	91		53 - 126	06/22/26 13:27	06/23/26 20:56	1
Nitrobenzene-d5 (Surr)	71		29 - 129	06/22/26 13:27	06/23/26 20:56	1
p-Terphenyl-d14 (Surr)	108		33 - 132	06/22/26 13:27	06/23/26 20:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.071	B	0.010	0.0041	mg/L			06/24/26 22:18	1

Client Sample ID: MW-8

Lab Sample ID: 480-239679-5

Date Collected: 06/18/26 13:00

Matrix: Water

Date Received: 06/18/26 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			06/19/26 20:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/19/26 20:11	1
Toluene	ND		1.0	0.51	ug/L			06/19/26 20:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/19/26 20:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		06/19/26 20:11	1
4-Bromofluorobenzene (Surr)	90		73 - 120		06/19/26 20:11	1
Dibromofluoromethane (Surr)	101		75 - 123		06/19/26 20:11	1
Toluene-d8 (Surr)	96		80 - 120		06/19/26 20:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		06/22/26 13:27	06/23/26 21:22	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/22/26 13:27	06/23/26 21:22	1
Anthracene	ND		5.0	0.28	ug/L		06/22/26 13:27	06/23/26 21:22	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		06/22/26 13:27	06/23/26 21:22	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		06/22/26 13:27	06/23/26 21:22	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		06/22/26 13:27	06/23/26 21:22	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		06/22/26 13:27	06/23/26 21:22	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		06/22/26 13:27	06/23/26 21:22	1
Chrysene	ND		5.0	0.33	ug/L		06/22/26 13:27	06/23/26 21:22	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/22/26 13:27	06/23/26 21:22	1
Fluoranthene	ND		5.0	0.40	ug/L		06/22/26 13:27	06/23/26 21:22	1
Fluorene	ND		5.0	0.36	ug/L		06/22/26 13:27	06/23/26 21:22	1

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Client Sample Results

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-239679-1

Client Sample ID: MW-8

Lab Sample ID: 480-239679-5

Date Collected: 06/18/26 13:00

Matrix: Water

Date Received: 06/18/26 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		06/22/26 13:27	06/23/26 21:22	1
Naphthalene	ND		5.0	0.76	ug/L		06/22/26 13:27	06/23/26 21:22	1
Phenanthrene	ND		5.0	0.44	ug/L		06/22/26 13:27	06/23/26 21:22	1
Pyrene	ND		5.0	0.34	ug/L		06/22/26 13:27	06/23/26 21:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	89		53 - 126				06/22/26 13:27	06/23/26 21:22	1
Nitrobenzene-d5 (Surr)	70		29 - 129				06/22/26 13:27	06/23/26 21:22	1
p-Terphenyl-d14 (Surr)	98		33 - 132				06/22/26 13:27	06/23/26 21:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.31	B	0.010	0.0041	mg/L			06/24/26 22:21	1

Client Sample ID: TB-061826

Lab Sample ID: 480-239679-6

Date Collected: 06/18/26 00:00

Matrix: Water

Date Received: 06/18/26 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			06/19/26 20:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/19/26 20:34	1
Toluene	ND		1.0	0.51	ug/L			06/19/26 20:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/19/26 20:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120					06/19/26 20:34	1
4-Bromofluorobenzene (Surr)	88		73 - 120					06/19/26 20:34	1
Dibromofluoromethane (Surr)	103		75 - 123					06/19/26 20:34	1
Toluene-d8 (Surr)	96		80 - 120					06/19/26 20:34	1

Surrogate Summary

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-239679-1

Method: EPA 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-239679-1	MW-12R	101	88	102	98
480-239679-2	MW-13	103	87	105	94
480-239679-3	MW-6	107	90	104	97
480-239679-4	MW-7	106	87	104	95
480-239679-5	MW-8	100	90	101	96
480-239679-6	TB-061826	102	88	103	96
LCS 480-778684/5	Lab Control Sample	97	92	96	98
MB 480-778684/7	Method Blank	102	92	101	99

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (53-126)	NBZ (29-129)	TPHd14 (33-132)
480-239679-1	MW-12R	94	70	98
480-239679-2	MW-13	101	73	105
480-239679-3	MW-6	102	77	105
480-239679-4	MW-7	91	71	108
480-239679-5	MW-8	89	70	98
LCS 480-778907/2-A	Lab Control Sample	113	94	114
MB 480-778907/1-A	Method Blank	94	75	122

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

QC Sample Results

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-239679-1

Method: EPA 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-778684/7

Matrix: Water

Analysis Batch: 778684

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			06/19/26 12:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/19/26 12:44	1
Toluene	ND		1.0	0.51	ug/L			06/19/26 12:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/19/26 12:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		06/19/26 12:44	1
4-Bromofluorobenzene (Surr)	92		73 - 120		06/19/26 12:44	1
Dibromofluoromethane (Surr)	101		75 - 123		06/19/26 12:44	1
Toluene-d8 (Surr)	99		80 - 120		06/19/26 12:44	1

Lab Sample ID: LCS 480-778684/5

Matrix: Water

Analysis Batch: 778684

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	23.5		ug/L		94	71 - 124
Ethylbenzene	25.0	22.2		ug/L		89	77 - 123
Toluene	25.0	23.4		ug/L		94	80 - 122
Xylenes, Total	50.0	46.4		ug/L		93	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		77 - 120
4-Bromofluorobenzene (Surr)	92		73 - 120
Dibromofluoromethane (Surr)	96		75 - 123
Toluene-d8 (Surr)	98		80 - 120

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

Lab Sample ID: MB 480-778907/1-A

Matrix: Water

Analysis Batch: 778995

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 778907

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		06/22/26 13:27	06/23/26 14:24	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/22/26 13:27	06/23/26 14:24	1
Anthracene	ND		5.0	0.28	ug/L		06/22/26 13:27	06/23/26 14:24	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		06/22/26 13:27	06/23/26 14:24	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		06/22/26 13:27	06/23/26 14:24	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		06/22/26 13:27	06/23/26 14:24	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		06/22/26 13:27	06/23/26 14:24	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		06/22/26 13:27	06/23/26 14:24	1
Chrysene	ND		5.0	0.33	ug/L		06/22/26 13:27	06/23/26 14:24	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/22/26 13:27	06/23/26 14:24	1
Fluoranthene	ND		5.0	0.40	ug/L		06/22/26 13:27	06/23/26 14:24	1
Fluorene	ND		5.0	0.36	ug/L		06/22/26 13:27	06/23/26 14:24	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		06/22/26 13:27	06/23/26 14:24	1
Naphthalene	ND		5.0	0.76	ug/L		06/22/26 13:27	06/23/26 14:24	1

Eurofins Buffalo

QC Sample Results

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-239679-1

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

Lab Sample ID: MB 480-778907/1-A

Matrix: Water

Analysis Batch: 778995

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 778907

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		5.0	0.44	ug/L		06/22/26 13:27	06/23/26 14:24	1
Pyrene	ND		5.0	0.34	ug/L		06/22/26 13:27	06/23/26 14:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	94		53 - 126	06/22/26 13:27	06/23/26 14:24	1
Nitrobenzene-d5 (Surr)	75		29 - 129	06/22/26 13:27	06/23/26 14:24	1
p-Terphenyl-d14 (Surr)	122		33 - 132	06/22/26 13:27	06/23/26 14:24	1

Lab Sample ID: LCS 480-778907/2-A

Matrix: Water

Analysis Batch: 778995

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 778907

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	32.0	35.5		ug/L		111	60 - 120
Acenaphthylene	32.0	34.3		ug/L		107	63 - 120
Anthracene	32.0	36.6		ug/L		115	67 - 120
Benzo[a]anthracene	32.0	35.6		ug/L		111	70 - 121
Benzo[a]pyrene	32.0	34.2		ug/L		107	60 - 123
Benzo[b]fluoranthene	32.0	35.0		ug/L		110	66 - 126
Benzo[g,h,i]perylene	32.0	33.7		ug/L		105	66 - 150
Benzo[k]fluoranthene	32.0	36.0		ug/L		113	65 - 124
Chrysene	32.0	35.1		ug/L		110	69 - 120
Dibenz[a,h]anthracene	32.0	35.0		ug/L		109	65 - 135
Fluoranthene	32.0	37.1		ug/L		116	69 - 126
Fluorene	32.0	37.2		ug/L		116	66 - 120
Indeno[1,2,3-cd]pyrene	32.0	35.1		ug/L		110	69 - 146
Naphthalene	32.0	28.6		ug/L		89	57 - 120
Phenanthrene	32.0	34.8		ug/L		109	68 - 120
Pyrene	32.0	36.0		ug/L		113	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	113		53 - 126
Nitrobenzene-d5 (Surr)	94		29 - 129
p-Terphenyl-d14 (Surr)	114		33 - 132

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

Lab Sample ID: MB 480-779267/21

Matrix: Water

Analysis Batch: 779267

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0041	mg/L			06/24/26 20:24	1

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QC Sample Results

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-239679-1

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

Lab Sample ID: MB 480-779267/47

Matrix: Water

Analysis Batch: 779267

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.00620	J	0.010	0.0041	mg/L			06/24/26 21:59	1

Lab Sample ID: HLCS 480-779267/22

Matrix: Water

Analysis Batch: 779267

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.386		mg/L		96	90 - 110

Lab Sample ID: LCS 480-779267/23

Matrix: Water

Analysis Batch: 779267

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.235		mg/L		94	90 - 110

Lab Sample ID: LCS 480-779267/48

Matrix: Water

Analysis Batch: 779267

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.256		mg/L		102	90 - 110

Lab Sample ID: LLCS 480-779267/24

Matrix: Water

Analysis Batch: 779267

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0100	0.0126		mg/L		126	50 - 150

Lab Sample ID: 480-239679-3 MS

Matrix: Water

Analysis Batch: 779267

Client Sample ID: MW-6

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.030	B F1	0.100	0.112	F1	mg/L		82	90 - 110

Lab Sample ID: 480-239679-3 MSD

Matrix: Water

Analysis Batch: 779267

Client Sample ID: MW-6

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Cyanide, Total	0.030	B F1	0.100	0.112	F1	mg/L		83	90 - 110	1 15

QC Association Summary

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-239679-1

GC/MS VOA

Analysis Batch: 778684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-239679-1	MW-12R	Total/NA	Water	EPA 8260D	
480-239679-2	MW-13	Total/NA	Water	EPA 8260D	
480-239679-3	MW-6	Total/NA	Water	EPA 8260D	
480-239679-4	MW-7	Total/NA	Water	EPA 8260D	
480-239679-5	MW-8	Total/NA	Water	EPA 8260D	
480-239679-6	TB-061826	Total/NA	Water	EPA 8260D	
MB 480-778684/7	Method Blank	Total/NA	Water	EPA 8260D	
LCS 480-778684/5	Lab Control Sample	Total/NA	Water	EPA 8260D	

GC/MS Semi VOA

Prep Batch: 778907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-239679-1	MW-12R	Total/NA	Water	3510C	
480-239679-2	MW-13	Total/NA	Water	3510C	
480-239679-3	MW-6	Total/NA	Water	3510C	
480-239679-4	MW-7	Total/NA	Water	3510C	
480-239679-5	MW-8	Total/NA	Water	3510C	
MB 480-778907/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-778907/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 778995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-239679-1	MW-12R	Total/NA	Water	EPA 8270E	778907
480-239679-2	MW-13	Total/NA	Water	EPA 8270E	778907
480-239679-3	MW-6	Total/NA	Water	EPA 8270E	778907
480-239679-4	MW-7	Total/NA	Water	EPA 8270E	778907
480-239679-5	MW-8	Total/NA	Water	EPA 8270E	778907
MB 480-778907/1-A	Method Blank	Total/NA	Water	EPA 8270E	778907
LCS 480-778907/2-A	Lab Control Sample	Total/NA	Water	EPA 8270E	778907

General Chemistry

Analysis Batch: 779267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-239679-1	MW-12R	Total/NA	Water	9012B	
480-239679-2	MW-13	Total/NA	Water	9012B	
480-239679-3	MW-6	Total/NA	Water	9012B	
480-239679-4	MW-7	Total/NA	Water	9012B	
480-239679-5	MW-8	Total/NA	Water	9012B	
MB 480-779267/21	Method Blank	Total/NA	Water	9012B	
MB 480-779267/47	Method Blank	Total/NA	Water	9012B	
HLCS 480-779267/22	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-779267/23	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-779267/48	Lab Control Sample	Total/NA	Water	9012B	
LLCS 480-779267/24	Lab Control Sample	Total/NA	Water	9012B	
480-239679-3 MS	MW-6	Total/NA	Water	9012B	
480-239679-3 MSD	MW-6	Total/NA	Water	9012B	

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Lab Chronicle

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-239679-1

Client Sample ID: MW-12R

Lab Sample ID: 480-239679-1

Date Collected: 06/18/26 11:20

Matrix: Water

Date Received: 06/18/26 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 8260D		1	778684	LCH	EET BUF	06/19/26 18:38
Total/NA	Prep	3510C			778907	LSC	EET BUF	06/22/26 13:27
Total/NA	Analysis	EPA 8270E		1	778995	JMM	EET BUF	06/23/26 19:37
Total/NA	Analysis	9012B		1	779267	IMZ	EET BUF	06/24/26 21:37

Client Sample ID: MW-13

Lab Sample ID: 480-239679-2

Date Collected: 06/18/26 13:10

Matrix: Water

Date Received: 06/18/26 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 8260D		1	778684	LCH	EET BUF	06/19/26 19:01
Total/NA	Prep	3510C			778907	LSC	EET BUF	06/22/26 13:27
Total/NA	Analysis	EPA 8270E		1	778995	JMM	EET BUF	06/23/26 20:03
Total/NA	Analysis	9012B		1	779267	IMZ	EET BUF	06/24/26 21:41

Client Sample ID: MW-6

Lab Sample ID: 480-239679-3

Date Collected: 06/18/26 11:00

Matrix: Water

Date Received: 06/18/26 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 8260D		1	778684	LCH	EET BUF	06/19/26 19:24
Total/NA	Prep	3510C			778907	LSC	EET BUF	06/22/26 13:27
Total/NA	Analysis	EPA 8270E		1	778995	JMM	EET BUF	06/23/26 20:29
Total/NA	Analysis	9012B		1	779267	IMZ	EET BUF	06/24/26 22:07

Client Sample ID: MW-7

Lab Sample ID: 480-239679-4

Date Collected: 06/18/26 12:00

Matrix: Water

Date Received: 06/18/26 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 8260D		1	778684	LCH	EET BUF	06/19/26 19:47
Total/NA	Prep	3510C			778907	LSC	EET BUF	06/22/26 13:27
Total/NA	Analysis	EPA 8270E		1	778995	JMM	EET BUF	06/23/26 20:56
Total/NA	Analysis	9012B		1	779267	IMZ	EET BUF	06/24/26 22:18

Client Sample ID: MW-8

Lab Sample ID: 480-239679-5

Date Collected: 06/18/26 13:00

Matrix: Water

Date Received: 06/18/26 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 8260D		1	778684	LCH	EET BUF	06/19/26 20:11
Total/NA	Prep	3510C			778907	LSC	EET BUF	06/22/26 13:27
Total/NA	Analysis	EPA 8270E		1	778995	JMM	EET BUF	06/23/26 21:22
Total/NA	Analysis	9012B		1	779267	IMZ	EET BUF	06/24/26 22:21

Eurofins Buffalo

Lab Chronicle

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-239679-1

Client Sample ID: TB-061826
Date Collected: 06/18/26 00:00
Date Received: 06/18/26 16:10

Lab Sample ID: 480-239679-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 8260D		1	778684	LCH	EET BUF	06/19/26 20:34

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

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Accreditation/Certification Summary

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-239679-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-27

- 1
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Method Summary

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-239679-1

Method	Method Description	Protocol	Laboratory
EPA 8260D	Volatile Organic Compounds by GC/MS	SW846	EET BUF
EPA 8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
9012B	Cyanide, Total and/or Amenable	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-239679-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-239679-1	MW-12R	Water	06/18/26 11:20	06/18/26 16:10	New York
480-239679-2	MW-13	Water	06/18/26 13:10	06/18/26 16:10	New York
480-239679-3	MW-6	Water	06/18/26 11:00	06/18/26 16:10	New York
480-239679-4	MW-7	Water	06/18/26 12:00	06/18/26 16:10	New York
480-239679-5	MW-8	Water	06/18/26 13:00	06/18/26 16:10	New York
480-239679-6	TB-061826	Water	06/18/26 00:00	06/18/26 16:10	New York

Chain of Custody Record



Client Information		Sampler		Lab PM:		Carrier Tracking No(s):		COC No:	
Client Contact: Michelle Hadden Emily Dallas		Phone: 716-572-4362		E-Mail: Andy.Johnson@eurofins.com		State of Origin:		480-214815-41609.1	
Company: GEI Consultants Inc		FWSID:		Analysis Requested		Job #:		Page 1 of 1	
Address: 950 Danby Road Suite 201-F		Due Date Requested: see work order		TAT Requested (days): Standard		Compliance Project: Δ Yes Δ No		Preservation Codes: B NaOH N None A HCL	
City: Ithaca		PO #: 301		WO #: 1801687		Matrix (Wet, Solid, Organic, Gaseous, etc.)		Other:	
State, Zip: NY 14850		Project Name: NFG Horrell		Project #: 48027937		Sample Type (C=Comp, G=Grab)		Total Number of Containers	
Phone: 716-572-4362		Email: johnson@eurofins.com edallas@eurofins.com		SSOW#: Send all emails to edallas@eurofins.com, mcmurray@eurofins.com, easton@eurofins.com		Sample Date		Special Instructions/Note:	
Sample Identification		Sample Time		Sample Date		Preservation Code		Special Instructions/Note:	
MW-12B	6/18/26 11:20	3	Water	N	1	2	3	6	
MW-13	6/18/26 13:10	3	Water	N	1	2	3	6	
MW-6	6/18/26 11:00	3	Water	N	1	2	3	6	
MW-7	6/18/26 12:00	3	Water	N	1	2	3	6	
MW-8	6/18/26 13:00	3	Water	N	1	2	3	6	
TR-061826	6/18/26		Water	N				2	
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological									
Deliverable Requested: I, II, III, IV Other (specify)									
Empty Kit Relinquished by: _____ Date: _____ Time: _____									
Relinquished by: Michelle Hadden Date/Time: 6/18/26 16:10 Company: GEI									
Relinquished by: _____ Date/Time: _____ Company: _____									
Relinquished by: _____ Date/Time: _____ Company: _____									
Custody Seals Intact: Δ Yes Δ No Custody Seal No. _____									

Login Sample Receipt Checklist

Client: GEI Consultants Inc

Job Number: 480-239679-1

Login Number: 239679

List Source: Eurofins Buffalo

List Number: 1

Creator: Fuller Gustavel, Colm

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

Appendix B Data Usability Summary Report



DATA USABILITY SUMMARY REPORT

NATIONAL FUEL GAS - HORNELL

EUROFINS, AMHERST, NY

480-239679-1

BETHANY RUSSELL

JULY 6, 2026

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SAMPLES REVIEWED AND EVALUATION SUMMARY

<i>Field ID</i>	<i>Lab ID</i>	<i>Fractions Validated</i>
MW-12R	480-239679-1	BTEX, PAH, Total Cyanide
MW-13	480-239679-2	BTEX, PAH, Total Cyanide
MW-6	480-239679-3	BTEX, PAH, Total Cyanide
MW-7	480-239679-4	BTEX, PAH, Total Cyanide
MW-8	480-239679-5	BTEX, PAH, Total Cyanide
TB-061826	480-239679-6	BTEX

Associated QC Samples:

Field/Trip Blanks: TB-061826

Field Duplicate Pair: None associated

Matrix: Aqueous ☒ Solid ☐ Air ☐

Collection Date: June 18, 2026

Methods: Benzene, toluene, ethylbenzene, xylene (BTEX) volatile organic compounds (VOC) by SW-846 method 8260D, polycyclic aromatic hydrocarbons (PAH) semivolatile organic compounds (SVOC) by SW-846 method 8270E, total cyanide by SW-846 method 9012B

USEPA Region 2 ☒ National Functional Guidelines ☐ Other ☐

The Level 4 validation was performed in accordance with the following standard operating procedures, as well as by the methods referenced by the data package and professional and technical judgement: SOP for *Validation of Volatile Data* QA-HWSS-A-004 (March 2022), SOP for *Validation of Semivolatile Data* QA-HWSS-A-005 (April 2022), SOP for *Cyanide Data Validation* QA-HWSS-A-012 (March 2022).

The data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) and Laboratory Duplicate Results
- Internal Standard Results
- Field Duplicate Results
- Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
- Serial Dilution Results
- Quantitation Limits
- Sample Quantitation and Compound Identification
- Additional Nonconformances

All results appear usable as reported or usable with minor qualifications due to uncertainty for levels below the reporting limit, blank contamination and MS/MSD recovery exceedances. These results were considered valid; even though some were qualified as discussed below.

The validation findings were based on the following information.

DATA COMPLETENESS

The data package was complete as received by the laboratory: Yes ☒ No ☐

HOLDING TIMES AND SAMPLE PRESERVATION

All criteria were met: Yes ☒ No ☐

Hold time criteria that were not met are summarized in the following table.

Sample	Analysis	Hold Time Exceedance	Validation Action
NA	NA	NA	NA

GCMS TUNES

Not applicable: ☐

All Criteria were met: Yes ☒ No ☐

INITIAL AND CONTINUING CALIBRATIONS

All initial and continuing calibration criteria were met: Yes ☒ No ☐

Analytes that did not meet criteria in the initial and continuing calibrations are summarized in the following table.

Instrument/ Calibration Standard	Analyte	Calibration Exceedance	Control Limit	Validation Action
Analysis				
NA	NA	NA	NA	
Associated samples: NA				

BLANKS

Contamination was ☒ was not ☐ detected in the laboratory, instrument, method, field, or trip blank samples.

Contamination detected in blank samples is summarized in the following table.

Analyte	Blank ID/ Associated Samples	Concentration Detected	2X Action Level	10X Action Level	Validation Action
Total cyanide	CCB 6/24/26 20:13/ MW-12R, MW-13, MW-6, MW-7, MW-8	0.009 mg/L	0.018 mg/L	0.09 mg/L	Estimate (J) the detect results in samples MW-12R, MW-13, MW-6, and MW-7. High bias.

Blank Actions:

If the sample result is < RL; report the result as nondetect (U) at the reporting limit (RL).

If the sample result is ≥ RL and <2x blank contamination detected; report the result as nondetect (U) at the reported value.

If the sample result is ≥ RL and < 10x Action Level; professional judgment was taken to report the sample result as estimated (J); biased high.

If the sample result is nondetect or > 10x Action Level; validation action is not required.

SURROGATE RECOVERIES

Not Applicable: ☐

All criteria were met: Yes ☒ No ☐

Samples that did not meet surrogate recovery criteria are summarized in the table below.

Sample	Surrogate	Recovery (%)	Control Limits (%)	Validation Action/Bias
Analysis				
NA	NA	NA	NA	NA

MS/MSD AND LABORATORY DUPLICATE RESULTS

Criteria were met: Yes ☐ No ☒ Not Applicable ☐

☐ Batch (non-project) MS/MSDs were reported for ***. Results from these analyses were not used to qualify project samples due to differences in sample type, matrix, etc.

☒ MS/MSD analyses were performed on sample MW-6 for total cyanide.

Recovery and precision criteria that were not met are summarized in the following table.

MS/MSD Sample MW-6					
Analyte	MS (%)	MSD (%)	RPD (%)	Control Limits	Validation Action/Bias
Total Cyanide					
Total Cyanide	82	83	-	90-110	Estimate (J) the detect results in samples MW-12R, MW-13, MW-6, MW-7, and MW-8. Low bias.
- Criteria met					

INTERNAL STANDARD RESULTS

Criteria were met: Yes ☒ No ☐

Internal standard criteria that were not met are summarized in the following table.

Sample	Internal Standard	Recovery (%)	Control Limits (%)	Validation Action/Bias
Analysis				
NA	NA	NA	NA	NA

FIELD DUPLICATE RESULTS

Not applicable: ☒

Samples *** and *** were identified as the field duplicate pair. The following table summarizes the RPDs of the detected analytes in the field duplicate pair, which were within the acceptance criteria. RPDs which were not within acceptance criteria were bolded and the sample results were qualified as estimated (J/UJ) with indeterminate bias.

Analyte	Parent Sample (ug/L)	Duplicate (ug/L)	RPD (%)
NA	NA	NA	NA
NC – Not calculable Criteria: When both results are $\geq 5x$ the RL, RPDs must be $< 30\%$ ☐ $< 50\%$ ☐ When results are $< 5x$ the RL, the absolute difference between the original and field duplicate must be $< 2xRL$ ☐ $< 5xRL$ ☐			

LCS/LCSD RESULTS

Criteria were met: Yes ☒ No ☐

LCS/LCSD recovery and precision criteria that were not met are summarized in the following table.

Compound	Recovery (%)	RPD (%)	Control Limits (%)	LCS ID	Validation Action/Bias
Analysis					
NA	NA	NA	NA	NA	NA
Associated samples: NA					
- Criteria met					

SERIAL DILUTION RESULTS

Not applicable: ☒

Criteria were met: Yes ☐ No ☐

Serial dilution precision criteria that were not met are summarized in the following table.

Sample	Analyte	RPD (%)	Control Limit (%)	Validation Action
NA	NA	NA	NA	NA
Associated samples: NA				

QUANTITATION LIMITS

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL): Yes ☒ No ☐

If detected, these results were qualified as estimated (J) by the laboratory. The direction of the bias is indeterminate for these results.

Sample dilutions and re-analyses performed are summarized in the following table.

Sample	Analysis	Dilution/Re-analyses Performed
NA	NA	NA

SAMPLE QUANTITATION AND COMPOUND IDENTIFICATION

Compound Identification criteria were met: Yes ☒ No ☐

Calculations were checked, calculation discrepancies were not noted: Yes ☒ No ☐

ADDITIONAL NONCONFORMANCES

Additional nonconformances were noted: Yes ☐ No ☒

Sample moisture content criteria of greater than 30% solids was met: Yes ☐ No ☐ Not Applicable ☒

DATA VALIDATION QUALIFIERS

- U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified “J” data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The ‘J’ data may be biased high or low or the direction of the bias may be indeterminable.
- UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified “UJ” data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The ‘UJ’ data may be biased low.
- JN - The analysis indicates the presence of a compound that has been “tentatively identified” (N) and the associated numerical value represents its approximate (J) concentration.
- R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

Appendix C Pre- and Post-Remedial Groundwater Data Table

Hornell Former MGP Site
Pre- and Post-Remediation Groundwater Analytical Results
National Fuel Gas
Hornell, NY

				Pre-Remediation	Post-Remediation							
		Sample Name		MW6	MW6	MW6	MW6	MW6	MW6	MW6	MW6	MW6
Analyte	Units	CAS No.	Sample Date	8/18/2020	8/13/2024	11/25/2024	3/18/2025	6/3/2025	9/11/2025	12/15/2025	3/19/2026	6/18/2026
NYS AWQS												
BTEX												
Benzene	ug/L	71-43-2	1	1 U	0.41 J	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
o-Xylene		95-47-6	5	--	1 U	--	--	--	--	--	--	--
m/p-Xylene		179601-23-1	5	--	2 U	--	--	--	--	--	--	--
Total Xylene		1330-20-7	5	3 U	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U
Total BTEX		NE	NE	ND	0.41	ND	ND	ND	ND	ND	ND	ND
PAHs												
Acenaphthene	ug/L	83-32-9	20*	4.7	5.3	6.7	6.2	4.9 J	6.3 J	2.5 J	5.3	1.8 J
Acenaphthylene		208-96-8	NE	1.1	1.7 J	2.2 J	1.9 J	1.3 J	1.7 J	0.76 J	1.5 J	5.0 U
Anthracene		120-12-7	50*	0.13	5 U	5 U	5 U	5.4 U	5.4 UJ	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene		56-55-3	0.002*	0.02 U	5 U	5 U	5 U	5.4 U	5.4 UJ	5.0 U	5.0 U	5.0 U
Benzo(b)fluoranthene		205-99-2	0.002*	0.02 U	5 U	5 U	5 U	5.4 U	5.4 UJ	5.0 U	5.0 U	5.0 U
Benzo(k)fluoranthene		207-08-9	0.002*	0.02 U	5 U	5 U	5 U	5.4 U	5.4 UJ	5.0 U	5.0 U	5.0 U
Benzo(g,h,i)perylene		191-24-2	NE	0.02 U	5 U	5 U	5 U	5.4 U	5.4 UJ	5.0 U	5.0 U	5.0 U
Benzo(a)pyrene		50-32-8	ND	0.02 U	5 U	5 U	5 U	5.4 U	5.4 UJ	5.0 U	5.0 U	5.0 U
Chrysene		218-01-9	0.002*	0.02 U	5 U	5 U	5 U	5.4 U	5.4 UJ	5.0 U	5.0 U	5.0 U
Dibenz(a,h)anthracene		53-70-3	NE	0.02 U	5 U	5 U	5 U	5.4 U	5.4 UJ	5.0 U	5.0 U	5.0 U
Fluoranthene		206-44-0	50*	0.18	5 U	5 U	5 U	5.4 U	5.4 UJ	5.0 U	0.47 J	5.0 U
Fluorene		86-73-7	50*	3.1	5.4 J	7.1	6.4	5.4	5.9 J	2.7 J	5.2	3.0 J
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	0.02 U	5 U	5 U	5 U	5.4 U	5.4 UJ	5.0 U	5.0 U	5.0 U
Naphthalene		91-20-3	10*	0.15	5 U	5 U	5 U	5.4 U	5.4 UJ	5.0 U	5.0 U	5.0 U
Phenanthrene		85-01-8	50*	0.23	5 U	5 U	5 U	5.4 U	5.4 UJ	5.0 U	5.0 U	5.0 U
Pyrene		129-00-0	50*	0.085	5 U	5 U	5 U	5.4 U	5.4 UJ	5.0 U	5.0 U	5.0 U
Total PAHs		NE	NE	9.675	12.4	16	14.5	11.6	13.9 J	5.96 J	12.47	4.8 J
Cyanides												
Total Cyanide	ug/L	57-12-5	200	10 U	43	31	45 J	48 J	19 J	21 J	35 J	30 J
Dissolved Metals												
Iron	ug/L	7439-89-6	300	30.2 J	--	1500	--	--	--	1200	--	--
Manganese		7439-96-5	300	725	--	520	--	--	--	620	--	--
Total Metals												
Iron	ug/L	7439-89-6	300	4900	--	2200	--	--	--	4,300	--	--
Manganese		7439-96-5	300	758	--	550	--	--	--	660	--	--
Other												
Alkalinity	ug/L	NE	NE	--	--	307000 J	--	--	--	312,000	--	--
Ammonia		7664-41-7	2000	--	--	820	--	--	--	130	--	--
Dissolved Organic Carbon		NE	NE	--	--	690 J	--	--	--	1000 U	--	--
Methane		74-82-8	NE	37.8	--	61	--	--	--	64	--	--
Nitrate as Nitrogen		14797-55-8	10000	--	--	340 J	--	--	--	950	--	--
Nitrite as Nitrogen		14797-65-0	1000	50 U	--	50 R	--	--	--	22 J	--	--
Nitrate and Nitrite as Nitrogen		NE	10000	--	--	340 J	--	--	--	972 J	--	--
Total Nitrogen		7727-37-9	NE	280	--	--	--	--	--	--	--	--
Sulfate		14808-79-8	250000	24800	--	39700	--	--	--	37,200	--	--
Total Organic Carbon		NE	NE	--	--	740 J	--	--	--	470 J	--	--

Hornell Former MGP Site
Pre- and Post-Remediation Groundwater Analytical Results
National Fuel Gas
Hornell, NY

				Pre-Remediation	Post-Remediation							
		Sample Name		MW7	MW7	MW7	MW7	MW7	MW7	MW7	MW7	MW7
		Sample Date		8/18/2020	8/13/2024	11/25/2024	3/18/2025	6/3/2025	9/11/2025	12/15/2025	3/19/2026	6/18/2026
Analyte	Units	CAS No.	NYS AWQS									
BTEX	ug/L											
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
o-Xylene		95-47-6	5	--	1 U	--	--	--	--	--	--	--
m/p-Xylene		179601-23-1	5	--	2 U	--	--	--	--	--	--	--
Total Xylene		1330-20-7	5	3 U	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U
Total BTEX		NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs	ug/L											
Acenaphthene		83-32-9	20*	0.02 U	5.2 U	5 U	5 U	5.2 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Acenaphthylene		208-96-8	NE	0.02 U	5.2 U	5 U	5 U	5.2 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Anthracene		120-12-7	50*	0.02 U	5.2 U	5 U	5 U	5.2 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene		56-55-3	0.002*	0.02 U	5.2 U	5 U	5 U	5.2 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Benzo(b)fluoranthene		205-99-2	0.002*	0.02 U	5.2 U	5 U	5 U	5.2 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Benzo(k)fluoranthene		207-08-9	0.002*	0.02 U	5.2 U	5 U	5 U	5.2 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Benzo(g,h,i)perylene		191-24-2	NE	0.02 U	5.2 U	5 U	5 U	5.2 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Benzo(a)pyrene		50-32-8	ND	0.02 U	5.2 U	5 U	5 U	5.2 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Chrysene		218-01-9	0.002*	0.02 U	5.2 U	5 U	5 U	5.2 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Dibenz(a,h)anthracene		53-70-3	NE	0.02 U	5.2 U	5 U	5 U	5.2 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Fluoranthene		206-44-0	50*	0.02 U	5.2 U	5 U	5 U	5.2 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Fluorene		86-73-7	50*	0.02 U	5.2 U	5 U	5 U	5.2 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	0.02 U	5.2 U	5 U	5 U	5.2 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Naphthalene		91-20-3	10*	0.02 U	5.2 U	5 U	5 U	5.2 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Phenanthrene		85-01-8	50*	0.02 U	5.2 U	5 U	5 U	5.2 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Pyrene		129-00-0	50*	0.02 U	5.2 U	5 U	5 U	5.2 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Total PAHs		NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanides	ug/L											
Total Cyanide		57-12-5	200	10 U	190	260	190 J	100	100 J	300 J	190	71 J
Dissolved Metals	ug/L											
Iron		7439-89-6	300	140	--	100 J	--	--	--	150 J	--	--
Manganese		7439-96-5	300	61.4	--	7.6	--	--	--	6.4 J	--	--
Total Metals	ug/L											
Iron		7439-89-6	300	1840	--	140 J	--	--	--	190	--	--
Manganese		7439-96-5	300	125	--	14	--	--	--	12	--	--
Other	ug/L											
Alkalinity		NE	NE	--	--	321000 J	--	--	--	318,000	--	--
Ammonia		7664-41-7	2000	--	--	860	--	--	--	20 U	--	--
Dissolved Organic Carbon		NE	NE	--	--	910 J	--	--	--	1,000 U	--	--
Methane		74-82-8	NE	1 U	--	4 U	--	--	--	4 U	--	--
Nitrate as Nitrogen		14797-55-8	10000	--	--	4000 J	--	--	--	2,000	--	--
Nitrite as Nitrogen		14797-65-0	1000	50 U	--	50 R	--	--	--	50 U	--	--
Nitrate and Nitrite as Nitrogen		NE	10000	--	--	4000 J	--	--	--	2,000	--	--
Total Nitrogen		7727-37-9	NE	6500	--	--	--	--	--	--	--	--
Sulfate		14808-79-8	250000	33600	--	29200	--	--	--	33,800	--	--
Total Organic Carbon		NE	NE	--	--	950 J	--	--	--	440 J	--	--

Hornell Former MGP Site
Pre- and Post-Remediation Groundwater Analytical Results
National Fuel Gas
Hornell, NY

				Pre-Remediation	Post-Remediation							
		Sample Name		MW8	MW8	MW8	MW8	MW8	MW8	MW8	MW8	MW8
Analyte	Units	CAS No.	Sample Date	8/18/2020	8/13/2024	11/25/2024	3/18/2025	6/3/2025	9/11/2025	12/15/2025	3/19/2026	6/18/2026
		NYS AWQS										
BTEX	ug/L											
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
o-Xylene		95-47-6	5	--	1 U	--	--	--	--	--	--	--
m/p-Xylene		179601-23-1	5	--	2 U	--	--	--	--	--	--	--
Total Xylene		1330-20-7	5	3 U	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U
Total BTEX		NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs	ug/L											
Acenaphthene		83-32-9	20*	0.02 U	5.2 U	5 U	5 U	5 U	6.3 UJ	5.0 U	5.0 U	5.0 U
Acenaphthylene		208-96-8	NE	0.02 U	5.2 U	5 U	5 U	5 U	6.3 UJ	5.0 U	5.0 U	5.0 U
Anthracene		120-12-7	50*	0.02 U	5.2 U	5 U	5 U	5 U	6.3 UJ	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene		56-55-3	0.002*	0.02 U	5.2 U	5 U	5 U	5 U	6.3 UJ	5.0 U	5.0 U	5.0 U
Benzo(b)fluoranthene		205-99-2	0.002*	0.02 U	5.2 U	5 U	5 U	5 U	6.3 UJ	5.0 U	5.0 U	5.0 U
Benzo(k)fluoranthene		207-08-9	0.002*	0.02 U	5.2 U	5 U	5 U	5 U	6.3 UJ	5.0 U	5.0 U	5.0 U
Benzo(g,h,i)perylene		191-24-2	NE	0.02 U	5.2 U	5 U	5 U	5 U	6.3 UJ	5.0 U	5.0 U	5.0 U
Benzo(a)pyrene		50-32-8	ND	0.02 U	5.2 U	5 U	5 U	5 U	6.3 UJ	5.0 U	5.0 U	5.0 U
Chrysene		218-01-9	0.002*	0.02 U	5.2 U	5 U	5 U	5 U	6.3 UJ	5.0 U	5.0 U	5.0 U
Dibenz(a,h)anthracene		53-70-3	NE	0.02 U	5.2 U	5 U	5 U	5 U	6.3 UJ	5.0 U	5.0 U	5.0 U
Fluoranthene		206-44-0	50*	0.02 U	5.2 U	5 U	5 U	5 U	6.3 UJ	5.0 U	5.0 U	5.0 U
Fluorene		86-73-7	50*	0.02 U	5.2 U	5 U	5 U	5 U	6.3 UJ	5.0 U	5.0 U	5.0 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	0.02 U	5.2 U	5 U	5 U	5 U	6.3 UJ	5.0 U	5.0 U	5.0 U
Naphthalene		91-20-3	10*	0.024	5.2 U	5 U	5 U	5 U	6.3 UJ	5.0 U	5.0 U	5.0 U
Phenanthrene		85-01-8	50*	0.02 U	5.2 U	5 U	5 U	5 U	6.3 UJ	5.0 U	5.0 U	5.0 U
Pyrene		129-00-0	50*	0.02 U	5.2 U	5 U	5 U	5 U	6.3 UJ	5.0 U	5.0 U	5.0 U
Total PAHs		NE	NE	0.024	ND	ND	ND	ND	ND	ND	ND	ND
Cyanides	ug/L											
Total Cyanide		57-12-5	200	10 U	700	36	51 J	760 J	30 J	22 J	490	310 J
Dissolved Metals	ug/L											
Iron		7439-89-6	300	22.8 J	--	50 U	--	--	--	24 J	--	--
Manganese		7439-96-5	300	10 U	--	3 U	--	--	--	3 U	--	--
Total Metals	ug/L											
Iron		7439-89-6	300	876	--	50 U	--	--	--	110	--	--
Manganese		7439-96-5	300	56	--	3 U	--	--	--	4.6 J	--	--
Other	ug/L											
Alkalinity		NE	NE	--	--	261000 J	--	--	--	273,000	--	--
Ammonia		7664-41-7	2000	--	--	430	--	--	--	20 U	--	--
Dissolved Organic Carbon		NE	NE	--	--	1000 U	--	--	--	1,000 U	--	--
Methane		74-82-8	NE	1 U	--	4 U	--	--	--	4 U	--	--
Nitrate as Nitrogen		14797-55-8	10000	--	--	4900 J	--	--	--	4,000	--	--
Nitrite as Nitrogen		14797-65-0	1000	50 U	--	50 R	--	--	--	50 U	--	--
Nitrate and Nitrite as Nitrogen		NE	10000	--	--	4900 J	--	--	--	4,000	--	--
Total Nitrogen		7727-37-9	NE	6500	--	--	--	--	--	--	--	--
Sulfate		14808-79-8	250000	38100	--	30000	--	--	--	29,400	--	--
Total Organic Carbon		NE	NE	--	--	1000 U	--	--	--	1000 U	--	--

Hornell Former MGP Site
Pre- and Post-Remediation Groundwater Analytical Results
National Fuel Gas
Hornell, NY

				Pre-Remediation	Post-Remediation							
		Sample Name		MW12	MW12R ⁽¹⁾	MW12RR	MW12RR	MW12RR	MW12RR	MW12RR	MW12RR	MW12RR
Analyte	Units	CAS No.	NYS AWQS	8/17/2020	8/13/2024	11/25/2024	3/18/2025	6/3/2025	9/11/2025	12/15/2025	3/19/2026	6/18/2026
BTEX												
Benzene	ug/L	71-43-2	1	1 U	320	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	120	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	28	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
o-Xylene		95-47-6	5	--	63	--	--	--	--	--	--	--
m/p-Xylene		179601-23-1	5	--	99	--	--	--	--	--	--	--
Total Xylene		1330-20-7	5	3 U	160	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U
Total BTEX		NE	NE	ND	630	ND	ND	ND	ND	ND	ND	ND
PAHs												
Acenaphthene	ug/L	83-32-9	20*	0.02 U	11	10 U	25 U	5.2 U	5 UJ	5.0 U	3.8 J	5.0 U
Acenaphthylene		208-96-8	NE	0.09	5.4	10 U	25 U	5.2 U	5 UJ	5.0 U	5 U	5.0 U
Anthracene		120-12-7	50*	0.031	0.77 J	10 U	25 U	5.2 U	5 UJ	5.0 U	5 U	5.0 U
Benzo(a)anthracene		56-55-3	0.002*	0.02 U	5 U	10 U	25 U	5.2 U	5 UJ	5.0 U	5 U	5.0 U
Benzo(b)fluoranthene		205-99-2	0.002*	0.02 U	5 U	10 U	25 U	5.2 U	5 UJ	5.0 U	5 U	5.0 U
Benzo(k)fluoranthene		207-08-9	0.002*	0.02 U	5 U	10 U	25 U	5.2 U	5 UJ	5.0 U	5 U	5.0 U
Benzo(g,h,i)perylene		191-24-2	NE	0.02 U	5 U	10 U	25 U	5.2 U	5 UJ	5.0 U	5 U	5.0 U
Benzo(a)pyrene		50-32-8	ND	0.02 U	5 U	10 U	25 U	5.2 U	5 UJ	5.0 U	5 U	5.0 U
Chrysene		218-01-9	0.002*	0.02 U	5 U	10 U	25 U	5.2 U	5 UJ	5.0 U	5 U	5.0 U
Dibenz(a,h)anthracene		53-70-3	NE	0.02 U	5 U	10 U	25 U	5.2 U	5 UJ	5.0 U	5 U	5.0 U
Fluoranthene		206-44-0	50*	0.02 U	0.5 J	10 U	25 U	5.2 U	5 UJ	5.0 U	5 U	5.0 U
Fluorene		86-73-7	50*	0.02 U	2.4 J	10 U	25 U	5.2 U	5 UJ	5.0 U	0.8 J	5.0 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	0.02 U	5 U	10 U	25 U	5.2 U	5 UJ	5.0 U	5 U	5.0 U
Naphthalene		91-20-3	10*	0.057	640	10 U	25 U	5.2 U	5 UJ	5.0 U	5 U	5.0 U
Phenanthrene		85-01-8	50*	0.02 U	2.8 J	10 U	25 U	5.2 U	5 UJ	5.0 U	5 U	5.0 U
Pyrene		129-00-0	50*	0.02 U	0.53 J	10 U	25 U	5.2 U	5 UJ	5.0 U	5 U	5.0 U
Total PAHs		NE	NE	0.178	663.4	ND	ND	ND	ND	ND	4.6	ND
Cyanides												
Total Cyanide	ug/L	57-12-5	200	10 U	120	17	28 J	57 J	14 J	15 J	96	19 J
Dissolved Metals												
Iron	ug/L	7439-89-6	300	53.3	--	50 U	--	--	--	50 U	--	--
Manganese		7439-96-5	300	1670	--	210	--	--	--	3.0 U	--	--
Total Metals												
Iron	ug/L	7439-89-6	300	268	--	50 U	--	--	--	83	--	--
Manganese		7439-96-5	300	1710	--	220	--	--	--	1.1	--	--
Other												
Alkalinity	ug/L	NE	NE	--	--	286000 J	--	--	--	266,000	--	--
Ammonia		7664-41-7	2000	--	--	430	--	--	--	20 U	--	--
Dissolved Organic Carbon		NE	NE	--	--	1000 U	--	--	--	1,000 U	--	--
Methane		74-82-8	NE	1 U	--	4 U	--	--	--	4 U	--	--
Nitrate as Nitrogen		14797-55-8	10000	--	--	2400 J	--	--	--	2,400	--	--
Nitrite as Nitrogen		14797-65-0	1000	50 UJ	--	50 R	--	--	--	50 U	--	--
Nitrate and Nitrite as Nitrogen		NE	10000	--	--	2400 J	--	--	--	2,400	--	--
Total Nitrogen		7727-37-9	NE	740	--	--	--	--	--	--	--	--
Sulfate		14808-79-8	250000	55400	--	27700	--	--	--	21,900	--	--
Total Organic Carbon		NE	NE	--	--	1000 U	--	--	--	1000 U	--	--

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				Pre-Remediation	Post-Remediation ⁽²⁾						
		Sample Name		MW13	MW13	MW13	MW13	MW13	MW13	MW13	MW13
Analyte	Units	CAS No.	Sample Date	8/18/2020	11/25/2024	3/18/2025	6/3/2025	9/11/2025	12/15/2025	3/19/2026	6/18/2026
			NYS AWQS								
BTEX	ug/L										
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
o-Xylene		95-47-6	5	--	--	--	--	--	--	--	--
m/p-Xylene		179601-23-1	5	--	--	--	--	--	--	--	--
Total Xylene		1330-20-7	5	3 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U
Total BTEX		NE	NE	ND	ND	ND	ND	ND	ND	ND	ND
PAHs	ug/L										
Acenaphthene		83-32-9	20*	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Acenaphthylene		208-96-8	NE	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Anthracene		120-12-7	50*	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene		56-55-3	0.002*	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Benzo(b)fluoranthene		205-99-2	0.002*	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Benzo(k)fluoranthene		207-08-9	0.002*	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Benzo(g,h,i)perylene		191-24-2	NE	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Benzo(a)pyrene		50-32-8	ND	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Chrysene		218-01-9	0.002*	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Dibenz(a,h)anthracene		53-70-3	NE	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Fluoranthene		206-44-0	50*	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Fluorene		86-73-7	50*	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Naphthalene		91-20-3	10*	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Phenanthrene		85-01-8	50*	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Pyrene		129-00-0	50*	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U	5.0 U	5.0 U
Total PAHs		NE	NE	ND	ND	ND	ND	ND	ND	ND	ND
Cyanides	ug/L										
Total Cyanide		57-12-5	200	10 U	7.7 J	42 J	83	8.6 J	10 U	87 J	20 J
Dissolved Metals	ug/L										
Iron		7439-89-6	300	20 U	50 U	--	--	--	50 U	--	--
Manganese		7439-96-5	300	10 U	3 U	--	--	--	3.0 U	--	--
Total Metals	ug/L										
Iron		7439-89-6	300	23.4 J	50 U	--	--	--	35 J	--	--
Manganese		7439-96-5	300	58.3	13 J	--	--	--	3.0 U	--	--
Other	ug/L										
Alkalinity		NE	NE	--	256000 J	--	--	--	264,000	--	--
Ammonia		7664-41-7	2000	--	220 J	--	--	--	20 U	--	--
Dissolved Organic Carbon		NE	NE	--	1000 U	--	--	--	1000 U	--	--
Methane		74-82-8	NE	1 U	4 U	--	--	--	4 U	--	--
Nitrate as Nitrogen		14797-55-8	10000	--	5800 J	--	--	--	2,700	--	--
Nitrite as Nitrogen		14797-65-0	1000	50 U	50 R	--	--	--	50 U	--	--
Nitrate and Nitrite as Nitrogen		NE	10000	--	5800 J	--	--	--	2,700	--	--
Total Nitrogen		7727-37-9	NE	3600	--	--	--	--	--	--	--
Sulfate		14808-79-8	250000	30500	26900	--	--	--	25,900	--	--
Total Organic Carbon		NE	NE	--	1000 U	--	--	--	1000 U	--	--

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Notes:

- (1) MW12R was inadvertently installed in the ISS footprint and was subsequently decommissioned and replaced with MW12RR, set outside of the ISS footprint
- (2) MW13 was not sampled during the first round of post-remediation sampling in August 2024 due to an obstruction in the well, which was cleared prior to the November 2024 sampling event

Analytes in blue are not detected in any sample

ng/L = nanogram per liter (ppt)

ug/L = micrograms per liter or parts per billion (ppb)

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

PAHs = Polycyclic Aromatic Hydrocarbons

Total BTEX and Total PAHs are calculated using detects only

Total PAHs is calculated using the list of analytes: Acenaphthene, Acenaphthylene, Anthracene, Benz[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, Chrysene, Dibenzo[a,h]anthracene, Fluoranthene, Fluorene, Indeno[1,2,3-cd]pyrene, Naphthalene, 2-Methylnaphthalene, Phenanthrene, and Pyrene

NYS AWQS = New York State Ambient Water Quality Standards and Guidance Values for GA groundwater

* indicates the value is a guidance value and not a standard

CAS No. = Chemical Abstracts Service Number

MGP = Manufactured Gas Plant

ND = Not Detected

NE = Not Established

-- = Compound Not Analyzed

Black text in Analyte field indicates constituent has been detected at least once in the dataset; blue text indicates no det

Bolding indicates a detected result concentration

Shading and bolding indicates that the detected concentration is above the guidance value or standard to which it was c

Validation Qualifiers:

J = The result is an estimated value

R = The result is rejected

U = The result was not detected above the reporting limit

UJ = The results was not detected at or above the reporting limit shown and the reporting limit is estimated