February 3, 2026
Project 1801687

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

Re: Groundwater Monitoring Results
December 2025 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 December 15, 2025.

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 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 sixth 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 December 2025 monitoring activities and results are summarized below.

Monitoring Well Elevation Gauging

Six of the seven existing monitoring wells were gauged to obtain data to assess the direction of groundwater flow. The six wells that are screened across the water table were located and gauged. The one well that was not gauged was MW-15 (not a water table well[1]), which could not be located under snow during this event. Table 1 summarizes the monitoring well designations, surveyed well elevation data, screened interval, depth-to-water measurements, and groundwater elevations reflecting measurement data from December 15, 2025.

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 (1141.30 feet NAVD88). The lowest groundwater elevation measurement was in the eastern area of the site at MW4 (1140.70 feet NAVD88). The overall change in the elevation of the water table across the site was 0.60 feet, which represents a hydraulic gradient of approximately 0.002 ft/ft.

NAPL Monitoring

The ISMP calls for assessment and, if present, gauging of non-aqueous phase liquids (NAPL) at each accessible site well. Six of the seven existing monitoring wells were gauged to assess the presence or absence of both light and dense NAPL. MW-15 was not gauged for NAPL in December 2025 because it could not be located under snow. The gauging results are summarized in Table 1. As shown in the table, NAPL was not identified in any gauged well.

Groundwater Sampling

Groundwater sampling was performed on December 15, 2025. Samples were collected from monitoring wells MW6, MW7, MW8, MW12RR and MW13, as prescribed in the ISMP. The December 2025 sampling event included the parameters identified below, including both the quarterly analyte list and the annual expanded analyte list per the ISMP.

Group	Analyte	Method
Quarterly Parameters	Benzene, toluene, ethylbenzene, and xylenes (BTEX)	8260C
	Polycyclic aromatic hydrocarbons (PAHs)	8270D
	Total Cyanide	9012B
Annual Monitored Natural Attenuation (MNA) Parameters	Iron and manganese (total and dissolved)	6010C
	Organic carbon (total and dissolved)	SM 5310D/C
	Nitrite and nitrate	353.2
	Sulfate	D516
	Ammonia	350.1
	Methane	RSK-175
	Alkalinity	2320B

[1] MW-15 is a piezometer with a two-foot screen set approximately 20 feet below the water table.

The samples were submitted to Eurofins of Amherst, New York for analysis. Eurofins is certified to perform analyses under the 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. The laboratory Form 1 Report sheets for the analyses and the chain-of-custody records are included in Appendix A.

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 with minor qualification, including cyanide results being qualified as estimated due to a laboratory instrument malfunction that delayed analysis beyond the hold time. Qualifications are discussed in detail in Appendix B.

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 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 table of pre-and post-remedial analytical data for each well included in the ISMP monitoring scope is in Appendix C.

BTEX

No BTEX constituents were detected above the laboratory reporting limit during the December 2025 event.

Historically, BTEX has not been detected in any well since the first post-remediation event in August 2024.[2]

PAHs

Certain PAHs were detected, including acenaphthene, acenaphthylene, and fluorene during the December 2025 event, but no concentration was above NYSDEC Ambient Water Quality Standards and/or Guidance Values (AWQS).

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

Similarly, low levels of PAHs have been detected in certain wells during each post-remediation event; however, none have been above applicable standards.[3]

Total Cyanide

During the December 2025 event, cyanide was detected above the AWQS of 200 ug/L in MW7, at a concentration of 300 ug/L.

Historically, cyanide has been detected above the AWQS on three occasions; once previously in MW7 (November 2024) and twice previously in MW8 (August 2024 and June 2025). 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.

MNA Evaluation Parameters

Analytical results for MNA parameters for the December 2025 sampling event are included in Table 2. Historical MNA parameter results are included in Appendix C. These parameters included total and dissolved iron, total and dissolved manganese, methane, nitrite, nitrate, ammonia, sulfate, dissolved organic carbon, total organic carbon, and total alkalinity.

MNA data suggests that conditions, particularly within downgradient well MW6, are generally favorable for degradation, including the observed increase in dissolved iron in 2025 relative to baseline in August 2020. This increase in soluble (i.e., dissolved) iron, coupled with a decrease in total iron, favorable ORP, pH and dissolved oxygen conditions, and the continued presence of sulfate, nitrite and methane, suggest that conditions are generally favorable for anerobic degradation. As such, although organics are already consistently below groundwater criteria, further degradation is expected to continue where these compounds exist.

Implementation of the Post-Remedial Monitoring Work Plan

As noted above, the groundwater monitoring program will continue quarterly for two years per the ISMP. The next groundwater monitoring event is expected to be conducted in March 2026, which represents the seventh of eight quarterly events and will include sampling of BTEX, PAHs and cyanide, as described in the ISMP. NYSDEC will be notified at least seven days prior to the sampling event.

If you have any questions or comments regarding the information presented in this report, please contact Wendy Moore of GEI at 607.216.8966.

Sincerely,

Wendy Moore, P.E.
Senior Engineer
Project Manager

Emily Dallas
Project Scientist

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

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

WLM/EMD:ag
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Tables

Table 1. Groundwater Elevation Summary and NAPL Gauging Results – December 2025 Monitoring Event

Table 2. December 2025 Groundwater Analytical Results

Table 1. Groundwater Elevation Summary and NAPL Gauging Results
December 2025 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 December 15, 2025 (Feet below top of inner casing)	Groundwater Elevation December 15, 2025 (Feet NAVD88)	NAPL Gauging Results
MW4	1156.23	12 - 22	15.53	1140.70	Not Present
MW6	1157.86	12 - 22	16.86	1141.00	Not Present
MW7	1155.74	13 - 23	14.78	1140.96	Not Present
MW8	1158.26	13 - 23	17.01	1141.25	Not Present
MW12RR	1156.99	13 - 23	16.01	1140.98	Not Present
MW13	1156.92	12 - 22	15.62	1141.30	Not Present
MW15	1156.10	33 - 35	Not Measured (NM)	NM	NM

Notes:
MW15 was not measured during this event because it could not be located beneath snow.

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

			Location Name	MW-6	MW-7	MW-8	MW-12	MW-13
			Sample Name	MW6	MW7	MW8	MW12RR	MW13
			Sample Date	12/15/2025	12/15/2025	12/15/2025	12/15/2025	12/15/2025
Analyte	**Units**	**CAS No.**	**NYS AWQS**					
BTEX	ug/L							
Benzene		71-43-2	1	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
Toluene		108-88-3	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*	**2.5 J**	5 U	5 U	5 U	5 U
Acenaphthylene		208-96-8	NE	**0.76 J**	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*	**2.7 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	**5.96**	ND	ND	ND	ND
Cyanides	ug/L							
Total Cyanide		57-12-5	200	**21 J**	**300 J**	**22 J**	**15 J**	10 U
Dissolved Metals	ug/L							
Iron		7439-89-6	300	**1200**	**150 J**	50 U	50 U	50 U
Manganese		7439-96-5	300	**620**	**6.4 J**	3 U	3 U	3 U
Total Metals	ug/L							
Iron		7439-89-6	300	**4300**	**190**	**110**	**83**	**35 J**
Manganese		7439-96-5	300	**660**	**12**	**4.6 J**	3 U	3 U
Other	ug/L							
Alkalinity		N/A	NE	**312000**	**318000**	**273000**	**266000**	**264000**
Ammonia		7664-41-7	2000	**130**	20 U	20 U	20 U	20 U
Dissolved Organic Carbon		N/A	NE	1000 U	1000 U	1000 U	1000 U	1000 U
Methane		74-82-8	NE	**64**	4 U	4 U	4 U	4 U
Nitrate as Nitrogen		14797-55-8	10000	**950**	**2000**	**4000**	**2400**	**2700**
Nitrite as Nitrogen		14797-65-0	1000	**22 J**	50 U	50 U	50 U	50 U
Sulfate		14808-79-8	250000	**37200**	**33800**	**29400**	**21900**	**25900**
Total Organic Carbon		N/A	NE	**470 J**	**440 J**	1000 U	1000 U	1000 U

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
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, Dibenz[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
N/A = Not Applicable

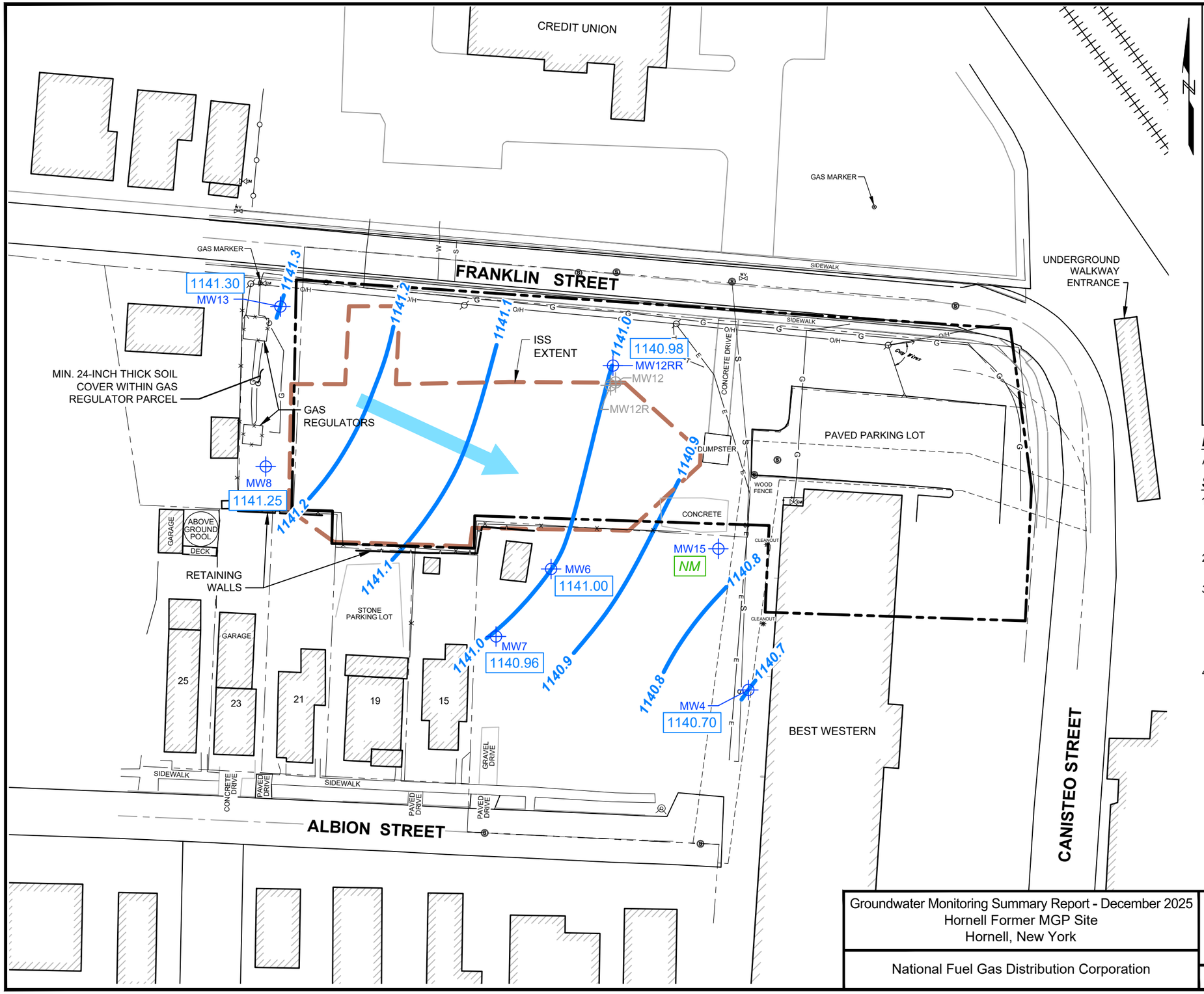
Bolding indicates a detected result concentration
Shading and bolding indicates that the detected concentration is above the NYSDOH guidance it was compared to

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 – December 2025



LEGEND

- MW1 — MONITORING WELL
- MW12 — FORMER MONITORING WELL
- 1141.0 — GROUNDWATER CONTOUR (FEET NAVD88) - 12/15/2025
- 1140.94 — WATER TABLE WELL GROUNDWATER ELEVATION (FEET NAVD88) - GAUGED 12/15/2025
- NM — DEEP WELL GROUNDWATER ELEVATION MEASUREMENT - NOT MEASURED ON 12/15/2025 BECAUSE WELL COULD NOT BE LOCATED BENEATH SNOW
- INFERRED GROUNDWATER FLOW DIRECTION - 12/15/2025
- ISS EXTENT
- APPROXIMATE SITE BOUNDARY (FROM NYSDEC)
- APPROXIMATE PROPERTY BOUNDARIES
- UTILITY EASEMENT
- CHAIN-LINK FENCE
- 15 — EXISTING STRUCTURE & HOUSE NUMBER

NOTE:

ALL UTILITY LINE LOCATIONS ARE APPROXIMATE.

SOURCES:

1. SURVEY PREPARED FOR GEI CONSULTANTS, INC. BY WILLIAM J TUCKER, II PLS #50369, CLEAR CREEK LAND SURVEYING, L.L.C., SPRINGVILLE, N.Y. DATED FEBRUARY 11, 2011.
2. CITY OF HORNELL, STEUBEN COUNTY, NY TAX MAP NO. 166.06 DATED OCT. 18, 2008.
3. *MODIFICATION TO ORDER ON CONSENT AND ADMINISTRATIVE SETTLEMENT, ATTACHMENT 1* BETWEEN NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, OFFICE OF GENERAL COUNSEL, AND NATIONAL FUEL GAS DATED OCT. 21, 2010.
4. PROPERTY BOUNDARIES OBTAINED FROM SURVEY PREPARED FOR GEI CONSULTANTS, INC. BY MATTHEW RODGERS ROBINSON PLS # 050938, ECOSTRATEGIES ENGINEERING & SURVEYING, FALCONER N.Y. DATED JULY 29, 2021.

0 50' 100'

SCALE: 1" = 50'

Groundwater Monitoring Summary Report - December 2025
Hornell Former MGP Site
Hornell, New York

National Fuel Gas Distribution Corporation

GEI Consultants

WELL LOCATION AND GROUNDWATER CONTOUR MAP - DECEMBER 15, 2025

Project 1801687 | January 2026 | Fig. 1

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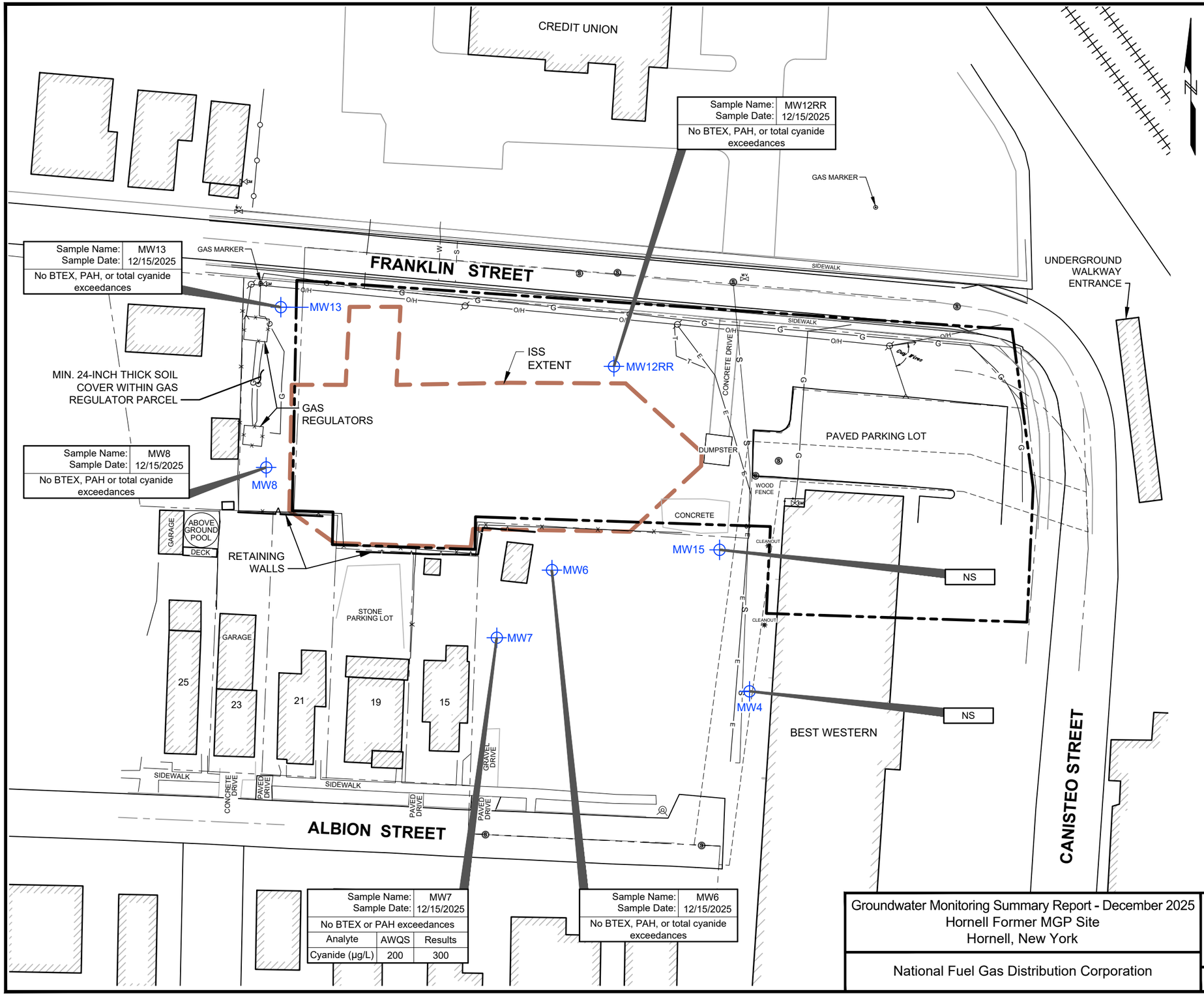

LEGEND

- ISS EXTENT
- APPROXIMATE SITE BOUNDARY (FROM NYSDEC)
- APPROXIMATE PROPERTY BOUNDARIES
- UTILITY EASEMENT
- CHAIN-LINK FENCE
- 15 — EXISTING STRUCTURE & HOUSE NUMBER
- MW1 — MONITORING WELL
- MW12 — FORMER MONITORING WELL
- NS — NOT SAMPLED (DOWNGRADIENT SENTINEL WELLS; NOT INCLUDED IN ISMP SAMPLING PLAN)
- µg/L — MICROGRAMS PER LITER OR PARTS PER BILLION (ppb)

NOTE:

ALL UTILITY LINE LOCATIONS ARE APPROXIMATE.

SOURCES:

1. SURVEY PREPARED FOR GEI CONSULTANTS, INC. BY WILLIAM J TUCKER, II PLS #50369, CLEAR CREEK LAND SURVEYING, L.L.C., SPRINGVILLE, N.Y. DATED FEBRUARY 11, 2011.
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Groundwater Monitoring Summary Report - December 2025
Hornell Former MGP Site
Hornell, New York

National Fuel Gas Distribution Corporation

GEI Consultants

GROUNDWATER EXCEEDANCES SUMMARY MAP - DECEMBER 2025

Project 1801687 | January 2026 | Fig. 2

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Emily Dallas
GEI Consultants Inc
950 Danby Road
Suite 201-F
Ithaca NY 14850

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JOB DESCRIPTION

NFG Hornell

JOB NUMBER

480-235230-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Eurofins Buffalo

Job Notes

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

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John.Schove@et.eurofinsus.com
716 504-9838

Table of Contents

Table of Contents

Table of Contents

Table of Contents

Job Narrative
480-235230-1

REVISION

The report being provided is a revision of the original report sent on 1/5/2026. The report (revision 1) is being revised due to correct the case narrative..

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/16/2025 8:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.9°C and 2.0°C.

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

GC/MS Semi VOA
Method 8270D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-764999.

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

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

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

General Chemistry
Method 9012B_NP: The sample duplicate (DUP) precision for analytical batch 480-765755 was outside control limits. Sample matrix interference is suspected.

Method 9012B_NP: The following samples were analyzed outside of analytical holding time due to instrument failure: MW6 (480-235230-1), MW7 (480-235230-2), MW8 (480-235230-3), MW12RR (480-235230-4) and MW13 (480-235230-5).

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

Sample Summary

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-235230-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-235230-1	MW6	Water	12/15/25 13:10	12/16/25 08:55	New York
480-235230-2	MW7	Water	12/15/25 13:00	12/16/25 08:55	New York
480-235230-3	MW8	Water	12/15/25 15:30	12/16/25 08:55	New York
480-235230-4	MW12RR	Water	12/15/25 17:00	12/16/25 08:55	New York
480-235230-5	MW13	Water	12/15/25 15:35	12/16/25 08:55	New York
480-235230-6	TB1-12152025	Water	12/15/25 16:00	12/16/25 08:55	New York

Detection Summary

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-235230-1

Client Sample ID: MW6 — Lab Sample ID: 480-235230-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	2.5	J	5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	0.76	J	5.0	0.38	ug/L	1		8270D	Total/NA
Fluorene	2.7	J	5.0	0.36	ug/L	1		8270D	Total/NA
Methane	64		4.0	1.0	ug/L	1		RSK-175	Total/NA
Iron	4.3		0.050	0.019	mg/L	1		6010D	Total/NA
Manganese	0.66		0.0030	0.00040	mg/L	1		6010D	Total/NA
Iron, Dissolved	1.2		0.050	0.019	mg/L	1		6010D	Dissolved
Manganese, Dissolved	0.62		0.0030	0.00040	mg/L	1		6010D	Dissolved
Ammonia	0.13		0.020	0.0090	mg/L	1		350.1	Total/NA
Nitrite as N	0.022	J	0.050	0.020	mg/L	1		353.2	Total/NA
Cyanide, Total	0.021	H	0.010	0.0041	mg/L	1		9012B	Total/NA
Sulfate	37.2		25.0	7.5	mg/L	5		D516-90, 02	Total/NA
Nitrate as N	0.95		0.050	0.020	mg/L	1		Nitrate by calc	Total/NA
Total Alkalinity	312		5.0	0.79	mg/L	1		SM 2320B	Total/NA
Total Organic Carbon	0.47	J	1.0	0.43	mg/L	1		SM 5310D	Total/NA

Client Sample ID: MW7 — Lab Sample ID: 480-235230-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.19		0.050	0.019	mg/L	1		6010D	Total/NA
Manganese	0.012		0.0030	0.00040	mg/L	1		6010D	Total/NA
Iron, Dissolved	0.15		0.050	0.019	mg/L	1		6010D	Dissolved
Manganese, Dissolved	0.0064		0.0030	0.00040	mg/L	1		6010D	Dissolved
Cyanide, Total	0.30	H	0.010	0.0041	mg/L	1		9012B	Total/NA
Sulfate	33.8		5.0	1.5	mg/L	1		D516-90, 02	Total/NA
Nitrate as N	2.0		0.050	0.020	mg/L	1		Nitrate by calc	Total/NA
Total Alkalinity	318		5.0	0.79	mg/L	1		SM 2320B	Total/NA
Total Organic Carbon	0.44	J	1.0	0.43	mg/L	1		SM 5310D	Total/NA

Client Sample ID: MW8 — Lab Sample ID: 480-235230-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.11		0.050	0.019	mg/L	1		6010D	Total/NA
Manganese	0.0046		0.0030	0.00040	mg/L	1		6010D	Total/NA
Iron, Dissolved	0.024	J	0.050	0.019	mg/L	1		6010D	Dissolved
Cyanide, Total	0.022	H	0.010	0.0041	mg/L	1		9012B	Total/NA
Sulfate	29.4		5.0	1.5	mg/L	1		D516-90, 02	Total/NA
Nitrate as N	4.0		0.050	0.020	mg/L	1		Nitrate by calc	Total/NA
Total Alkalinity	273		5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW12RR — Lab Sample ID: 480-235230-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.083		0.050	0.019	mg/L	1		6010D	Total/NA
Manganese	0.0011	J	0.0030	0.00040	mg/L	1		6010D	Total/NA
Cyanide, Total	0.015	H	0.010	0.0041	mg/L	1		9012B	Total/NA
Sulfate	21.9		5.0	1.5	mg/L	1		D516-90, 02	Total/NA
Nitrate as N	2.4		0.050	0.020	mg/L	1		Nitrate by calc	Total/NA
Total Alkalinity	266		5.0	0.79	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: GEI Consultants Inc
Job ID: 480-235230-1
Project/Site: NFG Hornell

Client Sample ID: MW13
Lab Sample ID: 480-235230-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.035	J	0.050	0.019	mg/L	1		6010D	Total/NA
Manganese	0.0017	J	0.0030	0.00040	mg/L	1		6010D	Total/NA
Cyanide, Total	0.0088	J H	0.010	0.0041	mg/L	1		9012B	Total/NA
Sulfate	25.9		5.0	1.5	mg/L	1		D516-90, 02	Total/NA
Nitrate as N	2.7		0.050	0.020	mg/L	1		Nitrate by calc	Total/NA
Total Alkalinity	264		5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: TB1-12152025
Lab Sample ID: 480-235230-6

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: GEI Consultants Inc
Job ID: 480-235230-1
Project/Site: NFG Hornell

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
RSK-175	Dissolved Gases (GC)	RSK	EET BUF
6010D	Metals (ICP)	SW846	EET BUF
350.1	Nitrogen, Ammonia	EPA	EET BUF
353.2	Nitrogen, Nitrite	EPA	EET BUF
9012B	Cyanide, Total and/or Amenable	SW846	EET BUF
D516-90, 02	Sulfate	ASTM	EET BUF
Nitrate by calc	Nitrogen, Nitrate-Nitrite	SM	EET BUF
SM 2320B	Alkalinity	SM	EET BUF
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	EET BUF
SM 5310D	Organic Carbon, Total (TOC)	SM	EET BUF
3005A	Preparation, Total Metals	SW846	EET BUF
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique , RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Client Sample ID: MW6

Date Collected: 12/15/25 13:10
Date Received: 12/16/25 08:55

Lab Sample ID: 480-235230-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/16/25 18:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/16/25 18:28	1
Toluene	ND		1.0	0.51	ug/L			12/16/25 18:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/16/25 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*12/16/25 18:28*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*12/16/25 18:28*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*12/16/25 18:28*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*12/16/25 18:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**2.5**	**J**	5.0	0.41	ug/L		12/17/25 09:07	12/18/25 15:41	1
Acenaphthylene	**0.76**	**J**	5.0	0.38	ug/L		12/17/25 09:07	12/18/25 15:41	1
Anthracene	ND		5.0	0.28	ug/L		12/17/25 09:07	12/18/25 15:41	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/17/25 09:07	12/18/25 15:41	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/17/25 09:07	12/18/25 15:41	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/17/25 09:07	12/18/25 15:41	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/17/25 09:07	12/18/25 15:41	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/17/25 09:07	12/18/25 15:41	1
Chrysene	ND		5.0	0.33	ug/L		12/17/25 09:07	12/18/25 15:41	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/17/25 09:07	12/18/25 15:41	1
Fluoranthene	ND		5.0	0.40	ug/L		12/17/25 09:07	12/18/25 15:41	1
Fluorene	**2.7**	**J**	5.0	0.36	ug/L		12/17/25 09:07	12/18/25 15:41	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/17/25 09:07	12/18/25 15:41	1
Naphthalene	ND		5.0	0.76	ug/L		12/17/25 09:07	12/18/25 15:41	1
Phenanthrene	ND		5.0	0.44	ug/L		12/17/25 09:07	12/18/25 15:41	1
Pyrene	ND		5.0	0.34	ug/L		12/17/25 09:07	12/18/25 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*53 - 126*	*12/17/25 09:07*	*12/18/25 15:41*	*1*
Nitrobenzene-d5 (Surr)	*57*		*29 - 129*	*12/17/25 09:07*	*12/18/25 15:41*	*1*
p-Terphenyl-d14 (Surr)	*73*		*33 - 132*	*12/17/25 09:07*	*12/18/25 15:41*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**64**		4.0	1.0	ug/L			12/18/25 07:41	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**4.3**		0.050	0.019	mg/L		12/17/25 09:05	12/17/25 14:37	1
Manganese	**0.66**		0.0030	0.00040	mg/L		12/17/25 09:05	12/17/25 14:37	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**1.2**		0.050	0.019	mg/L		12/17/25 09:08	12/17/25 15:30	1
Manganese, Dissolved	**0.62**		0.0030	0.00040	mg/L		12/17/25 09:08	12/17/25 15:30	1

Client Sample ID: MW6
Lab Sample ID: 480-235230-1

Date Collected: 12/15/25 13:10
Matrix: Water
Date Received: 12/16/25 08:55

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	0.13		0.020	0.0090	mg/L			12/16/25 15:06	1
Nitrite as N (EPA 353.2)	0.022	J	0.050	0.020	mg/L			12/16/25 14:15	1
Cyanide, Total (SW846 9012B)	0.021	H	0.010	0.0041	mg/L			01/05/26 14:26	1
Sulfate (ASTM D516-90, 02)	37.2		25.0	7.5	mg/L			12/17/25 08:52	5
Nitrate as N (SM Nitrate by calc)	0.95		0.050	0.020	mg/L			12/16/25 13:54	1
Total Alkalinity (SM 2320B)	312		5.0	0.79	mg/L			12/17/25 15:57	1
Total Organic Carbon (SM 5310D)	0.47	J	1.0	0.43	mg/L			12/18/25 09:34	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	ND		1.0	0.43	mg/L			12/18/25 15:51	1

Client Sample ID: MW7
Lab Sample ID: 480-235230-2

Date Collected: 12/15/25 13:00
Matrix: Water
Date Received: 12/16/25 08:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/16/25 18:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/16/25 18:50	1
Toluene	ND		1.0	0.51	ug/L			12/16/25 18:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/16/25 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*12/16/25 18:50*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*12/16/25 18:50*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*12/16/25 18:50*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/16/25 18:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/17/25 09:07	12/18/25 16:08	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/17/25 09:07	12/18/25 16:08	1
Anthracene	ND		5.0	0.28	ug/L		12/17/25 09:07	12/18/25 16:08	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/17/25 09:07	12/18/25 16:08	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/17/25 09:07	12/18/25 16:08	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/17/25 09:07	12/18/25 16:08	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/17/25 09:07	12/18/25 16:08	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/17/25 09:07	12/18/25 16:08	1
Chrysene	ND		5.0	0.33	ug/L		12/17/25 09:07	12/18/25 16:08	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/17/25 09:07	12/18/25 16:08	1
Fluoranthene	ND		5.0	0.40	ug/L		12/17/25 09:07	12/18/25 16:08	1
Fluorene	ND		5.0	0.36	ug/L		12/17/25 09:07	12/18/25 16:08	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/17/25 09:07	12/18/25 16:08	1
Naphthalene	ND		5.0	0.76	ug/L		12/17/25 09:07	12/18/25 16:08	1
Phenanthrene	ND		5.0	0.44	ug/L		12/17/25 09:07	12/18/25 16:08	1
Pyrene	ND		5.0	0.34	ug/L		12/17/25 09:07	12/18/25 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*53 - 126*	*12/17/25 09:07*	*12/18/25 16:08*	*1*

Client Sample ID: MW7

Lab Sample ID: 480-235230-2

Date Collected: 12/15/25 13:00

Matrix: Water

Date Received: 12/16/25 08:55

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*57*		*29 - 129*	*12/17/25 09:07*	*12/18/25 16:08*	*1*
p-Terphenyl-d14 (Surr)	*71*		*33 - 132*	*12/17/25 09:07*	*12/18/25 16:08*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			12/18/25 08:19	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.19**		0.050	0.019	mg/L		12/17/25 09:05	12/17/25 14:47	1
Manganese	**0.012**		0.0030	0.00040	mg/L		12/17/25 09:05	12/17/25 14:47	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.15**		0.050	0.019	mg/L		12/17/25 09:08	12/17/25 15:45	1
Manganese, Dissolved	**0.0064**		0.0030	0.00040	mg/L		12/17/25 09:08	12/17/25 15:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	ND		0.020	0.0090	mg/L			12/16/25 15:08	1
Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			12/16/25 14:16	1
Cyanide, Total (SW846 9012B)	**0.30**	**H**	0.010	0.0041	mg/L			01/05/26 14:41	1
Sulfate (ASTM D516-90, 02)	**33.8**		5.0	1.5	mg/L			12/17/25 08:46	1
Nitrate as N (SM Nitrate by calc)	**2.0**		0.050	0.020	mg/L			12/16/25 14:00	1
Total Alkalinity (SM 2320B)	**318**		5.0	0.79	mg/L			12/17/25 16:16	1
Total Organic Carbon (SM 5310D)	**0.44**	**J**	1.0	0.43	mg/L			12/18/25 10:03	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	ND		1.0	0.43	mg/L			12/18/25 16:20	1

Client Sample ID: MW8

Lab Sample ID: 480-235230-3

Date Collected: 12/15/25 15:30

Matrix: Water

Date Received: 12/16/25 08:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/16/25 19:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/16/25 19:12	1
Toluene	ND		1.0	0.51	ug/L			12/16/25 19:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/16/25 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*12/16/25 19:12*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/16/25 19:12*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*12/16/25 19:12*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*12/16/25 19:12*	*1*

Client Sample ID: MW8

Date Collected: 12/15/25 15:30
Date Received: 12/16/25 08:55

Lab Sample ID: 480-235230-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/17/25 09:07	12/18/25 16:34	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/17/25 09:07	12/18/25 16:34	1
Anthracene	ND		5.0	0.28	ug/L		12/17/25 09:07	12/18/25 16:34	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/17/25 09:07	12/18/25 16:34	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/17/25 09:07	12/18/25 16:34	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/17/25 09:07	12/18/25 16:34	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/17/25 09:07	12/18/25 16:34	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/17/25 09:07	12/18/25 16:34	1
Chrysene	ND		5.0	0.33	ug/L		12/17/25 09:07	12/18/25 16:34	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/17/25 09:07	12/18/25 16:34	1
Fluoranthene	ND		5.0	0.40	ug/L		12/17/25 09:07	12/18/25 16:34	1
Fluorene	ND		5.0	0.36	ug/L		12/17/25 09:07	12/18/25 16:34	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/17/25 09:07	12/18/25 16:34	1
Naphthalene	ND		5.0	0.76	ug/L		12/17/25 09:07	12/18/25 16:34	1
Phenanthrene	ND		5.0	0.44	ug/L		12/17/25 09:07	12/18/25 16:34	1
Pyrene	ND		5.0	0.34	ug/L		12/17/25 09:07	12/18/25 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*68*		*53 - 126*	*12/17/25 09:07*	*12/18/25 16:34*	*1*
Nitrobenzene-d5 (Surr)	*53*		*29 - 129*	*12/17/25 09:07*	*12/18/25 16:34*	*1*
p-Terphenyl-d14 (Surr)	*72*		*33 - 132*	*12/17/25 09:07*	*12/18/25 16:34*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			12/18/25 08:38	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.11**		0.050	0.019	mg/L		12/17/25 09:05	12/17/25 14:49	1
Manganese	**0.0046**		0.0030	0.00040	mg/L		12/17/25 09:05	12/17/25 14:49	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.024**	**J**	0.050	0.019	mg/L		12/17/25 09:08	12/17/25 15:47	1
Manganese, Dissolved	ND		0.0030	0.00040	mg/L		12/17/25 09:08	12/17/25 15:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	ND		0.020	0.0090	mg/L			12/16/25 15:08	1
Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			12/16/25 14:17	1
Cyanide, Total (SW846 9012B)	**0.022**	**H**	0.010	0.0041	mg/L			01/05/26 14:45	1
Sulfate (ASTM D516-90, 02)	**29.4**		5.0	1.5	mg/L			12/17/25 08:48	1
Nitrate as N (SM Nitrate by calc)	**4.0**		0.050	0.020	mg/L			12/16/25 14:51	1
Total Alkalinity (SM 2320B)	**273**		5.0	0.79	mg/L			12/17/25 16:24	1
Total Organic Carbon (SM 5310D)	ND		1.0	0.43	mg/L			12/18/25 10:31	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	ND		1.0	0.43	mg/L			12/18/25 16:50	1

Client Sample ID: MW12RR

Date Collected: 12/15/25 17:00
Date Received: 12/16/25 08:55

Lab Sample ID: 480-235230-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/16/25 19:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/16/25 19:35	1
Toluene	ND		1.0	0.51	ug/L			12/16/25 19:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/16/25 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*12/16/25 19:35*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/16/25 19:35*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*12/16/25 19:35*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*12/16/25 19:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/17/25 09:07	12/18/25 17:01	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/17/25 09:07	12/18/25 17:01	1
Anthracene	ND		5.0	0.28	ug/L		12/17/25 09:07	12/18/25 17:01	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/17/25 09:07	12/18/25 17:01	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/17/25 09:07	12/18/25 17:01	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/17/25 09:07	12/18/25 17:01	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/17/25 09:07	12/18/25 17:01	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/17/25 09:07	12/18/25 17:01	1
Chrysene	ND		5.0	0.33	ug/L		12/17/25 09:07	12/18/25 17:01	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/17/25 09:07	12/18/25 17:01	1
Fluoranthene	ND		5.0	0.40	ug/L		12/17/25 09:07	12/18/25 17:01	1
Fluorene	ND		5.0	0.36	ug/L		12/17/25 09:07	12/18/25 17:01	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/17/25 09:07	12/18/25 17:01	1
Naphthalene	ND		5.0	0.76	ug/L		12/17/25 09:07	12/18/25 17:01	1
Phenanthrene	ND		5.0	0.44	ug/L		12/17/25 09:07	12/18/25 17:01	1
Pyrene	ND		5.0	0.34	ug/L		12/17/25 09:07	12/18/25 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*73*		*53 - 126*	*12/17/25 09:07*	*12/18/25 17:01*	*1*
Nitrobenzene-d5 (Surr)	*57*		*29 - 129*	*12/17/25 09:07*	*12/18/25 17:01*	*1*
p-Terphenyl-d14 (Surr)	*75*		*33 - 132*	*12/17/25 09:07*	*12/18/25 17:01*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			12/18/25 08:56	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.083**		0.050	0.019	mg/L		12/17/25 09:05	12/17/25 14:51	1
Manganese	**0.0011**	**J**	0.0030	0.00040	mg/L		12/17/25 09:05	12/17/25 14:51	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.050	0.019	mg/L		12/17/25 09:08	12/17/25 15:49	1
Manganese, Dissolved	ND		0.0030	0.00040	mg/L		12/17/25 09:08	12/17/25 15:49	1

Client Sample ID: MW12RR

Lab Sample ID: 480-235230-4

Date Collected: 12/15/25 17:00

Matrix: Water

Date Received: 12/16/25 08:55

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	ND		0.020	0.0090	mg/L			12/16/25 15:08	1
Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			12/16/25 14:17	1
Cyanide, Total (SW846 9012B)	**0.015**	**H**	0.010	0.0041	mg/L			01/05/26 14:49	1
Sulfate (ASTM D516-90, 02)	**21.9**		5.0	1.5	mg/L			12/17/25 08:48	1
Nitrate as N (SM Nitrate by calc)	**2.4**		0.050	0.020	mg/L			12/16/25 14:04	1
Total Alkalinity (SM 2320B)	**266**		5.0	0.79	mg/L			12/17/25 16:31	1
Total Organic Carbon (SM 5310D)	ND		1.0	0.43	mg/L			12/18/25 11:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	ND		1.0	0.43	mg/L			12/18/25 20:13	1

Client Sample ID: MW13

Lab Sample ID: 480-235230-5

Date Collected: 12/15/25 15:35

Matrix: Water

Date Received: 12/16/25 08:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/16/25 19:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/16/25 19:57	1
Toluene	ND		1.0	0.51	ug/L			12/16/25 19:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/16/25 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*12/16/25 19:57*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/16/25 19:57*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*12/16/25 19:57*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/16/25 19:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/17/25 09:07	12/18/25 17:27	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/17/25 09:07	12/18/25 17:27	1
Anthracene	ND		5.0	0.28	ug/L		12/17/25 09:07	12/18/25 17:27	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/17/25 09:07	12/18/25 17:27	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/17/25 09:07	12/18/25 17:27	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/17/25 09:07	12/18/25 17:27	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/17/25 09:07	12/18/25 17:27	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/17/25 09:07	12/18/25 17:27	1
Chrysene	ND		5.0	0.33	ug/L		12/17/25 09:07	12/18/25 17:27	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/17/25 09:07	12/18/25 17:27	1
Fluoranthene	ND		5.0	0.40	ug/L		12/17/25 09:07	12/18/25 17:27	1
Fluorene	ND		5.0	0.36	ug/L		12/17/25 09:07	12/18/25 17:27	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/17/25 09:07	12/18/25 17:27	1
Naphthalene	ND		5.0	0.76	ug/L		12/17/25 09:07	12/18/25 17:27	1
Phenanthrene	ND		5.0	0.44	ug/L		12/17/25 09:07	12/18/25 17:27	1
Pyrene	ND		5.0	0.34	ug/L		12/17/25 09:07	12/18/25 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*66*		*53 - 126*	*12/17/25 09:07*	*12/18/25 17:27*	*1*

Client Sample ID: MW13

Lab Sample ID: 480-235230-5

Date Collected: 12/15/25 15:35

Matrix: Water

Date Received: 12/16/25 08:55

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*50*		*29 - 129*	*12/17/25 09:07*	*12/18/25 17:27*	*1*
p-Terphenyl-d14 (Surr)	*77*		*33 - 132*	*12/17/25 09:07*	*12/18/25 17:27*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			12/18/25 09:15	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.035**	**J**	0.050	0.019	mg/L		12/17/25 09:05	12/17/25 15:01	1
Manganese	**0.0017**	**J**	0.0030	0.00040	mg/L		12/17/25 09:05	12/17/25 15:01	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.050	0.019	mg/L		12/17/25 09:08	12/17/25 15:51	1
Manganese, Dissolved	ND		0.0030	0.00040	mg/L		12/17/25 09:08	12/17/25 15:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	ND		0.020	0.0090	mg/L			12/16/25 15:10	1
Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			12/16/25 14:18	1
Cyanide, Total (SW846 9012B)	**0.0088**	**J H**	0.010	0.0041	mg/L			01/05/26 14:52	1
Sulfate (ASTM D516-90, 02)	**25.9**		5.0	1.5	mg/L			12/17/25 08:48	1
Nitrate as N (SM Nitrate by calc)	**2.7**		0.050	0.020	mg/L			12/16/25 14:05	1
Total Alkalinity (SM 2320B)	**264**		5.0	0.79	mg/L			12/17/25 16:37	1
Total Organic Carbon (SM 5310D)	ND		1.0	0.43	mg/L			12/18/25 15:22	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	ND		1.0	0.43	mg/L			12/18/25 20:41	1

Client Sample ID: TB1-12152025

Lab Sample ID: 480-235230-6

Date Collected: 12/15/25 16:00

Matrix: Water

Date Received: 12/16/25 08:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/16/25 20:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/16/25 20:20	1
Toluene	ND		1.0	0.51	ug/L			12/16/25 20:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/16/25 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*12/16/25 20:20*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*12/16/25 20:20*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*12/16/25 20:20*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*12/16/25 20:20*	*1*

Surrogate Summary

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-235230-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-235230-1	MW6	99	96	102	103
480-235230-2	MW7	97	96	101	101
480-235230-3	MW8	97	95	101	102
480-235230-4	MW12RR	98	95	101	102
480-235230-5	MW13	98	95	102	101
480-235230-6	TB1-12152025	98	97	101	102
LCS 480-764908/6	Lab Control Sample	100	96	103	100
MB 480-764908/9	Method Blank	97	98	101	101

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(53-126)	(29-129)	(33-132)
480-235230-1	MW6	70	57	73
480-235230-2	MW7	70	57	71
480-235230-3	MW8	68	53	72
480-235230-4	MW12RR	73	57	75
480-235230-5	MW13	66	50	77
LCS 480-764999/2-A	Lab Control Sample	87	75	88
LCSD 480-764999/3-A	Lab Control Sample Dup	91	81	90
MB 480-764999/1-A	Method Blank	76	60	91

Surrogate Legend

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

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

Lab Sample ID: MB 480-764908/9
Matrix: Water
Analysis Batch: 764908

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			12/16/25 14:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/16/25 14:22	1
Toluene	ND		1.0	0.51	ug/L			12/16/25 14:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/16/25 14:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*12/16/25 14:22*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*12/16/25 14:22*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*12/16/25 14:22*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/16/25 14:22*	*1*

Lab Sample ID: LCS 480-764908/6
Matrix: Water
Analysis Batch: 764908

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	26.3		ug/L		105	71 - 124		
Ethylbenzene			25.0	25.8		ug/L		103	77 - 123		
Toluene			25.0	26.2		ug/L		105	80 - 122		
Xylenes, Total			50.0	52.5		ug/L		105	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: MB 480-764999/1-A
Matrix: Water
Analysis Batch: 765132

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 764999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/17/25 09:07	12/18/25 14:23	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/17/25 09:07	12/18/25 14:23	1
Anthracene	ND		5.0	0.28	ug/L		12/17/25 09:07	12/18/25 14:23	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/17/25 09:07	12/18/25 14:23	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/17/25 09:07	12/18/25 14:23	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/17/25 09:07	12/18/25 14:23	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/17/25 09:07	12/18/25 14:23	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/17/25 09:07	12/18/25 14:23	1
Chrysene	ND		5.0	0.33	ug/L		12/17/25 09:07	12/18/25 14:23	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/17/25 09:07	12/18/25 14:23	1
Fluoranthene	ND		5.0	0.40	ug/L		12/17/25 09:07	12/18/25 14:23	1
Fluorene	ND		5.0	0.36	ug/L		12/17/25 09:07	12/18/25 14:23	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/17/25 09:07	12/18/25 14:23	1
Naphthalene	ND		5.0	0.76	ug/L		12/17/25 09:07	12/18/25 14:23	1

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

Lab Sample ID: MB 480-764999/1-A
Matrix: Water
Analysis Batch: 765132

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 764999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		5.0	0.44	ug/L		12/17/25 09:07	12/18/25 14:23	1
Pyrene	ND		5.0	0.34	ug/L		12/17/25 09:07	12/18/25 14:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*76*		*53 - 126*	*12/17/25 09:07*	*12/18/25 14:23*	*1*
Nitrobenzene-d5 (Surr)	*60*		*29 - 129*	*12/17/25 09:07*	*12/18/25 14:23*	*1*
p-Terphenyl-d14 (Surr)	*91*		*33 - 132*	*12/17/25 09:07*	*12/18/25 14:23*	*1*

Lab Sample ID: LCS 480-764999/2-A
Matrix: Water
Analysis Batch: 765132

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 764999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	32.0	25.2		ug/L		79	60 - 120
Acenaphthylene	32.0	24.2		ug/L		76	63 - 120
Anthracene	32.0	26.3		ug/L		82	67 - 120
Benzo[a]anthracene	32.0	25.7		ug/L		80	70 - 121
Benzo[a]pyrene	32.0	25.5		ug/L		80	60 - 123
Benzo[b]fluoranthene	32.0	25.7		ug/L		80	66 - 126
Benzo[g,h,i]perylene	32.0	25.9		ug/L		81	66 - 150
Benzo[k]fluoranthene	32.0	25.8		ug/L		81	65 - 124
Chrysene	32.0	27.3		ug/L		85	69 - 120
Dibenz(a,h)anthracene	32.0	26.5		ug/L		83	65 - 135
Fluoranthene	32.0	28.6		ug/L		89	69 - 126
Fluorene	32.0	26.1		ug/L		81	66 - 120
Indeno[1,2,3-cd]pyrene	32.0	24.5		ug/L		77	69 - 146
Naphthalene	32.0	20.8		ug/L		65	57 - 120
Phenanthrene	32.0	25.2		ug/L		79	68 - 120
Pyrene	32.0	24.8		ug/L		78	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*87*		*53 - 126*
Nitrobenzene-d5 (Surr)	*75*		*29 - 129*
p-Terphenyl-d14 (Surr)	*88*		*33 - 132*

Lab Sample ID: LCSD 480-764999/3-A
Matrix: Water
Analysis Batch: 765132

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 764999

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	32.0	25.9		ug/L		81	60 - 120	3	24
Acenaphthylene	32.0	25.4		ug/L		79	63 - 120	5	18
Anthracene	32.0	27.6		ug/L		86	67 - 120	5	15
Benzo[a]anthracene	32.0	26.2		ug/L		82	70 - 121	2	15
Benzo[a]pyrene	32.0	25.7		ug/L		80	60 - 123	0	15
Benzo[b]fluoranthene	32.0	25.4		ug/L		79	66 - 126	1	15
Benzo[g,h,i]perylene	32.0	26.1		ug/L		82	66 - 150	1	15
Benzo[k]fluoranthene	32.0	25.9		ug/L		81	65 - 124	0	22

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

Lab Sample ID: LCSD 480-764999/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 765132 — **Prep Batch: 764999**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chrysene			32.0	27.9		ug/L		87	69 - 120	2	15
Dibenz(a,h)anthracene			32.0	25.8		ug/L		81	65 - 135	3	15
Fluoranthene			32.0	30.0		ug/L		94	69 - 126	5	15
Fluorene			32.0	26.5		ug/L		83	66 - 120	2	15
Indeno[1,2,3-cd]pyrene			32.0	24.9		ug/L		78	69 - 146	2	15
Naphthalene			32.0	22.0		ug/L		69	57 - 120	5	29
Phenanthrene			32.0	26.8		ug/L		84	68 - 120	6	15
Pyrene			32.0	26.0		ug/L		81	70 - 125	5	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*91*		*53 - 126*
Nitrobenzene-d5 (Surr)	*81*		*29 - 129*
p-Terphenyl-d14 (Surr)	*90*		*33 - 132*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 480-765098/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 765098

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			12/18/25 06:59	1

Lab Sample ID: LCS 480-765098/6 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 765098

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methane			19.5	19.5		ug/L		100	85 - 115		

Lab Sample ID: 480-235230-1 DU — **Client Sample ID: MW6**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 765098

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Methane	64			73.8		ug/L				14	20

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 480-764974/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 765065 — **Prep Batch: 764974**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		12/17/25 09:05	12/17/25 14:16	1
Manganese	ND		0.0030	0.00040	mg/L		12/17/25 09:05	12/17/25 14:16	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-764974/2-A
Matrix: Water
Analysis Batch: 765065

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 764974

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron			5.10	5.93		mg/L		116	80 - 120		
Manganese			0.500	0.517		mg/L		103	80 - 120		

Lab Sample ID: LCSD 480-764974/3-A
Matrix: Water
Analysis Batch: 765065

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 764974

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron			5.10	5.92		mg/L		116	80 - 120	0	20
Manganese			0.500	0.519		mg/L		104	80 - 120	0	20

Lab Sample ID: 480-235230-1 MS
Matrix: Water
Analysis Batch: 765065

Client Sample ID: MW6
Prep Type: Total/NA
Prep Batch: 764974

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron	4.3		5.10	10.13		mg/L		114	75 - 125		
Manganese	0.66		0.500	1.17		mg/L		103	75 - 125		

Lab Sample ID: 480-235230-1 MSD
Matrix: Water
Analysis Batch: 765065

Client Sample ID: MW6
Prep Type: Total/NA
Prep Batch: 764974

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	4.3		5.10	10.19		mg/L		115	75 - 125	1	20
Manganese	0.66		0.500	1.18		mg/L		104	75 - 125	0	20

Lab Sample ID: MB 480-764973/1-A
Matrix: Water
Analysis Batch: 765087

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 764973

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.050	0.019	mg/L		12/17/25 09:08	12/17/25 15:26	1
Manganese, Dissolved	ND		0.0030	0.00040	mg/L		12/17/25 09:08	12/17/25 15:26	1

Lab Sample ID: LCS 480-764973/2-A
Matrix: Water
Analysis Batch: 765087

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 764973

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron, Dissolved			5.10	6.01		mg/L		118	80 - 120		
Manganese, Dissolved			0.500	0.532		mg/L		106	80 - 120		

Lab Sample ID: 480-235230-1 MS
Matrix: Water
Analysis Batch: 765087

Client Sample ID: MW6
Prep Type: Dissolved
Prep Batch: 764973

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron, Dissolved	1.2		5.10	7.10		mg/L		115	75 - 125		
Manganese, Dissolved	0.62		0.500	1.14		mg/L		104	75 - 125		

Method: 6010D - Metals (ICP)

Lab Sample ID: 480-235230-1 MSD
Matrix: Water
Analysis Batch: 765087

Client Sample ID: MW6
Prep Type: Dissolved
Prep Batch: 764973

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron, Dissolved	1.2		5.10	7.11		mg/L		115	75 - 125	0	20
Manganese, Dissolved	0.62		0.500	1.14		mg/L		104	75 - 125	0	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-765004/5
Matrix: Water
Analysis Batch: 765004

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			12/16/25 15:03	1

Lab Sample ID: LCS 480-765004/6
Matrix: Water
Analysis Batch: 765004

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.00	1.02		mg/L		102	90 - 110

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-765014/5
Matrix: Water
Analysis Batch: 765014

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.050	0.020	mg/L			12/16/25 14:14	1

Lab Sample ID: LCS 480-765014/6
Matrix: Water
Analysis Batch: 765014

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	1.50	1.47		mg/L		98	90 - 110

Lab Sample ID: 480-235230-1 MS
Matrix: Water
Analysis Batch: 765014

Client Sample ID: MW6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	0.022	J	0.998	0.931		mg/L		91	90 - 110

Lab Sample ID: 480-235230-1 MSD
Matrix: Water
Analysis Batch: 765014

Client Sample ID: MW6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	0.022	J	0.998	0.940		mg/L		92	90 - 110	1	20

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

Lab Sample ID: MB 480-765755/21
Matrix: Water
Analysis Batch: 765755

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			01/05/26 13:39	1

Lab Sample ID: HLCS 480-765755/22
Matrix: Water
Analysis Batch: 765755

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	0.365		mg/L		91	90 - 110

Lab Sample ID: LCS 480-765755/23
Matrix: Water
Analysis Batch: 765755

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	0.248		mg/L		99	90 - 110

Lab Sample ID: LLCS 480-765755/24
Matrix: Water
Analysis Batch: 765755

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	0.0124		mg/L		124	50 - 150

Lab Sample ID: 480-235230-1 MS
Matrix: Water
Analysis Batch: 765755

Client Sample ID: MW6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.021	H	0.100	0.120		mg/L		99	90 - 110

Lab Sample ID: 480-235230-1 DU
Matrix: Water
Analysis Batch: 765755

Client Sample ID: MW6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Total	0.021	H	0.0265	F5	mg/L		23	15

Method: D516-90, 02 - Sulfate

Lab Sample ID: MB 480-765046/15
Matrix: Water
Analysis Batch: 765046

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0	1.5	mg/L			12/17/25 08:45	1

Method: D516-90, 02 - Sulfate (Continued)

Lab Sample ID: MB 480-765046/20
Matrix: Water
Analysis Batch: 765046

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0	1.5	mg/L			12/17/25 08:47	1

Lab Sample ID: MB 480-765046/28
Matrix: Water
Analysis Batch: 765046

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0	1.5	mg/L			12/17/25 08:50	1

Lab Sample ID: LCS 480-765046/14
Matrix: Water
Analysis Batch: 765046

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			30.0	31.21		mg/L		104	90 - 110		

Lab Sample ID: LCS 480-765046/19
Matrix: Water
Analysis Batch: 765046

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			30.0	31.08		mg/L		104	90 - 110		

Lab Sample ID: LCS 480-765046/27
Matrix: Water
Analysis Batch: 765046

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			30.0	31.31		mg/L		104	90 - 110		

Lab Sample ID: 480-235230-1 MS
Matrix: Water
Analysis Batch: 765046

Client Sample ID: MW6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	37.2		20.0	59.72		mg/L		113	60 - 128		

Lab Sample ID: 480-235230-1 MSD
Matrix: Water
Analysis Batch: 765046

Client Sample ID: MW6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	37.2		20.0	59.90		mg/L		113	60 - 128	0	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 480-765140/5
Matrix: Water
Analysis Batch: 765140

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity	ND		5.0	0.79	mg/L			12/17/25 14:54	1

Lab Sample ID: LCS 480-765140/6
Matrix: Water
Analysis Batch: 765140

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity	100	105.0		mg/L		105	90 - 110

Method: SM 5310D - Organic Carbon, Total (TOC)

Lab Sample ID: MB 480-765218/28
Matrix: Water
Analysis Batch: 765218

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			12/18/25 00:51	1

Lab Sample ID: MB 480-765218/52
Matrix: Water
Analysis Batch: 765218

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			12/18/25 12:28	1

Lab Sample ID: LCS 480-765218/29
Matrix: Water
Analysis Batch: 765218

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	30.0	29.83		mg/L		99	90 - 110

Lab Sample ID: LCS 480-765218/53
Matrix: Water
Analysis Batch: 765218

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	30.0	29.79		mg/L		99	90 - 110

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.

Metals

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
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
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

GC/MS VOA

Analysis Batch: 764908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235230-1	MW6	Total/NA	Water	8260C	
480-235230-2	MW7	Total/NA	Water	8260C	
480-235230-3	MW8	Total/NA	Water	8260C	
480-235230-4	MW12RR	Total/NA	Water	8260C	
480-235230-5	MW13	Total/NA	Water	8260C	
480-235230-6	TB1-12152025	Total/NA	Water	8260C	
MB 480-764908/9	Method Blank	Total/NA	Water	8260C	
LCS 480-764908/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 764999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235230-1	MW6	Total/NA	Water	3510C	
480-235230-2	MW7	Total/NA	Water	3510C	
480-235230-3	MW8	Total/NA	Water	3510C	
480-235230-4	MW12RR	Total/NA	Water	3510C	
480-235230-5	MW13	Total/NA	Water	3510C	
MB 480-764999/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-764999/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-764999/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 765132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235230-1	MW6	Total/NA	Water	8270D	764999
480-235230-2	MW7	Total/NA	Water	8270D	764999
480-235230-3	MW8	Total/NA	Water	8270D	764999
480-235230-4	MW12RR	Total/NA	Water	8270D	764999
480-235230-5	MW13	Total/NA	Water	8270D	764999
MB 480-764999/1-A	Method Blank	Total/NA	Water	8270D	764999
LCS 480-764999/2-A	Lab Control Sample	Total/NA	Water	8270D	764999
LCSD 480-764999/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	764999

GC VOA

Analysis Batch: 765098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235230-1	MW6	Total/NA	Water	RSK-175	
480-235230-2	MW7	Total/NA	Water	RSK-175	
480-235230-3	MW8	Total/NA	Water	RSK-175	
480-235230-4	MW12RR	Total/NA	Water	RSK-175	
480-235230-5	MW13	Total/NA	Water	RSK-175	
MB 480-765098/5	Method Blank	Total/NA	Water	RSK-175	
LCS 480-765098/6	Lab Control Sample	Total/NA	Water	RSK-175	
480-235230-1 DU	MW6	Total/NA	Water	RSK-175	

Metals

Prep Batch: 764973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235230-1	MW6	Dissolved	Water	3005A	
480-235230-2	MW7	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 764973 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235230-3	MW8	Dissolved	Water	3005A	
480-235230-4	MW12RR	Dissolved	Water	3005A	
480-235230-5	MW13	Dissolved	Water	3005A	
MB 480-764973/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 480-764973/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
480-235230-1 MS	MW6	Dissolved	Water	3005A	
480-235230-1 MSD	MW6	Dissolved	Water	3005A	

Prep Batch: 764974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235230-1	MW6	Total/NA	Water	3005A	
480-235230-2	MW7	Total/NA	Water	3005A	
480-235230-3	MW8	Total/NA	Water	3005A	
480-235230-4	MW12RR	Total/NA	Water	3005A	
480-235230-5	MW13	Total/NA	Water	3005A	
MB 480-764974/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-764974/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 480-764974/3-A	Lab Control Sample Dup	Total/NA	Water	3005A	
480-235230-1 MS	MW6	Total/NA	Water	3005A	
480-235230-1 MSD	MW6	Total/NA	Water	3005A	

Analysis Batch: 765065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235230-1	MW6	Total/NA	Water	6010D	764974
480-235230-2	MW7	Total/NA	Water	6010D	764974
480-235230-3	MW8	Total/NA	Water	6010D	764974
480-235230-4	MW12RR	Total/NA	Water	6010D	764974
480-235230-5	MW13	Total/NA	Water	6010D	764974
MB 480-764974/1-A	Method Blank	Total/NA	Water	6010D	764974
LCS 480-764974/2-A	Lab Control Sample	Total/NA	Water	6010D	764974
LCSD 480-764974/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	764974
480-235230-1 MS	MW6	Total/NA	Water	6010D	764974
480-235230-1 MSD	MW6	Total/NA	Water	6010D	764974

Analysis Batch: 765087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235230-1	MW6	Dissolved	Water	6010D	764973
480-235230-2	MW7	Dissolved	Water	6010D	764973
480-235230-3	MW8	Dissolved	Water	6010D	764973
480-235230-4	MW12RR	Dissolved	Water	6010D	764973
480-235230-5	MW13	Dissolved	Water	6010D	764973
MB 480-764973/1-A	Method Blank	Total Recoverable	Water	6010D	764973
LCS 480-764973/2-A	Lab Control Sample	Total Recoverable	Water	6010D	764973
480-235230-1 MS	MW6	Dissolved	Water	6010D	764973
480-235230-1 MSD	MW6	Dissolved	Water	6010D	764973

General Chemistry

Analysis Batch: 765004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235230-1	MW6	Total/NA	Water	350.1	

General Chemistry (Continued)

Analysis Batch: 765004 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235230-2	MW7	Total/NA	Water	350.1	
480-235230-3	MW8	Total/NA	Water	350.1	
480-235230-4	MW12RR	Total/NA	Water	350.1	
480-235230-5	MW13	Total/NA	Water	350.1	
MB 480-765004/5	Method Blank	Total/NA	Water	350.1	
LCS 480-765004/6	Lab Control Sample	Total/NA	Water	350.1	

Analysis Batch: 765014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235230-1	MW6	Total/NA	Water	353.2	
480-235230-2	MW7	Total/NA	Water	353.2	
480-235230-3	MW8	Total/NA	Water	353.2	
480-235230-4	MW12RR	Total/NA	Water	353.2	
480-235230-5	MW13	Total/NA	Water	353.2	
MB 480-765014/5	Method Blank	Total/NA	Water	353.2	
LCS 480-765014/6	Lab Control Sample	Total/NA	Water	353.2	
480-235230-1 MS	MW6	Total/NA	Water	353.2	
480-235230-1 MSD	MW6	Total/NA	Water	353.2	

Analysis Batch: 765046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235230-1	MW6	Total/NA	Water	D516-90, 02	
480-235230-2	MW7	Total/NA	Water	D516-90, 02	
480-235230-3	MW8	Total/NA	Water	D516-90, 02	
480-235230-4	MW12RR	Total/NA	Water	D516-90, 02	
480-235230-5	MW13	Total/NA	Water	D516-90, 02	
MB 480-765046/15	Method Blank	Total/NA	Water	D516-90, 02	
MB 480-765046/20	Method Blank	Total/NA	Water	D516-90, 02	
MB 480-765046/28	Method Blank	Total/NA	Water	D516-90, 02	
LCS 480-765046/14	Lab Control Sample	Total/NA	Water	D516-90, 02	
LCS 480-765046/19	Lab Control Sample	Total/NA	Water	D516-90, 02	
LCS 480-765046/27	Lab Control Sample	Total/NA	Water	D516-90, 02	
480-235230-1 MS	MW6	Total/NA	Water	D516-90, 02	
480-235230-1 MSD	MW6	Total/NA	Water	D516-90, 02	

Analysis Batch: 765056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235230-1	MW6	Total/NA	Water	Nitrate by calc	
480-235230-2	MW7	Total/NA	Water	Nitrate by calc	
480-235230-3	MW8	Total/NA	Water	Nitrate by calc	
480-235230-4	MW12RR	Total/NA	Water	Nitrate by calc	
480-235230-5	MW13	Total/NA	Water	Nitrate by calc	

Analysis Batch: 765140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235230-1	MW6	Total/NA	Water	SM 2320B	
480-235230-2	MW7	Total/NA	Water	SM 2320B	
480-235230-3	MW8	Total/NA	Water	SM 2320B	
480-235230-4	MW12RR	Total/NA	Water	SM 2320B	
480-235230-5	MW13	Total/NA	Water	SM 2320B	
MB 480-765140/5	Method Blank	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 765140 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-765140/6	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 765218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235230-1	MW6	Total/NA	Water	SM 5310D	
480-235230-2	MW7	Total/NA	Water	SM 5310D	
480-235230-3	MW8	Total/NA	Water	SM 5310D	
480-235230-4	MW12RR	Total/NA	Water	SM 5310D	
480-235230-5	MW13	Total/NA	Water	SM 5310D	
MB 480-765218/28	Method Blank	Total/NA	Water	SM 5310D	
MB 480-765218/52	Method Blank	Total/NA	Water	SM 5310D	
LCS 480-765218/29	Lab Control Sample	Total/NA	Water	SM 5310D	
LCS 480-765218/53	Lab Control Sample	Total/NA	Water	SM 5310D	

Analysis Batch: 765219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235230-1	MW6	Dissolved	Water	SM 5310C	
480-235230-2	MW7	Dissolved	Water	SM 5310C	
480-235230-3	MW8	Dissolved	Water	SM 5310C	
480-235230-4	MW12RR	Dissolved	Water	SM 5310C	
480-235230-5	MW13	Dissolved	Water	SM 5310C	

Analysis Batch: 765755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235230-1	MW6	Total/NA	Water	9012B	
480-235230-2	MW7	Total/NA	Water	9012B	
480-235230-3	MW8	Total/NA	Water	9012B	
480-235230-4	MW12RR	Total/NA	Water	9012B	
480-235230-5	MW13	Total/NA	Water	9012B	
MB 480-765755/21	Method Blank	Total/NA	Water	9012B	
HLCS 480-765755/22	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-765755/23	Lab Control Sample	Total/NA	Water	9012B	
LLCS 480-765755/24	Lab Control Sample	Total/NA	Water	9012B	
480-235230-1 MS	MW6	Total/NA	Water	9012B	
480-235230-1 DU	MW6	Total/NA	Water	9012B	

Client Sample ID: MW6

Lab Sample ID: 480-235230-1

Date Collected: 12/15/25 13:10

Matrix: Water

Date Received: 12/16/25 08:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	764908	AXK	EET BUF	12/16/25 18:28
Total/NA	Prep	3510C			764999	JMP	EET BUF	12/17/25 09:07
Total/NA	Analysis	8270D		1	765132	JMM	EET BUF	12/18/25 15:41
Total/NA	Analysis	RSK-175		1	765098	MAN	EET BUF	12/18/25 07:41
Dissolved	Prep	3005A			764973	EMO	EET BUF	12/17/25 09:08
Dissolved	Analysis	6010D		1	765087	MP	EET BUF	12/17/25 15:30
Total/NA	Prep	3005A			764974	EMO	EET BUF	12/17/25 09:05
Total/NA	Analysis	6010D		1	765065	MP	EET BUF	12/17/25 14:37
Total/NA	Analysis	350.1		1	765004	AM	EET BUF	12/16/25 15:06
Total/NA	Analysis	353.2		1	765014	AM	EET BUF	12/16/25 14:15
Total/NA	Analysis	9012B		1	765755	GW	EET BUF	01/05/26 14:26
Total/NA	Analysis	D516-90, 02		5	765046	CG	EET BUF	12/17/25 08:52
Total/NA	Analysis	Nitrate by calc		1	765056	AM	EET BUF	12/16/25 13:54
Total/NA	Analysis	SM 2320B		1	765140	IMZ	EET BUF	12/17/25 15:57
Dissolved	Analysis	SM 5310C		1	765219	AF	EET BUF	12/18/25 15:51
Total/NA	Analysis	SM 5310D		1	765218	AF	EET BUF	12/18/25 09:34

Client Sample ID: MW7

Lab Sample ID: 480-235230-2

Date Collected: 12/15/25 13:00

Matrix: Water

Date Received: 12/16/25 08:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	764908	AXK	EET BUF	12/16/25 18:50
Total/NA	Prep	3510C			764999	JMP	EET BUF	12/17/25 09:07
Total/NA	Analysis	8270D		1	765132	JMM	EET BUF	12/18/25 16:08
Total/NA	Analysis	RSK-175		1	765098	MAN	EET BUF	12/18/25 08:19
Dissolved	Prep	3005A			764973	EMO	EET BUF	12/17/25 09:08
Dissolved	Analysis	6010D		1	765087	MP	EET BUF	12/17/25 15:45
Total/NA	Prep	3005A			764974	EMO	EET BUF	12/17/25 09:05
Total/NA	Analysis	6010D		1	765065	MP	EET BUF	12/17/25 14:47
Total/NA	Analysis	350.1		1	765004	AM	EET BUF	12/16/25 15:08
Total/NA	Analysis	353.2		1	765014	AM	EET BUF	12/16/25 14:16
Total/NA	Analysis	9012B		1	765755	GW	EET BUF	01/05/26 14:41
Total/NA	Analysis	D516-90, 02		1	765046	CG	EET BUF	12/17/25 08:46
Total/NA	Analysis	Nitrate by calc		1	765056	AM	EET BUF	12/16/25 14:00
Total/NA	Analysis	SM 2320B		1	765140	IMZ	EET BUF	12/17/25 16:16
Dissolved	Analysis	SM 5310C		1	765219	AF	EET BUF	12/18/25 16:20
Total/NA	Analysis	SM 5310D		1	765218	AF	EET BUF	12/18/25 10:03

Client Sample ID: MW8

Lab Sample ID: 480-235230-3

Date Collected: 12/15/25 15:30

Matrix: Water

Date Received: 12/16/25 08:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	764908	AXK	EET BUF	12/16/25 19:12
Total/NA	Prep	3510C			764999	JMP	EET BUF	12/17/25 09:07
Total/NA	Analysis	8270D		1	765132	JMM	EET BUF	12/18/25 16:34
Total/NA	Analysis	RSK-175		1	765098	MAN	EET BUF	12/18/25 08:38
Dissolved	Prep	3005A			764973	EMO	EET BUF	12/17/25 09:08
Dissolved	Analysis	6010D		1	765087	MP	EET BUF	12/17/25 15:47
Total/NA	Prep	3005A			764974	EMO	EET BUF	12/17/25 09:05
Total/NA	Analysis	6010D		1	765065	MP	EET BUF	12/17/25 14:49
Total/NA	Analysis	350.1		1	765004	AM	EET BUF	12/16/25 15:08
Total/NA	Analysis	353.2		1	765014	AM	EET BUF	12/16/25 14:17
Total/NA	Analysis	9012B		1	765755	GW	EET BUF	01/05/26 14:45
Total/NA	Analysis	D516-90, 02		1	765046	CG	EET BUF	12/17/25 08:48
Total/NA	Analysis	Nitrate by calc		1	765056	AM	EET BUF	12/16/25 14:51
Total/NA	Analysis	SM 2320B		1	765140	IMZ	EET BUF	12/17/25 16:24
Dissolved	Analysis	SM 5310C		1	765219	AF	EET BUF	12/18/25 16:50
Total/NA	Analysis	SM 5310D		1	765218	AF	EET BUF	12/18/25 10:31

Client Sample ID: MW12RR

Lab Sample ID: 480-235230-4

Date Collected: 12/15/25 17:00

Matrix: Water

Date Received: 12/16/25 08:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	764908	AXK	EET BUF	12/16/25 19:35
Total/NA	Prep	3510C			764999	JMP	EET BUF	12/17/25 09:07
Total/NA	Analysis	8270D		1	765132	JMM	EET BUF	12/18/25 17:01
Total/NA	Analysis	RSK-175		1	765098	MAN	EET BUF	12/18/25 08:56
Dissolved	Prep	3005A			764973	EMO	EET BUF	12/17/25 09:08
Dissolved	Analysis	6010D		1	765087	MP	EET BUF	12/17/25 15:49
Total/NA	Prep	3005A			764974	EMO	EET BUF	12/17/25 09:05
Total/NA	Analysis	6010D		1	765065	MP	EET BUF	12/17/25 14:51
Total/NA	Analysis	350.1		1	765004	AM	EET BUF	12/16/25 15:08
Total/NA	Analysis	353.2		1	765014	AM	EET BUF	12/16/25 14:17
Total/NA	Analysis	9012B		1	765755	GW	EET BUF	01/05/26 14:49
Total/NA	Analysis	D516-90, 02		1	765046	CG	EET BUF	12/17/25 08:48
Total/NA	Analysis	Nitrate by calc		1	765056	AM	EET BUF	12/16/25 14:04
Total/NA	Analysis	SM 2320B		1	765140	IMZ	EET BUF	12/17/25 16:31
Dissolved	Analysis	SM 5310C		1	765219	AF	EET BUF	12/18/25 20:13
Total/NA	Analysis	SM 5310D		1	765218	AF	EET BUF	12/18/25 11:00

Client Sample ID: MW13
Lab Sample ID: 480-235230-5

Date Collected: 12/15/25 15:35
Matrix: Water

Date Received: 12/16/25 08:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	764908	AXK	EET BUF	12/16/25 19:57
Total/NA	Prep	3510C			764999	JMP	EET BUF	12/17/25 09:07
Total/NA	Analysis	8270D		1	765132	JMM	EET BUF	12/18/25 17:27
Total/NA	Analysis	RSK-175		1	765098	MAN	EET BUF	12/18/25 09:15
Dissolved	Prep	3005A			764973	EMO	EET BUF	12/17/25 09:08
Dissolved	Analysis	6010D		1	765087	MP	EET BUF	12/17/25 15:51
Total/NA	Prep	3005A			764974	EMO	EET BUF	12/17/25 09:05
Total/NA	Analysis	6010D		1	765065	MP	EET BUF	12/17/25 15:01
Total/NA	Analysis	350.1		1	765004	AM	EET BUF	12/16/25 15:10
Total/NA	Analysis	353.2		1	765014	AM	EET BUF	12/16/25 14:18
Total/NA	Analysis	9012B		1	765755	GW	EET BUF	01/05/26 14:52
Total/NA	Analysis	D516-90, 02		1	765046	CG	EET BUF	12/17/25 08:48
Total/NA	Analysis	Nitrate by calc		1	765056	AM	EET BUF	12/16/25 14:05
Total/NA	Analysis	SM 2320B		1	765140	IMZ	EET BUF	12/17/25 16:37
Dissolved	Analysis	SM 5310C		1	765219	AF	EET BUF	12/18/25 20:41
Total/NA	Analysis	SM 5310D		1	765218	AF	EET BUF	12/18/25 15:22

Client Sample ID: TB1-12152025
Lab Sample ID: 480-235230-6

Date Collected: 12/15/25 16:00
Matrix: Water

Date Received: 12/16/25 08:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	764908	AXK	EET BUF	12/16/25 20:20

Laboratory References:

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

Accreditation/Certification Summary

Client: GEI Consultants Inc
Project/Site: NFG Hornell

Job ID: 480-235230-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by New York NELAP 10026. This list may include analytes for which the agency does not offer certification :

Analysis Method	Prep Method	Matrix	Analyte
SM 5310C		Water	Dissolved Organic Carbon
SM 5310D		Water	Total Organic Carbon

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: A. Sock, J. Pashie	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-209542-42319.1
Client Contact: Ms. Emily Dallas	Phone:	E-Mail: John.Schove@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: GEI Consultants Inc	PWSID:			Job #:
Address: 950 Danby Road Suite 201-F	Due Date Requested: See WO			
City: Ithaca	TAT Requested (days): See WO			
State, Zip: NY, 14850	Compliance Project: Δ Yes Δ No			
Phone: 607-216-8966(Tel)	PO #: 1801687.1.8			
Email: edallas@geiconsultants.com	WO #:			
Project Name: Hornell, NY - MGP Site - Quarterly	Project #: 48027937			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
B - NaOH
N - None
D - HNO3
A - HCL
S - H2SO4
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9012B_NP - Cyanide	8270D - PAH	6010D - Metals - Iron & Manganese	6010D - Metals - Dissolved Iron & Manganese	RSK_175 - Methane	8260C - BTEX	SM5310D - TOC	SM5310_DOC_C - DOC	350.1 - Ammonia	353.2, 353.2_Nitrite, D516, Nitrate_Calc	2320B - Alkalinity			Total Number of containers	Special Instructions/Note:
Preservation Code:							B	N	D	D	A	A	S	S	S	N	N				
MW6	12/15/25	1310	G	Water	X		X	X	X	X	X	X	X	X	X	X	X				
MW7		1306		Water																	
MW8		1530		Water																	
MW12RR		1700		Water																	
MW13		1535		Water																	
TB1 - 12152025		1600		Water																	
TB2 - 12152025		1600																			

480-235230 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Jessica Pashie	12/16/25 8:40	GEI		12/16/25 8:55AM	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 1.9 2.0 ICE

Ver: 10/10/2024

1/16/2026
4:13:23 PM

Login Sample Receipt Checklist

Client: GEI Consultants Inc

Job Number: 480-235230-1

Login Number: 235230

List Source: Eurofins Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.9,2.0 ICE IR# SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	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

Site: Hornell, NY Groundwater Sampling
Laboratory: Eurofins, Amherst, NY
Report Number: 480-235230
Reviewer: Bethany Russell/GEI Consultants
Date: January 15, 2026

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	Level 2 Review
MW6	480-235230-1	BTEX, PAH, Cyanide, total and dissolved Iron and Manganese, Methane, TOC, DOC, Ammonia, Nitrate and Nitrite, and Alkalinity
MW7	480-235230-2	BTEX, PAH, Cyanide, total and dissolved Iron and Manganese, Methane, TOC, DOC, Ammonia, Nitrate and Nitrite, and Alkalinity
MW8	480-235230-3	BTEX, PAH, Cyanide, total and dissolved Iron and Manganese, Methane, TOC, DOC, Ammonia, Nitrate and Nitrite, and Alkalinity
MW12RR	480-235230-4	BTEX, PAH, Cyanide, total and dissolved Iron and Manganese, Methane, TOC, DOC, Ammonia, Nitrate and Nitrite, and Alkalinity
MW13	480-235230-5	BTEX, PAH, Cyanide, total and dissolved Iron and Manganese, Methane, TOC, DOC, Ammonia, Nitrate and Nitrite, and Alkalinity
TB1-12152025	480-235230-6	BTEX

Associated QC Samples:
Trip/Field Blanks: TB1-12152025
Field Duplicate Pair: None associated

The above-listed aqueous samples and trip blank sample were collected on December 15, 2025 and were analyzed for BTEX volatile organic compounds (VOCs) by SW-846 method 8260C, polynuclear aromatic hydrocarbon (PAH) semivolatile organic compounds (SVOCs) by SW-846 method 8270D, total cyanide by SW-846 method 9012B, select total and dissolved metals by SW-846 method 6010C, methane by method RSK-175, ammonia by EPA method 350.1, nitrite by EPA method 353.2, sulfate by ASTM method D516-90,02, nitrate by SM method Nitrate by calc, Alkalinity by SM method 2320B, dissolved organic carbon (DOC) by SM method 5310C, and total organic carbon (TOC) by SM method 5310D. The data validation was performed in accordance with the following USEPA Region 2 Documents: Standard Operating Procedure (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 *ICP-AES Data Validation*, QA-HWSS-A-010 (March 2022), SOP *for Cyanide Data Validation*, QA-HWSS-A-012 (March 2022), as well as by the methods referenced by the data package and professional and technical judgment.

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) Results
- Laboratory Duplicate Results
- Field Duplicate Results

- Laboratory Control Sample (LCS) Results
- Internal Standards
- Serial Dilution Results
- Quantitation Limits
- Sample Quantitation and Compound Identification

Results appear usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers. Select results were qualified as estimated due to blank contamination, hold time exceedances, and uncertainty for levels below the reporting limit. These results were considered valid; even though some were qualified as discussed below.

The validation findings were based on the following information.

Data Completeness

A revised data package was requested to correct the narrative comment on the hold time exceedance for total cyanide.

Holding Times and Sample Preservation

All criteria were met except where noted below.

Sample	Analysis	Hold Time	Exceedance	Validation Action
MW6	Total Cyanide	14 days	7 days	Estimate (J) the results for total cyanide in the affected samples.
MW7				
MW8				
MW12RR				
MW13				

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

All initial and continuing calibration criteria were met except where noted below.

Instrument/ Calibration Standard	Compound	Calibration Exceedance	Validation Qualifier
Metals			
ICP metals ICSA standard Analysis	Manganese	Detected >MDL	No validation action required. Interferent levels are not similar to ICSA sample.
Associated samples: MW6, MW7, MW8, MW12RR, MW13			

Reporting limit standard Criteria of 70-130 %R not met: estimate (J/UJ) results <10xRL dependent on recovery.
ICSA Detections >MDL; Evaluation required if sample interferent levels are similar to ICSA sample.

Blanks

Contamination was not detected in the laboratory instrument and method blank samples, and field blank and trip blank samples. except where noted below.

Analyte	Blank ID/ Associated Samples	Blank Concentration	2X Action Level	10X Action Level	Validation Actions
Dissolved Iron	CCB 480-765087/28: MW6, MW7, MW8, MW12RR, MW13	0.0207 mg/L	0.0414 mg/L	0.207 mg/L	Estimate (J) the detect result in sample MW7. Qualify the result as nondetect at the reporting limit in sample MW8.
Dissolved Manganese	CCB 480-765087/16: MW6, MW7, MW8, MW12RR, MW13	0.000710 mg/L	0.00142 mg/L	0.00710 mg/L	Estimate (J) the detect result in sample MW7.
Total Iron	CCB 480-765065/16: MW6, MW7, MW8, MW12RR, MW13	0.000710 mg/L	0.00142 mg/L	0.00710 mg/L	Estimate (J) the detect result in sample MW8. Qualify the detect result as nondetect at the reporting limit in samples MW12RR and MW13.
Total Cyanide	ICB 1/5/26: MW6, MW7, MW8, MW12RR, MW13	0.00580 mg/L	0.0116 mg/L	0.0580 mg/L	Estimate (J) the detect result in samples MW6, MW7, MW8, MW12RR. Qualify the detect result as nondetect at the reporting limit in sample MW13.

Blank Actions:
If the sample result is < RL (<2xRL for common contaminants); report the result as nondetect (U) at the reporting limit (RL) or reported value.
If the sample result is ≥ RL and <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

All criteria were met.

MS/MSD Results

MS/MSD analyses were performed on sample MW6 for total and dissolved metals, nitrite, total cyanide, and sulfate. All recovery and precision criteria were met for sample levels less than four times the spike amount.

Laboratory Duplicate Results

Laboratory duplicate analyses were performed on sample MW6 for methane and total cyanide. All precision criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set.

LCS Results

All criteria were met.

Internal Standards

All criteria were met.

Quantitation Limits

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL). If detected, these results were qualified as estimated (J) by the laboratory. The direction of the bias is indeterminate for these results.

The following table lists the sample dilutions which were performed to bring results within the instrument calibration range.

Sample	Analysis	Dilution Performed
MW6	Sulfate	The sample was analyzed at a 5-fold dilution due to high analyte level.

Serial Dilution Results

A serial dilution analysis was performed on sample MW6 for total and dissolved metals. Precision criteria were met.

Sample Quantitation and Compound Identification

Compound identification criteria were met. Calculations were spot-checked; no discrepancies were noted.

A comparison of total and dissolved metals results was performed. All sample total metals results exceeded those of the dissolved metals.

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
			Sample Date	8/18/2020	8/13/2024	11/25/2024	3/18/2025	6/3/2025	9/11/2025	12/15/2025
Analyte	**Units**	**CAS No.**	**NYS AWQS**							
BTEX	ug/L									
Benzene		71-43-2	1	1 U	**0.41 J**	1 U	1 U	1 U	1 UJ	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 UJ	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
Total BTEX		NE	NE	ND	**0.41**	ND	ND	ND	ND	ND
PAHs	ug/L									
Acenaphthene		83-32-9	20*	**4.7**	**5.3**	**6.7**	**6.2**	**4.9 J**	**6.3 J**	**2.5 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**
Anthracene		120-12-7	50*	**0.13**	5 U	5 U	5 U	5.4 U	5.4 UJ	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
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
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
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
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
Chrysene		218-01-9	0.002*	0.02 U	5 U	5 U	5 U	5.4 U	5.4 UJ	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
Fluoranthene		206-44-0	50*	**0.18**	5 U	5 U	5 U	5.4 U	5.4 UJ	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**
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
Naphthalene		91-20-3	10*	**0.15**	5 U	5 U	5 U	5.4 U	5.4 UJ	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
Pyrene		129-00-0	50*	**0.085**	5 U	5 U	5 U	5.4 U	5.4 UJ	5.0 U
Total PAHs		NE	NE	**9.675**	**12.4**	**16**	**14.5**	**11.6**	**13.9 J**	**5.96 J**
Cyanides	ug/L									
Total Cyanide		57-12-5	200	10 U	**43**	**31**	**45 J**	**48 J**	**19 J**	**21 J**
Dissolved Metals	ug/L									
Iron		7439-89-6	300	**30.2 J**	--	**1500**	--	--	--	**1200**
Manganese		7439-96-5	300	**725**	--	**520**	--	--	--	**620**
Total Metals	ug/L									
Iron		7439-89-6	300	**4900**	--	**2200**	--	--	--	**4,300**
Manganese		7439-96-5	300	**758**	--	**550**	--	--	--	**660**
Other	ug/L									
Alkalinity		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
			Sample Date	8/18/2020	8/13/2024	11/25/2024	3/18/2025	6/3/2025	9/11/2025	12/15/2025
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
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 UJ	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
Total BTEX		NE	NE	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
Acenaphthylene		208-96-8	NE	0.02 U	5.2 U	5 U	5 U	5.2 U	5.2 UJ	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
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
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
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
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
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
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
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
Fluoranthene		206-44-0	50*	0.02 U	5.2 U	5 U	5 U	5.2 U	5.2 UJ	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
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
Naphthalene		91-20-3	10*	0.02 U	5.2 U	5 U	5 U	5.2 U	5.2 UJ	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
Pyrene		129-00-0	50*	0.02 U	5.2 U	5 U	5 U	5.2 U	5.2 UJ	5.0 U
Total PAHs		NE	NE	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**
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
			Sample Date	8/18/2020	8/13/2024	11/25/2024	3/18/2025	6/3/2025	9/11/2025	12/15/2025
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
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 UJ	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
Total BTEX		NE	NE	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
Acenaphthylene		208-96-8	NE	0.02 U	5.2 U	5 U	5 U	5 U	6.3 UJ	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
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
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
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
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
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
Chrysene		218-01-9	0.002*	0.02 U	5.2 U	5 U	5 U	5 U	6.3 UJ	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
Fluoranthene		206-44-0	50*	0.02 U	5.2 U	5 U	5 U	5 U	6.3 UJ	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
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
Naphthalene		91-20-3	10*	**0.024**	5.2 U	5 U	5 U	5 U	6.3 UJ	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
Pyrene		129-00-0	50*	0.02 U	5.2 U	5 U	5 U	5 U	6.3 UJ	5.0 U
Total PAHs		NE	NE	**0.024**	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**
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
			Sample Date	8/17/2020	8/13/2024	11/25/2024	3/18/2025	6/3/2025	9/11/2025	12/15/2025
Analyte	**Units**	**CAS No.**	**NYS AWQS**							
BTEX	ug/L									
Benzene		71-43-2	1	1 U	**320**	1 U	1 U	1 U	1 UJ	1 U
Toluene		108-88-3	5	1 U	**120**	1 U	1 U	1 U	1 UJ	1 U
Ethylbenzene		100-41-4	5	1 U	**28**	1 U	1 U	1 U	1 UJ	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
Total BTEX		NE	NE	ND	**630**	ND	ND	ND	ND	ND
PAHs	ug/L									
Acenaphthene		83-32-9	20*	0.02 U	**11**	10 U	25 U	5.2 U	5 UJ	5.0 U
Acenaphthylene		208-96-8	NE	**0.09**	**5.4**	10 U	25 U	5.2 U	5 UJ	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
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
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
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
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
Benzo(a)pyrene		50-32-8	ND	0.02 U	5 U	10 U	25 U	5.2 U	5 UJ	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
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
Fluoranthene		206-44-0	50*	0.02 U	**0.5 J**	10 U	25 U	5.2 U	5 UJ	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
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
Naphthalene		91-20-3	10*	**0.057**	**640**	10 U	25 U	5.2 U	5 UJ	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
Pyrene		129-00-0	50*	0.02 U	**0.53 J**	10 U	25 U	5.2 U	5 UJ	5.0 U
Total PAHs		NE	NE	**0.178**	**663.4**	ND	ND	ND	ND	ND
Cyanides	ug/L									
Total Cyanide		57-12-5	200	10 U	**120**	**17**	**28 J**	**57 J**	**14 J**	**15 J**
Dissolved Metals	ug/L									
Iron		7439-89-6	300	**53.3**	--	50 U	--	--	--	50 U
Manganese		7439-96-5	300	**1670**	--	**210**	--	--	--	3.0 U
Total Metals	ug/L									
Iron		7439-89-6	300	**268**	--	50 U	--	--	--	**83**
Manganese		7439-96-5	300	**1710**	--	**220**	--	--	--	**1.1**
Other	ug/L									
Alkalinity		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

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

				Pre-Remediation	Post-Remediation[2]				
			Sample Name	MW13	MW13	MW13	MW13	MW13	MW13
			Sample Date	8/18/2020	11/25/2024	3/18/2025	6/3/2025	9/11/2025	12/15/2025
Analyte	**Units**	**CAS No.**	**NYS AWQS**						
BTEX	ug/L								
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 UJ	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 UJ	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 UJ	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
Total BTEX		NE	NE	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
Acenaphthylene		208-96-8	NE	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U
Anthracene		120-12-7	50*	0.02 U	5 U	5 U	5 U	5.2 UJ	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
Benzo(b)fluoranthene		205-99-2	0.002*	0.02 U	5 U	5 U	5 U	5.2 UJ	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
Benzo(g,h,i)perylene		191-24-2	NE	0.02 U	5 U	5 U	5 U	5.2 UJ	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
Chrysene		218-01-9	0.002*	0.02 U	5 U	5 U	5 U	5.2 UJ	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
Fluoranthene		206-44-0	50*	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U
Fluorene		86-73-7	50*	0.02 U	5 U	5 U	5 U	5.2 UJ	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
Naphthalene		91-20-3	10*	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U
Phenanthrene		85-01-8	50*	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U
Pyrene		129-00-0	50*	0.02 U	5 U	5 U	5 U	5.2 UJ	5.0 U
Total PAHs		NE	NE	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
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

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

Notes:

(1) MW12R was inadvertantly 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, Dibenz[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 detects
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 com

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