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Date: January 27, 2023
Our Ref: 30126623
Subject: **Fourth Quarter 2022 Groundwater Monitoring Report**
New York State Electric & Gas Corporation
Penn Yan Former Manufactured Gas Plant, Penn Yan, New York
NYSDEC Site No. 862009

Dear Mr. Pratt,

On behalf of New York State Electric & Gas Corporation (NYSEG), this letter summarizes activities completed during the fourth quarter of 2022 (Q4) for the NYSEG Penn Yan former manufactured gas plant (MGP) site (New York State Department of Environmental Conservation [NYSDEC] Site No. 862009), located in the Village of Penn Yan, Town of Milo, Yates County, New York (Figure 1).

Arcadis of New York, Inc. (Arcadis) conducted the Q4 monitoring in accordance with the NYSDEC-approved December 2020 Interim Site Management Plan (ISMP)[1] prepared by AECOM. This quarterly report summarizes activities conducted from October 1, 2022, to December 31, 2022, and includes data from the November 21-22, 2022 monitoring event.

Relevant background information is presented in the following section, followed by a summary of the Q4 monitoring and operation and maintenance activities.

Background

The former MGP site is approximately 0.815 acres and comprises a vacant masonry building, 2 feet of grass-covered soil (meeting restricted-residential use soil cleanup objectives [6 New York Codes, Rules, and Regulations Part 375-6.7(d)])[1], an asphalt driveway and parking area, and a section of riparian land along the Keuka Lake Outlet. The offsite project area consists of an approximate 1.7-acre portion of submerged sediments beneath the Keuka Lake Outlet (Class C waterway) comprising a 6-inch-thick geoweb infilled with 1 inch of AquaGate® overlain by 5 inches of Aquablok® and a minimum of 1 foot of clean soil[1], adjacent and downstream of the site.

The site was initially developed as a malt house and wood storage facility, operating from the 1840s to the late 1890s. The MGP was constructed in 1899 and operated until 1931. During this period, gas was manufactured with a coal gasification process using coal, coke, and water. Operating companies included the Penn Yan Gas Light

[1] AECOM. 2020. *Interim Site Management Plan*, Penn Yan Former Manufactured Gas Plant Site, Yates County, Penn Yan, New York. December.

Company (1899-1926) and the New York State Central Electric Corporation (1927-1931). Following production, gas was distributed to customers through buried mains and was used primarily for illumination. Several by-products from the MGP process, including coal tar, ash, and purifier waste, were stored onsite and either sold or disposed offsite.

The primary constituents of concern at the site are benzene, toluene, ethylbenzene, and xylenes (BTEX); polycyclic aromatic hydrocarbons (PAHs); and cyanide. Since the mid-1980s, the site has undergone several remedial investigations and interim remedial measures and actions to address the presence of impacted soils and former MGP structures. Historical site investigations and remedial actions are summarized in the ISMP.[1]

Fourth Quarter 2022 Monitoring and Sampling

As presented in the ISMP[1], groundwater remedy objectives for the Q4 monitoring period are to:

- assess site groundwater movement patterns; and
- collect/analyze site groundwater samples to document quarterly dissolved BTEX, PAHs, and total cyanide concentrations.

To document achieving the objectives, this report presents:

- Site-wide data collected during the monitoring period, including groundwater analytical data and groundwater elevation data; and
- Conclusions and monitoring modification recommendations, as appropriate.

Groundwater Gauging Activities and Results

During the Q4 monitoring event, field personnel measured depth to groundwater, depth to non-aqueous phase liquid, and depth to bottom from surveyed measuring points at the following monitoring wells screened in the shallow (i.e., water table) and deep groundwater-bearing units (shown on Figure 2):

- Shallow groundwater-bearing unit: PRMW-1S, PRMW-2S, PRMW-3S, PRWM-4S, PRMW-5S, and PRMW-6S; and
- Deep groundwater-bearing unit: PRMW-2D, PRMW-3D, PRMW-5D, PRMW-6D, TMW-1D, and TMW-2DR.

Monitoring well TMW-2D was obstructed during the Q4 monitoring event; therefore, the depth to groundwater was unable to be measured, and a groundwater sample was unable to be collected. Gauging results, including calculated groundwater elevations and sediment thickness during this reporting period and previous monitoring events, are summarized in Table 1.

Groundwater Elevation and Flow

The Q4 gauging event shallow water table and deep potentiometric contour maps are presented on Figures 3 and 4, respectively. As shown on the figures, the shallow and deep groundwater flow directions were generally to the southeast, toward the Keuka Lake Outlet. When compared to the shallow water table and deep potentiometric surface maps for the August 2022 (third quarter of 2022 [Q3]) event, no significant changes to site-wide groundwater flow direction are observed.

Non-Aqueous Phase Liquid Monitoring

Non-aqueous phase liquid was not observed in any of the monitoring wells gauged during the reporting period.

Well Depth Monitoring

Calculated sediment thickness in each well is summarized in Table 1. Less than 0.5 feet of accumulated sediment was measured in all monitoring wells gauged during the reporting period, except for PRMW-5D. Accumulated sediment thickness in PRMW-5D ranged from 0.73 to 1.72 feet.

Groundwater Sampling Activities and Results

Arcadis conducted the Q4 groundwater sampling event on November 21 and 22, 2022. Groundwater sampling activities and associated analytical results are summarized below.

Groundwater Sampling Activities

Arcadis field personnel collected groundwater samples from 12 monitoring wells (PRMW-1S, PRMW-2S, PRMW-2D, PRMW-3S, PRMW-3D, PRWM-4S, PRMW-5S, PRMW-5D, PRMW-6S, PRMW-6D, TMW-1D, and TMW-2DR) using low-flow groundwater purging and sampling techniques. Groundwater samples and appropriate quality assurance/quality control samples, to facilitate data validation, were submitted to Eurofins Laboratories, located in Amherst, New York, for the following analysis:

- BTEX using United States Environmental Protection Agency (USEPA) SW-846 Method 8260C;
- PAHs using USEPA SW-846 Method 8270D; and
- Total cyanide using USEPA SW-846 Method 9012B.

Groundwater sampling logs are provided as Attachment 1.

Groundwater Quality

Arcadis validated the laboratory analytical data and prepared a Data Usability Summary Report (DUSR). The data review indicated that overall laboratory performance was acceptable, and the overall data quality was within the guidelines specified in the respective methods. Instances where laboratory performance was not acceptable (if any) are detailed in the DUSR, and the data has been appropriately qualified. Laboratory reports are included as Attachment 2, and the DUSR is included as Attachment 3.

The analytical results presented in Table 2 are compared to the NYSDEC's Division of Water Technical and Operational Guidance Series 1.1.1: Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations Class GA (Class GA) groundwater quality standards/guidance values. Table 2 also includes analytical results for groundwater samples collected during previous groundwater sampling events (conducted by Arcadis and AECOM).

Shallow Groundwater-Bearing Unit

BTEX, PAH, and total cyanide analytical results for groundwater samples collected from the shallow monitoring wells (PRMW-1S, PRMW-2S, PRMW-3S, PRMW-4S, PRMW-5S, and PRMW-6S) during the reporting period are summarized below.

- BTEX:
  - Benzene (6.1 micrograms per liter [µg/L]) was detected in the groundwater sample collected from monitoring well PRMW-5S at a concentration exceeding the Class GA groundwater quality standard.
  - Ethylbenzene (2.4 µg/L) and total xylenes (1.4 µg/L) were detected in the groundwater sample collected from monitoring well PRMW-5S at concentrations less than the Class GA groundwater quality standards.
  - BTEX was not detected in groundwater samples collected from the remaining shallow monitoring wells.
  - BTEX detections and concentration trends in the shallow monitoring wells are consistent with historical results. However, BTEX concentrations decreased in monitoring well PRMW-5S when compared to the results from the Q3 monitoring event (i.e., 19 ug/L and 9.9 ug/L, respectively).
- PAHs:
  - Naphthalene (12 µg/L) was detected in the groundwater sample collected from monitoring well PRMW-5S at a concentration exceeding the Class GA groundwater quality standard or guidance value.
  - Acenaphthene (11 µg/L), acenaphthylene (1.9 µg/L), fluoranthene (1.3 µg/L), fluorene (3.5 µg/L), phenanthrene (1.4 µg/L), and pyrene (0.83 µg/L) were detected in the groundwater sample collected from monitoring well PRMW-5S at concentrations less than their respective Class GA groundwater quality standards or guidance values.
  - PAHs were not detected in groundwater samples collected from the remaining shallow monitoring wells.
  - PAH detections and concentration trends in shallow monitoring wells are consistent with historical results. The concentration of naphthalene in monitoring well PRWM-5S increased when compared to the results from the Q3 monitoring event (i.e., 6.4 ug/L and 12 ug/L, respectively); however, the Q4 result is less than historical concentrations and indicates an overall decreasing concentration trend.
- Total Cyanide:
  - Total cyanide was not detected in groundwater samples collected from the shallow monitoring wells.
  - Total cyanide concentrations in shallow monitoring wells are consistent with historical results.

Deep Groundwater-Bearing Unit

BTEX, PAHs, and total cyanide groundwater analytical results for samples collected from the deep monitoring wells (PRMW-2D, PRMW-3D, PRMW-5D, PRMW-6D, and TMW-1D) during the reporting period are summarized below.

- BTEX:
  - BTEX was not detected in groundwater samples collected from the deep monitoring wells.
- PAHs:
  - Naphthalene (0.098 µg/L) was detected in the groundwater sample collected from monitoring well PRMW-2D at a concentration less than the Class GA groundwater quality standard.
  - Acenaphthene (0.039 µg/L) was detected in the groundwater sample collected from monitoring well PRMW-5D at a concentration less than the Class GA groundwater quality standard.
  - PAH detections and concentration trends in monitoring well PRMW-5D are consistent with historical results. However, naphthalene has not previously been detected in monitoring well PRMW-2D.
- Total cyanide:
  - Total cyanide was not detected in groundwater samples collected from the deep monitoring wells.

Waste Management

Arcadis containerized and staged investigation-derived waste generated during the groundwater sampling activities in appropriately labeled, New York State Department of Transportation-approved, 55-gallon drums. Drums of investigation-derived waste were subsequently transported offsite for treatment/disposal by NYSEG's waste disposal vendor.

Conclusions

The Q4 monitoring results are generally consistent with historical groundwater results. Based on the Q4 monitoring results:

- The groundwater flow direction in the shallow and deep groundwater-bearing units is generally consistent with historical conditions.
- BTEX concentrations in the groundwater sample collected from monitoring well PRMW-5S decreased slightly when compared to the Q3 results. When compared to historical results, both BTEX and PAH concentrations in the shallow and deep groundwater-bearing units indicate a decreasing trend.
- Naphthalene was detected in the groundwater sample collected from monitoring well PRMW-2D at a concentration less than the Class GA groundwater quality standard. Naphthalene has not previously been detected in PRMW-2D and will be monitored during future quarterly monitoring events.
- Total cyanide concentrations in the shallow and deep groundwater-bearing units are consistent with historical results.

Quarterly monitoring and reporting will continue to be completed as required by the ISMP.[1] The next groundwater sampling event is scheduled for February 2023. Groundwater samples will continue to be analyzed for BTEX, PAHs, and total cyanide as required by the ISMP.

Recommendations

Based on data from this monitoring period, the following are recommended:

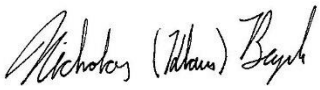
- Remove sediment from monitoring well PRMW-5D using a pump or weighted bailer.
- Abandon monitoring wells TMW-1D and TMW-2D in accordance with NYSDEC CP-43[2] by grouting in place. Monitoring wells TMW-1D and TMW-2D were originally installed as pairs, with an associated shallow well (i.e., TMW-1S and TMW2S, respectively), during site remedial activities to monitor artesian conditions within the deep groundwater-bearing unit.[3] AECOM decommissioned monitoring wells TMW-1S and TMW-2S,[3] and Arcadis installed monitoring well TMW-2DR in April 2022 to replace monitoring well TMW-2D, which was reported by AECOM as being blocked during the second quarter 2021 groundwater monitoring event[4]. Arcadis recommends decommissioning monitoring wells TMW-1D, TMW-2D, and TMW-2DR, considering artesian conditions in the deep-water bearing unit no longer need to be monitored, and there is a deep well network to monitor groundwater quality at the site.

[2] NYSDEC. 2009. *CP43: Groundwater Monitoring Well Decommissioning Policy.* November 3.
[3] AECOM. 2021. *Draft Groundwater Well Installation and Monitoring Report*, Water Street Former Manufactured Gas Plant Site, Penn Yan, New York, NYSDEC Site: 862009. July 20.
[4] AECOM. 2021. *Draft Groundwater Monitoring Event Report – 2021 Q2,* Penn Yan Water Street Former MGP Site, Penn Yan, New York, NYSDEC Site: 8-62-009. September 17.

Mr. Gerald Pratt, PG
New York State Department of Environmental Conservation
January 27, 2023

Please contact John Ruspantini of NYSEG at 607.725.3801 or jjruspantini@nyseg.com with any questions or comments.

Sincerely,
Arcadis of New York, Inc.



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Enclosures:

- Table 1 – Gauging Data
- Table 2 – Groundwater Analytical Results
- Figure 1 – Site Location Map
- Figure 2 – Site Map
- Figure 3 – Shallow Groundwater Contour Map, November 22, 2022
- Figure 4 – Deep Groundwater Contour Map, November 22, 2022
- Attachment 1 – Groundwater Sampling Logs
- Attachment 2 – Groundwater Laboratory Reports
- Attachment 3 – Data Usability Summary Report

Tables

Table 1
Gauging Data

Fourth Quarter 2022 Groundwater Monitoring Report
New York State Electric & Gas Corporation
Penn Yan Former Manufactured Gas Plant
Penn Yan, New York

Well ID	Measuring Point Elevation	Actual Depth to Bottom	Screen Interval	Date	Depth to Water (feet TOC)	Groundwater Elevation	Depth to Product (feet TOC)	Depth to Bottom (feet TOC)	Accumulated Sediment Thickness (feet)
PRMW-1S	731.11	29.90	20 - 30	February 22, 2021	15.40	715.71	-	29.90	0.00
				May 24, 2021	11.23	719.88	-	29.75	0.15
				August 23, 2021	6.52	724.59	-	29.68	0.22
				November 29, 2021	10.10	721.01	-	29.63	0.27
				February 24, 2022	10.20	720.91	-	29.69	0.21
				May 31, 2022	10.86	720.25	-	29.67	0.23
				August 3, 2022	10.84	720.27	-	29.61	0.29
				November 22, 2022	10.43	720.68	-	29.70	0.20
PRMW-2S	734.55	23.09	10 - 20	February 22, 2021	16.10	718.45	-	23.09	0.00
				May 24, 2021	15.63	718.92	-	23.07	0.02
				August 23, 2021	14.19	720.36	-	23.02	0.07
				November 29, 2021	12.13	722.42	-	23.00	0.09
				February 24, 2022	14.87	719.68	-	22.98	0.11
				May 31, 2022	15.71	718.84	-	22.98	0.11
				August 3, 2022	16.26	718.29	-	22.94	0.15
				November 22, 2022	15.76	718.79	-	23.05	0.04
PRMW-2D	734.64	38.55	25 - 35	February 22, 2021	16.47	718.17	-	38.55	0.00
				May 24, 2021	15.84	718.80	-	37.92	0.63
				August 23, 2021	14.59	720.05	-	37.73	0.82
				November 29, 2021	15.14	719.50	-	37.76	0.79
				February 24, 2022	15.08	719.56	-	37.86	0.69
				May 31, 2022	15.68	718.96	-	37.82	0.73
				August 3, 2022	15.89	718.75	-	37.78	0.77
				November 22, 2022	15.82	718.82	-	38.09	0.46
PRMW-3S	723.73	22.90	10 - 20	February 22, 2021	7.72	716.01	-	22.90	0.00
				May 24, 2021	7.42	716.31	-	22.98	-0.08
				August 23, 2021	6.31	717.42	-	22.68	0.22
				November 29, 2021	6.90	716.83	-	22.79	0.11
				February 24, 2022	6.88	716.85	-	22.85	0.05
				May 31, 2022	7.18	716.55	-	22.80	0.10
				August 3, 2022	7.25	716.48	-	22.76	0.14
				November 22, 2022	7.42	716.31	-	22.80	0.10
PRMW-3D	723.81	36.25	25 - 35	February 22, 2021	6.80	717.01	-	36.25	0.00
				May 24, 2021	5.64	718.17	-	36.01	0.24
				August 23, 2021	4.89	718.92	-	35.84	0.41
				November 29, 2021	4.94	718.87	-	35.88	0.37
				February 24, 2022	4.93	718.88	-	35.90	0.35
				May 31, 2022	5.04	718.77	-	35.85	0.40
				August 3, 2022	5.85	717.96	-	35.78	0.47
				November 22, 2022	6.42	717.39	-	35.85	0.40
PRMW-4S	721.92	27.30	14 - 24	February 22, 2021	7.52	714.40	-	27.30	0.00
				May 24, 2021	7.26	714.66	-	27.20	0.10
				August 23, 2021	6.00	715.92	-	27.04	0.26
				November 29, 2021	6.89	715.03	-	27.06	0.24
				February 24, 2022	6.26	715.66	-	27.10	0.20
				May 31, 2022	7.16	714.76	-	27.09	0.21
				August 3, 2022	7.20	714.72	-	27.05	0.25
				November 22, 2022	7.40	714.52	-	27.12	0.18
PRMW-5S	720.72	22.70	10 - 20	February 22, 2021	7.10	713.62	-	22.70	0.00
				May 24, 2021	6.66	714.06	-	22.67	0.03
				August 23, 2021	6.17	714.55	-	22.54	0.16
				November 29, 2021	6.88	713.84	-	22.60	0.10
				February 24, 2022	6.48	714.24	-	22.61	0.09
				May 31, 2022	6.45	714.27	-	22.59	0.11
				August 3, 2022	6.84	713.88	-	22.54	0.16
				November 22, 2022	7.17	713.55	-	22.60	0.10

See Notes on Page 2.

Table 1
Gauging Data

Fourth Quarter 2022 Groundwater Monitoring Report
New York State Electric & Gas Corporation
Penn Yan Former Manufactured Gas Plant
Penn Yan, New York

Well ID	Measuring Point Elevation	Actual Depth to Bottom	Screen Interval	Date	Depth to Water (feet TOC)	Groundwater Elevation	Depth to Product (feet TOC)	Depth to Bottom (feet TOC)	Accumulated Sediment Thickness (feet)
PRMW-5D	720.74	33.27	20 - 30	February 22, 2021	4.32	716.42	-	33.27	0.00
				May 24, 2021	3.24	717.50	-	32.45	0.82
				August 23, 2021	2.62	718.12	-	32.23	1.04
				November 29, 2021	2.63	718.11	-	32.00	1.27
				February 24, 2022	3.30	717.44	-	32.54	0.73
				May 31, 2022	2.80	717.94	-	31.71	1.56
				August 3, 2022	3.58	717.16	-	31.59	1.68
				November 22, 2022	4.00	716.74	-	31.55	1.72
PRMW-6S	721.10	23.20	10 - 20	February 22, 2021	6.52	714.58	-	23.20	0.00
				May 24, 2021	6.28	714.82	-	23.10	0.10
				August 23, 2021	6.05	715.05	-	23.02	0.18
				November 29, 2021	6.04	715.06	-	23.08	0.12
				February 24, 2022	6.13	714.97	-	23.08	0.12
				May 31, 2022	6.09	715.01	-	23.05	0.15
				August 3, 2022	6.08	715.02	-	23.00	0.20
				November 22, 2022	8.75	712.35	-	23.04	0.16
PRMW-6D	721.22	37.05	24 - 34	February 22, 2021	4.85	716.37	-	37.05	0.00
				May 24, 2021	3.75	717.47	-	37.05	0.00
				August 23, 2021	2.99	718.23	-	36.87	0.18
				November 29, 2021	3.06	718.16	-	36.90	0.15
				February 24, 2022	3.97	717.25	-	36.94	0.11
				May 31, 2022	3.17	718.05	-	36.89	0.16
				August 3, 2022	3.82	717.40	-	36.84	0.21
				November 22, 2022	4.39	716.83	-	36.90	0.15
TMW-1D	723.45	-	54 - 64	May 24, 2021	5.17	718.28	-	63.38	-
				August 23, 2021	3.07	720.38	-	63.14	-
				November 29, 2021	4.40	719.05	-	63.25	-
				February 24, 2022	4.43	719.02	-	63.37	-
				May 31, 2022	4.76	718.69	-	63.42	-
				August 3, 2022	5.45	718.00	-	63.25	-
				November 22, 2022	5.86	717.59	-	63.60	-
TMW-2D	719.24	-	50 - 60	February 22, 2021	2.03	717.21	-	-	-
				May 24, 2021	0.79	718.45	-	-	-
				August 23, 2021	0.40	718.84	-	-	-
				November 29, 2021	0.09	719.15	-	-	-
				February 24, 2022	0.15	719.09	-	-	-
				May 31, 2022	0.15	719.09	-	-	-
				August 3, 2022	1.07	718.17	-	-	-
				November 22, 2022	-	-	-	-	-
TMW-2DR	719.23	-	50 - 60	August 3, 2022	1.17	718.06	-	59.20	-
				November 22, 2022	1.57	717.66	-	59.50	-

Notes:
1. All measurements from Top of Casing (TOC).
2. "-" Indicates measurement not taken or not available.
3. Elevations in feet above mean sea level, 1929 National Geodetic Vertical Datum.
4. Depth calculated based on survey and well installation information provided by AECOM.

Table 2
Groundwater Analytical Results

Fourth Quarter 2022 Groundwater Monitoring Report
New York State Electric & Gas Corporation
Penn Yan Former Manufactured Gas Plant
Penn Yan, New York

Location ID:	NYSDEC TOGS 1.1.1 Standards or Guidance Values	Units	PRMW-1S							PRMW-2D						
Date Collected:			05/26/21	08/23/21	11/29/21	02/25/22	06/01/22	08/04/22	11/22/22	05/25/21	08/25/21	11/30/21	02/25/22	06/01/22	08/04/22	11/22/22
BTEX																
Benzene	1	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	5	ug/L	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total BTEX	- -	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.49 U	5.0 U	0.48 U	5.2 U	5.0 U	5.0 U	0.52 U	0.50 U	5.0 U	0.52 U
Acenaphthylene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.30 U	0.29 U	5.0 U	0.29 U	5.2 U	5.0 U	5.0 U	0.31 U	0.30 U	5.0 U	0.31 U
Anthracene	50	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.49 U	5.0 U	0.48 U	5.2 U	5.0 U	5.0 U	0.52 U	0.50 U	5.0 U	0.52 U
Benzo(a)anthracene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.30 U	0.29 U	5.0 U	0.29 U	5.2 U	5.0 U	5.0 U	0.31 UJ	0.30 U	5.0 U	0.31 U
Benzo(a)pyrene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.18 U	0.17 U	5.0 U	0.17 U	5.2 U	5.0 U	5.0 U	0.19 UJ	0.18 U	5.0 U	0.19 U
Benzo(b)fluoranthene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.30 U	0.29 U	5.0 U	0.29 U	5.2 U	5.0 U	5.0 U	0.31 UJ	0.30 U	5.0 U	0.31 U
Benzo(g,h,i)perylene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.49 U	5.0 U	0.48 U	5.2 U	5.0 U	5.0 U	0.52 UJ	0.50 U	5.0 U	0.52 U
Benzo(k)fluoranthene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.30 U	0.29 U	5.0 U	0.29 U	5.2 U	5.0 U	5.0 U	0.31 UJ	0.30 U	5.0 U	0.31 U
Chrysene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.49 U	5.0 U	0.48 U	5.2 U	5.0 U	5.0 U	0.52 UJ	0.50 U	5.0 U	0.52 U
Dibenzo(a,h)anthracene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.49 U	5.0 U	0.48 U	5.2 U	5.0 U	5.0 U	0.52 UJ	0.50 U	5.0 U	0.52 U
Fluoranthene	50	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.49 U	5.0 U	0.48 U	5.2 U	5.0 U	5.0 U	0.52 U	0.50 U	5.0 U	0.52 U
Fluorene	50	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.49 U	5.0 U	0.48 U	5.2 U	5.0 U	5.0 U	0.52 U	0.50 U	5.0 U	0.52 U
Indeno(1,2,3-cd)pyrene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.49 U	5.0 U	0.48 U	5.2 U	5.0 U	5.0 U	0.52 UJ	0.50 U	5.0 U	0.52 U
Naphthalene	10	ug/L	5.2 U	5.0 U	5.0 U	1.0 U	0.97 U	5.0 U	0.95 U	5.2 U	5.0 U	5.0 U	1.0 U	1.0 U	5.0 U	**0.098 J**
Phenanthrene	50	ug/L	5.2 U	5.0 UJB	5.0 U	0.20 U	0.19 U	5.0 U	0.19 U	5.2 U	5.0 U	5.0 U	0.21 U	0.20 U	5.0 U	0.21 U
Pyrene	50	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.49 U	5.0 U	0.48 U	5.2 U	5.0 U	5.0 U	0.52 U	0.50 U	5.0 U	0.52 U
Total PAHs	- -	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.098 J**
Inorganics																
Cyanide, Total	0.2	mg/L	0.01 U	0.01 U	0.01 U	0.010 U	0.010 U	0.010 UB	0.0100 U	0.01 U	0.01 U	0.01 U	0.010 U	0.010 UB	0.010 UB	0.0100 U

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Table 2
Groundwater Analytical Results

Fourth Quarter 2022 Groundwater Monitoring Report
New York State Electric & Gas Corporation
Penn Yan Former Manufactured Gas Plant
Penn Yan, New York

Location ID:	NYSDEC TOGS 1.1.1 Standards or Guidance Values	Units	PRMW-2S							PRMW-3D						
Date Collected:			05/25/21	08/24/21	11/30/21	02/25/22	06/01/22	08/04/22	11/22/22	05/24/21	08/24/21	11/30/21	02/25/22	06/01/22	08/04/22	11/21/22
BTEX																
Benzene	1	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	5	ug/L	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total BTEX	- -	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.51 U	5.0 U	0.49 U	5.2 U	5.0 U	5.0 U	0.52 U	0.49 U	5.0 U	0.50 U
Acenaphthylene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.30 U	0.30 U	5.0 U	0.29 U	5.2 U	5.0 U	5.0 U	0.31 U	0.29 U	5.0 U	0.30 U
Anthracene	50	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.51 U	5.0 U	0.49 U	5.2 U	5.0 U	5.0 U	0.52 U	0.49 U	5.0 U	0.50 U
Benzo(a)anthracene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.30 U	0.30 U	5.0 U	0.29 U	5.2 U	5.0 U	5.0 U	0.31 U	0.29 U	5.0 U	0.30 U
Benzo(a)pyrene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.18 U	0.18 U	5.0 U	0.18 U	5.2 U	5.0 U	5.0 U	0.19 U	0.17 U	5.0 U	0.18 U
Benzo(b)fluoranthene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.30 U	0.30 U	5.0 U	0.29 U	5.2 U	5.0 U	5.0 U	0.31 U	0.29 U	5.0 U	0.30 U
Benzo(g,h,i)perylene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.51 U	5.0 U	0.49 U	5.2 U	5.0 U	5.0 U	0.52 U	0.49 U	5.0 U	0.50 U
Benzo(k)fluoranthene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.30 U	0.30 U	5.0 U	0.29 U	5.2 U	5.0 U	5.0 U	0.31 U	0.29 U	5.0 U	0.30 U
Chrysene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.51 U	5.0 U	0.49 U	5.2 U	5.0 U	5.0 U	0.52 U	0.49 U	5.0 U	0.50 U
Dibenzo(a,h)anthracene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.51 U	5.0 U	0.49 U	5.2 U	5.0 U	5.0 U	0.52 U	0.49 U	5.0 U	0.50 U
Fluoranthene	50	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.51 U	5.0 U	0.49 U	5.2 U	5.0 U	5.0 U	0.52 U	0.49 U	5.0 U	0.50 U
Fluorene	50	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.51 U	5.0 U	0.49 U	5.2 U	5.0 U	5.0 U	0.52 U	0.49 U	5.0 U	0.50 U
Indeno(1,2,3-cd)pyrene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.51 U	5.0 U	0.49 U	5.2 U	5.0 U	5.0 U	0.52 U	0.49 U	5.0 U	0.50 U
Naphthalene	10	ug/L	5.2 U	5.0 U	5.0 U	1.0 U	1.0 U	5.0 U	0.98 U	5.2 U	5.0 U	5.0 U	1.0 U	0.97 U	5.0 U	0.99 U
Phenanthrene	50	ug/L	5.2 U	5.0 U	5.0 U	0.20 U	0.20 U	5.0 U	0.20 U	5.2 U	5.0 U	5.0 U	0.21 U	0.19 U	5.0 U	0.20 U
Pyrene	50	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.51 U	5.0 U	0.49 U	5.2 U	5.0 U	5.0 U	0.52 U	0.49 U	5.0 U	0.50 U
Total PAHs	- -	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics																
Cyanide, Total	0.2	mg/L	**0.015 J**	**0.064**	**0.09**	**0.077**	**0.078 J**	0.010 U	0.0690 UB	0.01 U	0.01 U	0.01 U	0.010 U	0.010 U	0.010 UB	0.0100 U

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Table 2
Groundwater Analytical Results

Fourth Quarter 2022 Groundwater Monitoring Report
New York State Electric & Gas Corporation
Penn Yan Former Manufactured Gas Plant
Penn Yan, New York

Location ID:	NYSDEC TOGS 1.1.1 Standards or Guidance Values	Units	PRMW-3S							PRMW-4S						
Date Collected:			05/24/21	08/24/21	11/30/21	02/25/22	05/31/22	08/04/22	11/21/22	05/25/21	08/23/21	11/29/21	02/25/22	05/31/22	08/04/22	11/22/22
BTEX																
Benzene	1	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	5	ug/L	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total BTEX	- -	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	ug/L	5.2 U	5.0 U	5.0 U	0.51 U	0.49 U	5.0 U	0.49 U	5.2 U	5.0 U	5.0 U	10 U	0.48 U	5.0 U	0.48 U
Acenaphthylene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.31 U	0.29 U	5.0 U	0.29 U	5.2 U	5.0 U	5.0 U	6.1 U	0.29 U	5.0 U	0.29 U
Anthracene	50	ug/L	5.2 U	5.0 U	5.0 U	0.51 U	0.49 U	5.0 U	0.49 U	5.2 U	5.0 U	5.0 U	10 U	0.48 U	5.0 U	0.48 U
Benzo(a)anthracene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.31 U	0.29 UJ	5.0 U	0.29 UJ	5.2 U	5.0 U	5.0 U	6.1 U	0.29 U	5.0 U	0.29 U
Benzo(a)pyrene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.18 U	0.17 UJ	5.0 U	0.18 UJ	5.2 U	5.0 U	5.0 U	3.7 U	0.17 U	5.0 U	0.17 U
Benzo(b)fluoranthene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.31 U	0.29 UJ	5.0 U	0.29 UJ	5.2 U	5.0 U	5.0 U	6.1 U	0.29 U	5.0 U	0.29 U
Benzo(g,h,i)perylene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.51 U	0.49 UJ	5.0 U	0.49 U	5.2 U	5.0 U	5.0 U	10 U	0.48 U	5.0 U	0.48 U
Benzo(k)fluoranthene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.31 U	0.29 UJ	5.0 U	0.29 U	5.2 U	5.0 U	5.0 U	6.1 U	0.29 U	5.0 U	0.29 U
Chrysene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.51 U	0.49 UJ	5.0 U	0.49 UJ	5.2 U	5.0 U	5.0 U	10 U	0.48 U	5.0 U	0.48 U
Dibenzo(a,h)anthracene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.51 U	0.49 UJ	5.0 U	0.49 U	5.2 U	5.0 U	5.0 U	10 U	0.48 U	5.0 U	0.48 U
Fluoranthene	50	ug/L	5.2 U	5.0 U	5.0 U	0.51 U	0.49 U	5.0 U	0.49 U	5.2 U	5.0 U	5.0 U	10 U	0.48 U	5.0 U	0.48 U
Fluorene	50	ug/L	5.2 U	5.0 U	5.0 U	0.51 U	0.49 U	5.0 U	0.49 U	5.2 U	5.0 U	5.0 U	10 U	0.48 U	5.0 U	0.48 U
Indeno(1,2,3-cd)pyrene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.51 U	0.49 UJ	5.0 U	0.49 U	5.2 U	5.0 U	5.0 U	10 U	0.48 U	5.0 U	0.48 U
Naphthalene	10	ug/L	5.2 U	5.0 U	5.0 U	1.0 U	0.97 U	5.0 U	0.98 U	5.2 U	5.0 U	5.0 U	20 U	0.95.0 U	5.0 U	0.95 U
Phenanthrene	50	ug/L	5.2 U	5.0 U	5.0 U	0.20 U	0.19 U	5.0 U	0.20 U	5.2 U	5.0 U	5.0 U	4.1 U	0.19 U	5.0 U	0.19 U
Pyrene	50	ug/L	5.2 U	5.0 U	5.0 U	0.51 U	0.49 U	5.0 U	0.49 U	5.2 U	5.0 U	5.0 U	10 U	0.48 U	5.0 U	0.48 U
Total PAHs	- -	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics																
Cyanide, Total	0.2	mg/L	**0.011**	0.01 U	**0.27**	0.010 U	0.010 U	0.010 UBJ	0.0100 U	0.01 U	**0.0072 J**	0.01 U	0.010 U	**0.0056 J**	0.011 UB	0.0100 U

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Table 2
Groundwater Analytical Results

Fourth Quarter 2022 Groundwater Monitoring Report
New York State Electric & Gas Corporation
Penn Yan Former Manufactured Gas Plant
Penn Yan, New York

Location ID:	NYSDEC TOGS 1.1.1 Standards or Guidance Values	Units	PRMW-5D							PRMW-5S						
Date Collected:			05/24/21	08/24/21	11/30/21	02/25/22	05/31/22	08/03/22	11/21/22	05/25/21	08/25/21	11/30/21	02/25/22	05/31/22	08/03/22	11/21/22
BTEX																
Benzene	1	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**23**	**21**	**27**	**14**	**16**	**12**	**6.1**
Ethylbenzene	5	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**2.4 J**	**3**	**5.9**	**3.3**	**5.7**	**4.5**	**2.4**
Toluene	5	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.75 J**	**0.9 J**	**1.6**	**0.65 J**	**0.95 J**	**0.69 J**	1.0 U
Xylenes (total)	5	ug/L	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**4.9 J**	**3.3**	**6.6**	**2.9**	**4.1**	**2.2**	**1.4 J**
Total BTEX	- -	ug/L	ND	ND	ND	ND	ND	ND	ND	**31 J**	**28 J**	**41**	**21 J**	**27 J**	**19 J**	**9.9 J**
PAHs																
Acenaphthene	20	ug/L	5.2 U	5.0 U	5.0 U	**0.055 J**	**0.048 J**	5.0 U	**0.039 J**	**22**	**39**	**15**	**26 D**	**18 D**	**14 J**	**11**
Acenaphthylene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.30 U	0.31 U	5.0 U	0.29 U	**4.4 J**	**7.6**	**3.4 J**	**5.2**	**3.5**	**2.7 J**	**1.9**
Anthracene	50	ug/L	5.2 U	5.0 U	5.0 U	0.51 U	0.51 U	5.0 U	0.48 U	**1.5 J**	**1.6 J**	**0.52 J**	**0.73**	**0.32 J**	25.0 U	2.4 U
Benzo(a)anthracene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.30 U	0.31 U	5.0 U	0.29 U	5.2 U	**0.39 J**	5.0 U	0.32 U	**0.055 J**	25.0 U	1.4 U
Benzo(a)pyrene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.18 U	0.18 U	5.0 U	0.17 U	5.2 U	5.0 U	5.0 U	0.19 U	0.18 U	25.0 U	0.86 U
Benzo(b)fluoranthene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.30 U	0.31 U	5.0 U	0.29 U	5.2 U	5.0 U	5.0 U	0.32 U	0.31 U	25.0 U	1.4 U
Benzo(g,h,i)perylene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.51 U	0.51 U	5.0 U	0.48 U	5.2 U	5.0 U	5.0 U	0.53 U	0.51 U	25.0 U	2.4 U
Benzo(k)fluoranthene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.30 U	0.31 U	5.0 U	0.29 U	5.2 U	5.0 U	5.0 U	0.32 U	0.31 U	25.0 U	1.4 U
Chrysene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.51 U	0.51 U	5.0 U	0.48 U	5.2 U	5.0 U	5.0 U	**0.084 J**	0.51 U	25.0 U	2.4 U
Dibenzo(a,h)anthracene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.51 U	0.51 U	5.0 U	0.48 U	5.2 U	5.0 U	5.0 U	0.53 U	0.51 U	25.0 U	2.4 U
Fluoranthene	50	ug/L	5.2 U	5.0 U	5.0 U	0.51 U	0.51 U	5.0 U	0.48 U	**3 J**	**5.5**	**2.1 J**	**2.5**	**1.5**	25.0 U	**1.3 J**
Fluorene	50	ug/L	5.2 U	5.0 U	5.0 U	0.51 U	0.51 U	5.0 U	0.48 U	**7**	**12**	**5.5**	**10**	**5.6**	**4.9 J**	**3.5**
Indeno(1,2,3-cd)pyrene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.51 U	0.51 U	5.0 U	0.48 U	5.2 U	5.0 U	5.0 U	0.53 U	0.51 U	25.0 U	2.4 U
Naphthalene	10	ug/L	5.2 U	5.0 U	5.0 U	1.0 U	1.0 U	5.0 U	0.95 U	**44**	**45**	**44**	**26 D**	**29 D**	**6.4 J**	**12**
Phenanthrene	50	ug/L	5.2 U	5.0 U	5.0 U	**0.066 J**	0.20 U	5.0 U	0.19 U	**8.2**	**21 B**	**5.7**	**9.8**	**3.8**	**2.8 J**	**1.4**
Pyrene	50	ug/L	5.2 U	5.0 U	5.0 U	0.51 U	0.51 U	5.0 U	0.48 U	**2 J**	**3.4 J**	**1.3 J**	**1.5**	**0.85**	25.0 U	**0.83 J**
Total PAHs	- -	ug/L	ND	ND	ND	**0.12 J**	**0.048 J**	ND	**0.039 J**	**92 J**	**140 J**	**78 J**	**82 J**	**63 J**	**31 J**	**31.9 J**
Inorganics																
Cyanide, Total	0.2	mg/L	0.01 U	0.01 U	0.01 U	0.010 U	0.010 U	0.010 UB	0.0100 U	**0.016**	**0.11**	0.01 U	**0.076**	**0.047 J**	**0.045**	0.0110 UB

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Table 2
Groundwater Analytical Results

Fourth Quarter 2022 Groundwater Monitoring Report
New York State Electric & Gas Corporation
Penn Yan Former Manufactured Gas Plant
Penn Yan, New York

Location ID:	NYSDEC TOGS 1.1.1 Standards or Guidance Values	Units	PRMW-6D							PRMW-6S						
Date Collected:			05/25/21	08/24/21	11/30/21	02/25/22	05/31/22	08/03/22	11/21/22	05/25/21	08/24/21	11/30/21	02/25/22	05/31/22	08/03/22	11/21/22
BTEX																
Benzene	1	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	5	ug/L	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total BTEX	- -	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.48 U	5.0 U	0.48 U	5.4 U	5.0 U	5.0 U	0.51 U	0.48 U	5.0 U	0.48 U
Acenaphthylene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.30 U	0.29 U	5.0 U	0.29 U	5.4 U	5.0 U	5.0 U	0.31 U	0.29 U	5.0 U	0.29 U
Anthracene	50	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.48 U	5.0 U	0.48 U	5.4 U	5.0 U	5.0 U	0.51 U	0.48 U	5.0 U	0.48 U
Benzo(a)anthracene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.30 U	0.29 U	5.0 U	0.29 U	5.4 U	5.0 U	5.0 U	0.31 U	0.29 U	5.0 U	0.29 U
Benzo(a)pyrene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.18 U	0.17 U	5.0 U	0.17 U	5.4 U	5.0 U	5.0 U	0.18 U	0.17 U	5.0 U	0.17 U
Benzo(b)fluoranthene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.30 U	0.29 U	5.0 U	0.29 U	5.4 U	5.0 U	5.0 U	0.31 U	0.29 U	5.0 U	0.29 U
Benzo(g,h,i)perylene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.48 U	5.0 U	0.48 U	5.4 U	5.0 U	5.0 U	0.51 U	0.48 U	5.0 U	0.48 U
Benzo(k)fluoranthene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.30 U	0.29 U	5.0 U	0.29 U	5.4 U	5.0 U	5.0 U	0.31 U	0.29 U	5.0 U	0.29 U
Chrysene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.48 U	5.0 U	0.48 U	5.4 U	5.0 U	5.0 U	0.51 U	0.48 U	5.0 U	0.48 U
Dibenzo(a,h)anthracene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.48 U	5.0 U	0.48 U	5.4 U	5.0 U	5.0 U	0.51 U	0.48 U	5.0 U	0.48 U
Fluoranthene	50	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.48 U	5.0 U	0.48 U	5.4 U	5.0 U	5.0 U	0.51 U	0.48 U	5.0 U	0.48 U
Fluorene	50	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.48 U	5.0 U	0.48 U	5.4 U	5.0 U	5.0 U	0.51 U	0.48 U	5.0 U	0.48 U
Indeno(1,2,3-cd)pyrene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.48 U	5.0 U	0.48 U	5.4 U	5.0 U	5.0 U	0.51 U	0.48 U	5.0 U	0.48 U
Naphthalene	10	ug/L	5.2 U	5.0 U	5.0 U	1.0 U	0.95.0 U	5.0 U	0.95 U	5.4 U	5.0 U	5.0 U	1.0 U	0.96 U	5.0 U	0.95 U
Phenanthrene	50	ug/L	5.2 U	5.0 U	5.0 U	0.20 U	0.19 U	5.0 U	0.19 U	5.4 U	5.0 U	5.0 U	0.20 U	0.19 U	5.0 U	0.19 U
Pyrene	50	ug/L	5.2 U	5.0 U	5.0 U	0.50 U	0.48 U	5.0 U	0.48 U	5.4 U	5.0 U	5.0 U	0.51 U	0.48 U	5.0 U	0.48 U
Total PAHs	- -	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics																
Cyanide, Total	0.2	mg/L	0.01 U	0.01 U	0.01 U	0.010 U	**0.0060 J**	0.010 UB	0.0100 U	0.01 U	0.01 U	**0.051**	0.010 U	0.010 U	0.010 UB	0.0100 U

See Notes on Page 6.

Table 2
Groundwater Analytical Results

Fourth Quarter 2022 Groundwater Monitoring Report
New York State Electric & Gas Corporation
Penn Yan Former Manufactured Gas Plant
Penn Yan, New York

Location ID:	NYSDEC TOGS 1.1.1 Standards or Guidance Values	Units	TMW-1D							TMW-2D	TMW-2DR	
Date Collected:			05/26/21	08/25/21	11/30/21	02/25/22	06/01/22	08/03/22	11/21/22	02/24/21	08/03/22	11/21/22
BTEX												
Benzene	1	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	5	ug/L	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total BTEX	- -	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs												
Acenaphthene	20	ug/L	5.2 U	5.0 U	5.0 U	0.52 U	0.48 U	5.0 U	0.50 U	5.4 U	5.0 U	0.52 U
Acenaphthylene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.31 U	0.29 U	5.0 U	0.30 U	5.4 U	5.0 U	0.31 U
Anthracene	50	ug/L	5.2 U	5.0 U	5.0 U	0.52 U	0.48 U	5.0 U	0.50 U	5.4 U	5.0 U	0.52 U
Benzo(a)anthracene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.31 U	0.29 U	5.0 U	0.30 U	5.4 U	5.0 U	0.31 U
Benzo(a)pyrene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.19 U	0.17 U	5.0 U	0.18 U	5.4 U	5.0 U	0.19 U
Benzo(b)fluoranthene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.31 U	0.29 U	5.0 U	0.30 U	5.4 U	5.0 U	0.31 U
Benzo(g,h,i)perylene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.52 U	0.48 U	5.0 U	0.50 U	5.4 U	5.0 U	0.52 U
Benzo(k)fluoranthene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.31 U	0.29 U	5.0 U	0.30 U	5.4 U	5.0 U	0.31 U
Chrysene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.52 U	0.48 U	5.0 U	0.50 U	5.4 U	5.0 U	0.52 U
Dibenzo(a,h)anthracene	- -	ug/L	5.2 U	5.0 U	5.0 U	0.52 U	0.48 U	5.0 U	0.50 U	5.4 U	5.0 U	0.52 U
Fluoranthene	50	ug/L	5.2 U	5.0 U	5.0 U	0.52 U	0.48 U	5.0 U	0.50 U	5.4 U	5.0 U	0.52 U
Fluorene	50	ug/L	5.2 U	5.0 U	5.0 U	0.52 U	0.48 U	5.0 U	0.50 U	5.4 U	5.0 U	0.52 U
Indeno(1,2,3-cd)pyrene	0.002	ug/L	5.2 U	5.0 U	5.0 U	0.52 U	0.48 U	5.0 U	0.50 U	5.4 U	5.0 U	0.52 U
Naphthalene	10	ug/L	5.2 U	5.0 U	5.0 U	1.0 U	0.96 U	5.0 U	0.99 U	5.4 U	5.0 U	1.0 U
Phenanthrene	50	ug/L	5.2 U	5.0 U	5.0 U	0.21 U	0.19 U	5.0 U	0.20 U	5.4 U	5.0 U	0.21 U
Pyrene	50	ug/L	5.2 U	5.0 U	5.0 U	0.52 U	0.48 U	5.0 U	0.50 U	5.4 U	5.0 U	0.52 U
Total PAHs	- -	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics												
Cyanide, Total	0.2	mg/L	0.01 UJ	0.01 U	0.01 U	0.010 U	0.010 U	0.010 UB	0.0100 U	**0.0081 J**	0.010 U	0.0100 U

Notes:
1. Samples were submitted to Eurofins TestAmerica, Buffalo, New York, for analysis using USEPA SW-846 Methods 8260B (BTEX), 8270C (PAHs), and 9012B (cyanide).
2. Sample results detected above the Method Detection Limit are presented in bold font.
3. Shading indicates that the result exceeds the NYSDEC TOGS 1.1.1 Water Quality Standard or Guidance Value.

Laboratory Qualifiers:
B - The compound has been detected in the sample as well as its associated blank, its presence in the sample may be suspect.
D - Concentration is based on diluted sample analysis.
J - The compound was positively identified; however, the associated numerical value is an estimated concentration only.
U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
UB - Compound is considered non-detect at the listed value due to associated blank contamination.
UJ - The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

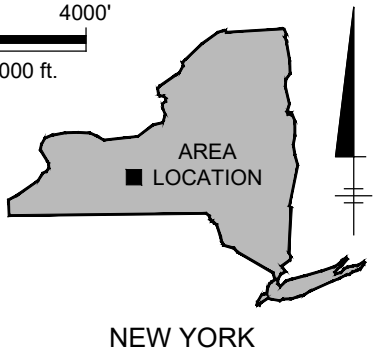
Acronyms and Abbreviations:
BTEX - Benzene, Ethylbenzene, Toluene, Xylenes
mg/L - milligrams per liter
NA - not analyzed
ND - not detected
NYSDEC - New York State Department of Environmental Conservation
PAH - Polycyclic Aromatic Hydrocarbon
TOGS - Technical and Operational Guidance Series
ug/L - micrograms per liter
USEPA - United States Environmental Protection Agency

Figures

REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., PENN YAN, NY, 2019.

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.

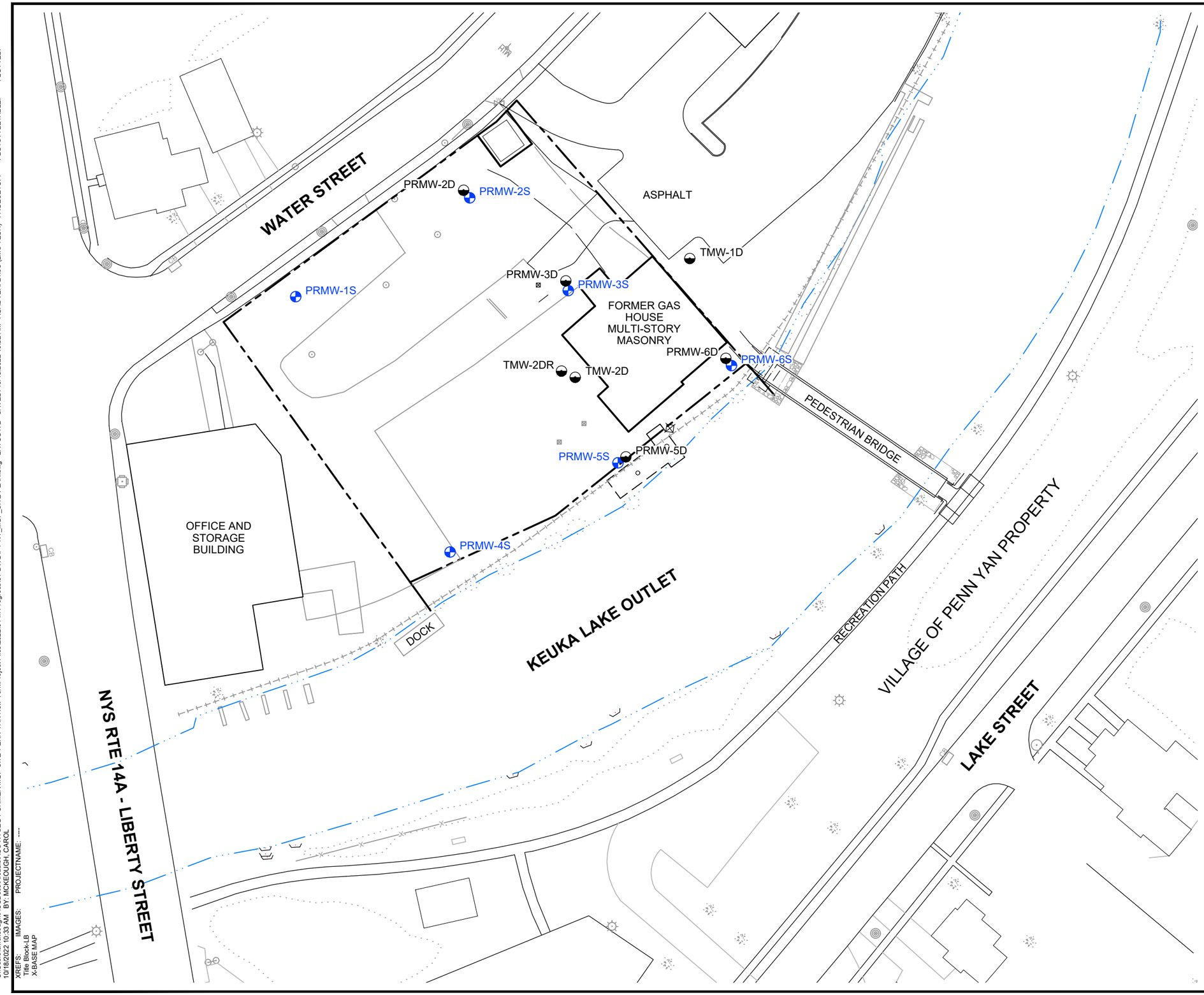


NYSEG
FORMER MGP SITE
PENN YAN, NEW YORK

SITE LOCATION MAP

ARCADIS

FIGURE
1



NOTE:

1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURE BASED ON "MONITORING WELL LOCATION PLAN" BY AECOM, DATED SEPTEMBER 2021.

0 50' 100'

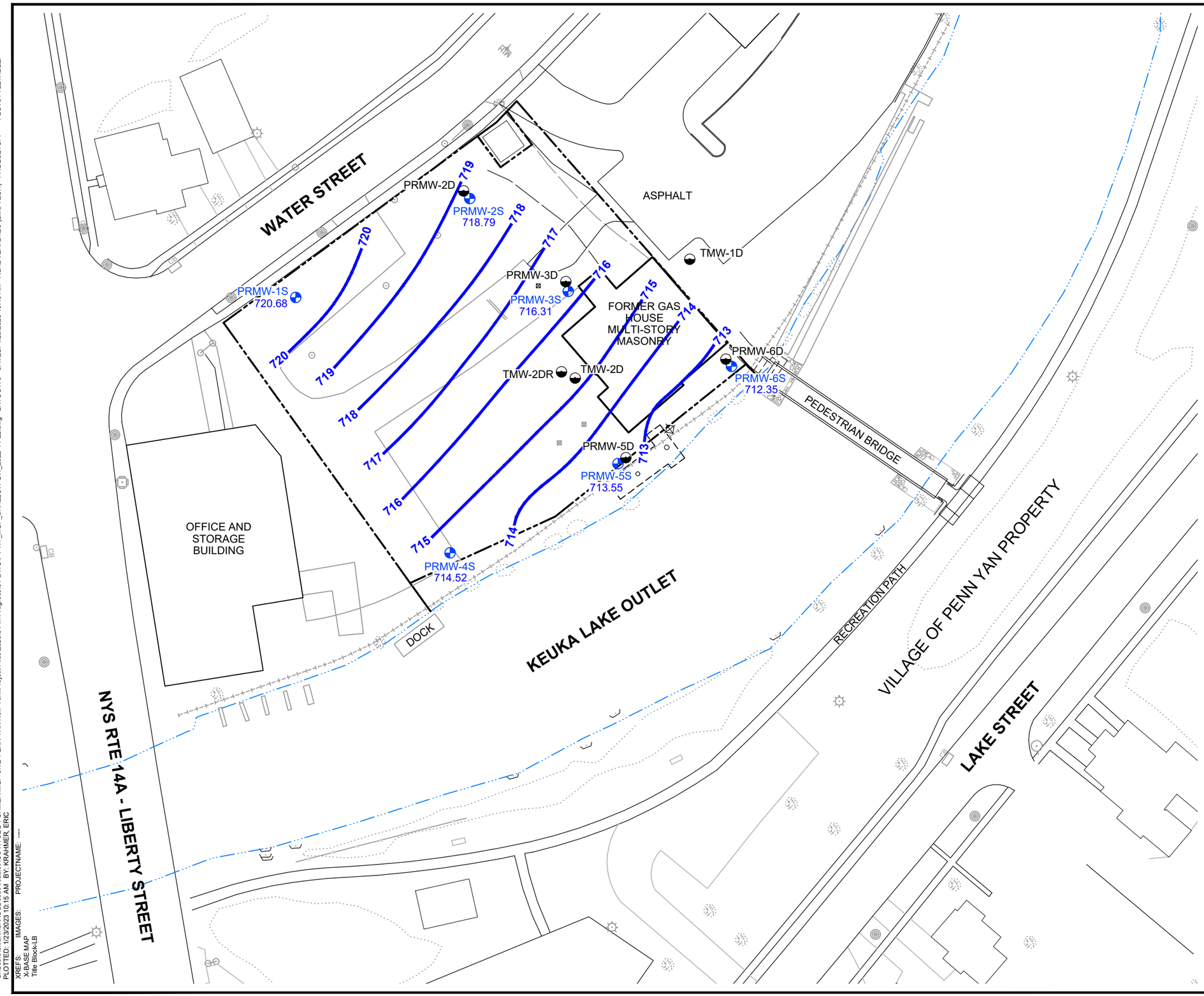
GRAPHIC SCALE

NYSEG
FORMER MGP SITE
PENN YAN, NEW YORK

SITE MAP

ARCADIS

FIGURE
2



LEGEND:

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- CURRENT SITE FEATURE
- APPROXIMATE PROPERTY LINE
- APPROXIMATE SHORE LINE
- 718.50 GROUNDWATER ELEVATION (ASML)
- 718 GROUNDWATER CONTOUR

NOTE:

1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURE BASED ON "MONITORING WELL LOCATION PLAN" BY AECOM, DATED SEPTEMBER 2021.

0 50' 100'

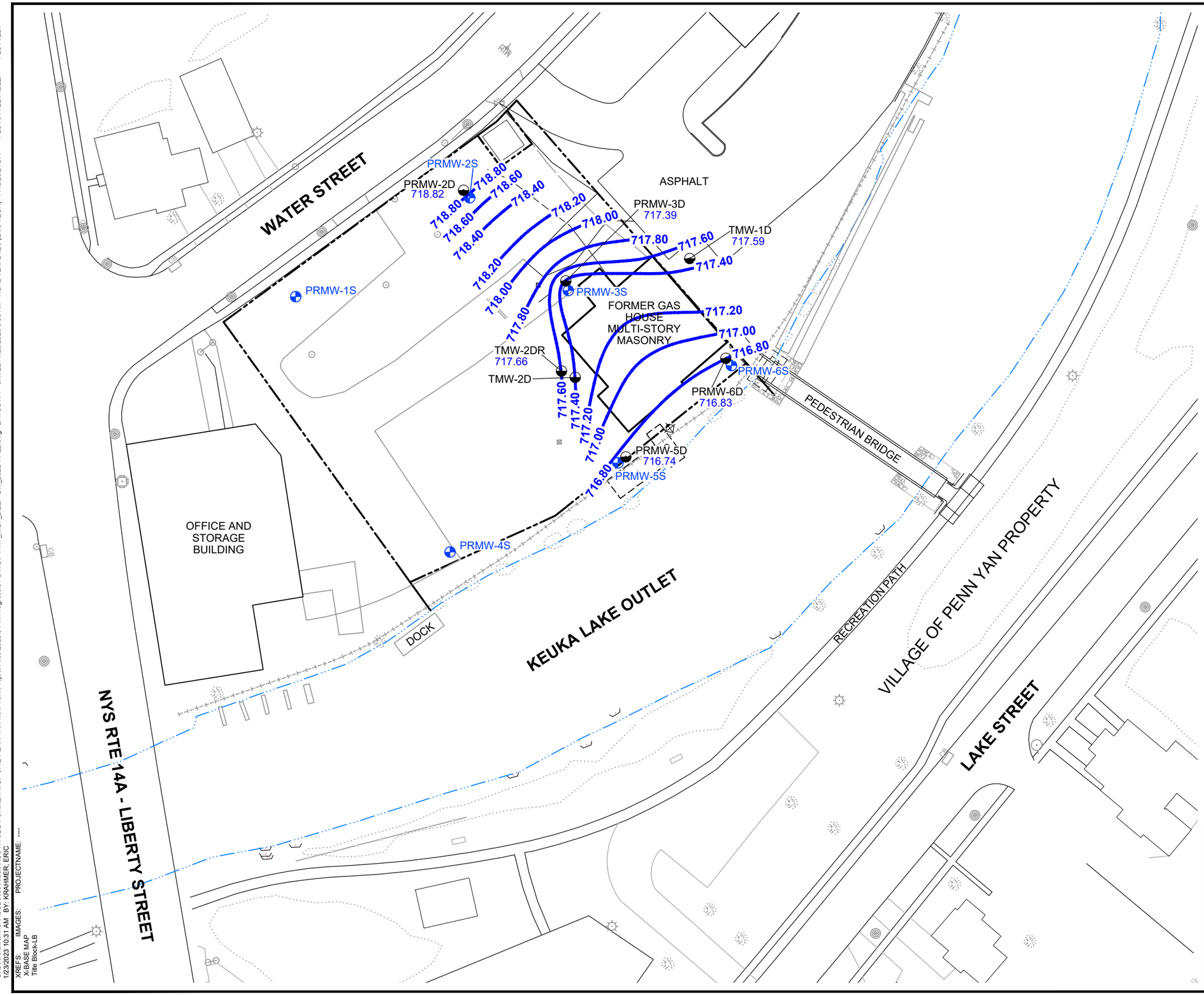
GRAPHIC SCALE

NYSEG
FORMER MGP SITE
PENN YAN, NEW YORK

SHALLOW GROUNDWATER CONTOUR MAP NOVEMBER 22, 2022

ARCADIS

FIGURE 3



LEGEND:

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- CURRENT SITE FEATURE
- APPROXIMATE PROPERTY LINE
- APPROXIMATE SHORE LINE
- 716.74 GROUNDWATER ELEVATION (ASML)
- 717.00 GROUNDWATER CONTOUR

NOTE:

1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURE BASED ON "MONITORING WELL LOCATION PLAN" BY AECOM, DATED SEPTEMBER 2021.

0 50' 100'

GRAPHIC SCALE

NYSEG
FORMER MGP SITE
PENN YAN, NEW YORK

DEEP GROUNDWATER CONTOUR MAP NOVEMBER 22, 2022

ARCADIS

FIGURE 4

Attachment 1

Groundwater Sampling Logs

GROUNDWATER SAMPLING LOG

Site: NYSEG Penn Yan Former MGP — **NYSEG Penn Yan, NY** — **Event:** November 2022 GWS

Sampling Personnel:	Carson Tenhagen / Kaitlyn Fleming	Well ID:	PRMW-25
Client / Job Number:	NYSEG /	Date:	11/22/22
Weather:	Sunny, 30°	Time In:	1015 Time Out: 1150

Well Information

Depth to Water	15.76	(feet TIC)
Total Depth	23.05	(feet TIC)
Length of Water Column	7.29	(feet)
Volume of Water in Well	1.18	(gal)
Screen Interval	—	(feet)
Depth to pump Intake	~20	(feet TIC)

Well Type	Flushmount	(Stick-Up)
Well Material	Stainless Steel	(PVC)
Well Locked	(Yes)	No
Measuring Point Marked	(Yes)	No
Well Diameter	(2")	4"

Purging Information

Purging Method	Bailer	(Peristaltic)	Grundfos	Other
Tubing/Bailer Material	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method	Bailer	(Peristaltic)	Grundfos	Other
Duration of Pumping:	80 (min)			
Average Pumping Rate:	150 (ml/min)	Water-Quality Meter Type:	YSI/Lamotte 2020	
Total Volume Removed:	3.0 (gal)	Did well go dry:	Yes	(No)

Conversion Factors

gal / ft of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet

Unit Stability

pH	DO	Cond	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13	1130
	1025	1030	1035	1040	1045	1050	1055	1100	1105	1110	1115	1120	1125	
Volume Purged (gal)			0.5		1.0		1.5		2.0		2.5		3.0	SAMPLE
Rate (mL/min)	150	150	150	150	150	150	150	150	150	150	150	150	150	
Depth to Water (ft.)	15.91	15.96	15.99	16.01	16.01	16.01	16.01	16.01	16.01	16.01	16.01	16.01	16.01	
pH	7.33	7.43	7.43	7.45	7.41	7.42	7.41	7.41	7.42	7.40	7.39	7.39	7.38	
Temp. (C)	11.4	11.5	11.7	11.6	11.9	11.7	11.9	11.6	11.4	11.6	11.9	11.8	11.9	
Conductivity (mS/cm)	1.606	1.621	1.613	1.648	1.700	1.730	1.745	1.772	1.787	1.800	1.811	1.828	1.835	
Dissolved Oxygen (mg/l)	1.76	0.82	0.73	1.59	1.62	1.52	1.41	1.33	1.21	1.10	1.00	0.97	0.91	
ORP (mV)	178.6	177.1	174.7	172.9	172.2	171.5	170.7	170.0	169.3	168.5	167.7	166.8	165.9	
Turbidity (NTU)	1.32	0	0	0	0	0	0	0	0	0	0	0	0	
Notes:														

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo-Test America
PAHs	2	Buffalo-Test America
Cyanide	1	Buffalo-Test America
1,4-Dioxane	—	Buffalo-Test America
Sample ID: PRMW-25	Sample Time: 1130	
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID	—	Dup. Time: —
Chain of Custody Signed By:	KCF	

Problems / Observations

Initial Purge:

Pump on @ 1020; clear, no odor

Final Purge:

Pump off @ 1140; clear, no odor

GROUNDWATER SAMPLING LOG

Site: NYSEG Penn Yan Former MGP — NYSEG Penn Yan, NY — **Event:** November 2022 GWS

Sampling Personnel: Carson Tenhagen / Kaitlyn Fleming — Well ID: TMW - 1D
Client / Job Number: NYSEG / — Date: 11/21/22
Weather: Partly Cloudy, 25° — Time In: 1320 — Time Out: 1620

Well Information

Depth to Water	5.86	(feet TIC)
Total Depth	63.60	(feet TIC)
Length of Water Column	57.74	(feet)
Volume of Water in Well	9.41	(gal)
Screen Interval	/	(feet)
Depth to pump intake	~	(feet TIC)

Well Type	(Flushmount)	Stick-Up
Well Material	Stainless Steel	(PVC)
Well Locked	Yes	(No)
Measuring Point Marked	Yes	(No)
Well Diameter	(2")	4"

Purging Information

Purging Method	Bailer	(Peristaltic)	Grundfos	Other
Tubing/Bailer Material	St. Steel	(Polyethylene)	Teflon	Other
Sampling Method	Bailer	(Peristaltic)	Grundfos	Other
Duration of Pumping	50 (min)			
Average Pumping Rate	150 (ml/min)	Water-Quality Meter Type:	YSI/Lamotte 2020	
Total Volume Removed	2.0 (gal)	Did well go dry:	Yes	(No)

Conversion Factors				
gal / ft of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	1525	1530	1535	1540	1545	1550	1555	1600					
Volume Purged (gal)				1.0		1.5		S					
Rate (mL/min)	150	150	150	150	150	150	150	A					
Depth to Water (ft.)	6.10	6.10	6.10	6.10	6.10	6.10	6.10	M					
pH	7.52	7.62	7.63	7.63	7.64	7.65	7.65	P					
Temp. (C)	11.2	11.3	11.3	11.4	11.4	11.4	11.4	L					
Conductivity (mS/cm)	0.482	0.483	0.483	0.483	0.483	0.483	0.483	E					
Dissolved Oxygen (mg/l)	2.50	2.18	2.03	1.95	1.89	1.80	1.75	|					
ORP (mV)	92.0	86.7	83.4	82.1	81.6	81.2	81.0	|					
Turbidity (NTU)	0	0	0	0	0	0	0	↓					
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo-Test America
PAHs	2	Buffalo-Test America
Cyanide	1	Buffalo-Test America
1,4-Dioxane	/	Buffalo-Test America
Sample ID		Sample Time: 1600
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID	/	Dup. Time: /
Chain of Custody Signed By:	KCF	

Problems / Observations

Initial Purge:

Pump on @ 1520; clear, no odor

Final Purge:

Pump off @ 1610; clear, no odor

GROUNDWATER SAMPLING LOG

Site: NYSEG Penn Yan Former MGP — NYSEG Penn Yan, NY — Event: November 2022 GWS

Sampling Personnel: Carson Tenhagen / Kaitlyn Fleming — Well ID: PRMW-35
Client / Job Number: NYSEG / — Date: 11/21/22
Weather: cloudy, 35° — Time In: 1110 — Time Out: 1330

Well Information

Depth to Water	7.34	(feet TIC)
Total Depth	22.80	(feet TIC)
Length of Water Column	15.46	(feet)
Volume of Water in Well	2.51	(gal)
Screen Interval		(feet)
Depth to pump Intake	~22	(feet TIC)

Well Type:	Flushmount	Stick-Up
Well Material	Stainless Steel	PVC
Well Locked	Yes	No
Measuring Point Marked:	Yes	No
Well Diameter	2"	4"

Purging Information

Purging Method	Bailer	Peristaltic	Grundfos	Other
Tubing/Bailer Material	St. Steel	Polyethylene	Teflon	Other
Sampling Method:	Bailer	Peristaltic	Grundfos	Other
Duration of Pumping	75+60= (min) 135			
Average Pumping Rate	150 (ml/min)		Water-Quality Meter Type	YSI/Lamotte 2020
Total Volume Removed	4.6 (gal)		Did well go dry	Yes No

Conversion Factors				
gal / ft of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13	
	1120	1125	1130	1135	1140	1145	1150	1155	1200	1205	1210	1215	1220	1225
Volume Purged (gal)					1.5		2.0		2.5		3.0		3.5	
Rate (mL/min)	150	150	150	150	150	150	150	150	150	150	150	150	150	150
Depth to Water (ft.)	7.94	7.94	7.94	8.61	8.74	8.74	9.04	9.04	9.04	9.44	9.44	9.44	9.44	
pH	7.28	7.47	7.54	7.56	7.52	7.46	7.47	7.47	7.46	7.47	7.47	7.46	7.44	7.45
Temp. (C)	9.4	9.3	9.8	9.6	9.8	10.5	10.4	10.4	10.5	10.5	10.6	10.6	10.8	10.8
Conductivity (mS/cm)	0.793	0.786	0.750	0.746	0.749	0.752	0.752	0.753	0.759	0.756	0.748	0.753	0.757	0.750
Dissolved Oxygen (mg/l)	1.31	1.10	2.48	2.45	1.93	1.51	1.43	1.27	1.13	1.07	1.01	0.90	0.89	0.82
ORP (mV)	79.6	64.7	64.0	67.4	68.6	68.6	68.0	67.4	66.8	66.4	65.8	65.6	65.2	64.6
Turbidity (NTU)	3.69	0.00	0.00	0.00	0.00	0.00	0.00	3.04	4.75	4.52	—	—	—	—
Notes:											Air bubbles			

Sampling Information

Analyses	#	Laboratory
BTEXs	12	Buffalo-Test America
PAHs	8	Buffalo-Test America
Cyanide	4	Buffalo-Test America
1,4-Dioxane	—	Buffalo-Test America
Sample ID: PRMW-35		Sample Time: 1230
MS/MSD:	Yes	No
Duplicate:	Yes	No
Duplicate ID DUP-20221121		Dup. Time: —
Chain of Custody Signed By:	LCF	

Problems / Observations

Initial Purge:

Pump on @ 1115, clear, no odor

Final Purge:

Pump off @ 1325; clear, no odor

9
6 3

GROUNDWATER SAMPLING LOG

Site: NYSEG Penn Yan Former MGP — **NYSEG Penn Yan, NY** — **Event:** November 2022 GWS

Sampling Personnel: Carson Tenhagen / Kaitlyn Fleming — **Well ID:** PRMW - 20R

Client / Job Number: NYSEG / — **Date:** 11/21/2022

Weather: Partly Cloudy, 25° — **Time In:** 0920 **Time Out:** 1105

Well Information

Depth to Water	1.60	(feet TIC)
Total Depth	59.50	(feet TIC)
Length of Water Column	59.90	(feet)
Volume of Water in Well	9.43	(gal)
Screen Interval	—	(feet)
Depth to pump Intake	~ 58.0	(feet TIC)

Well Type:	(Flushmount)	Stick-Up
Well Material	Stainless Steel	(PVC)
Well Locked	Yes	(No)
Measuring Point Marked	Yes	(No)
Well Diameter	(2")	4"

Purging Information

Purging Method	Bailer	(Penstaltic)	Grundfos	Other
Tubing/Bailer Material	St Steel	(Polyethylene)	Teflon	Other
Sampling Method	Bailer	(Peristaltic)	Grundfos	Other:
Duration of Pumping	80 (min)			
Average Pumping Rate	150 (ml/min)		Water-Quality Meter Type:	YSI/Lamotte 2020
Total Volume Removed	5.0 (gal)		Did well go dry	Yes (No)

Conversion Factors				
gal / ft of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13	1045
	0940	0945	0950	0955	1000	1005	1010	1015	1020	1025	1030	1035	1040	
Volume Purged (gal)				1.0		1.5		2.0		2.5		3.0		SAMPLE
Rate (mL/min)	150	150	150	150	150	150	150	150	150	150	150	150	150	
Depth to Water (ft)	1.87	1.87	1.91	1.91	1.91	1.91	1.91	1.91	1.94	1.94	1.94	1.94	1.94	
pH	7.65	7.70	7.73	7.76	7.77	7.79	7.80	7.79	7.80	7.79	7.80	7.81	7.80	
Temp (C)	9.1	9.5	9.6	9.7	9.7	9.6	9.6	9.8	9.7	9.9	9.8	9.8	9.8	
Conductivity (mS/cm)	0.497	0.497	0.498	0.497	0.498	0.498	0.498	0.499	0.499	0.500	0.499	0.499	0.500	
Dissolved Oxygen (mg/l)	1.40	0.89	0.72	0.67	0.61	0.57	0.55	0.54	0.53	0.51	0.51	0.50	0.49	
ORP (mV)	138.5	102.5	72.8	46.1	17.0	10.9	-28.8	-48.5	-50.7	-57.0	-63.5	-68.9	-72.3	
Turbidity (NTU)	52.70	59.24	68.04	68.21	53.27	47.20	36.44	33.37	24.78	20.82	15.69	[illegible]	14.97	
Notes:												14.78		

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo-Test America
PAHs	2	Buffalo-Test America
Cyanide	1	Buffalo-Test America
1,4-Dioxane		Buffalo-Test America
Sample ID PRMW-20R	Sample Time 1045	
MS/MSD	Yes (No)	
Duplicate	Yes (No)	
Duplicate ID —	Dup Time: —	
Chain of Custody Signed By:	KCF	

Problems / Observations

Initial Purge:

Pump on @ 0935, clear, no odor

Final Purge:

Pump off @ 1055, clear, no odor

GROUNDWATER SAMPLING LOG

Site: NYSEG Penn Yan Former MGP — NYSEG Penn Yan, NY — Event: November 2022 GWS

Sampling Personnel: Carson Tenhagen / Kaitlyn Fleming — Well ID: PRMW-3D
Client / Job Number: NYSEG / — Date: 11/21/22
Weather: cloudy, 25° — Time In: 1405 — Time Out: 1510

Well Information

Depth to Water	6.47	(feet TIC)
Total Depth	35.85	(feet TIC)
Length of Water Column:	29.38	(feet)
Volume of Water in Well	4.78	(gal)
Screen Interval	—	(feet)
Depth to pump Intake	~35	(feet TIC)

Well Type	Flushmount	(Stick-Up)	
Well Material	Stainless Steel	(PVC)	
Well Locked	(Yes)		No
Measuring Point Marked	(Yes)		No
Well Diameter	(2")	4"	

Purging Information

Purging Method	Bailer	(Peristaltic)	Grundfos	Other
Tubing/Bailer Material	St Steel	(Polyethylene)	Teflon	Other
Sampling Method	Bailer	(Peristaltic)	Grundfos	Other
Duration of Pumping:	50 (min)			
Average Pumping Rate:	150 (ml/min)		Water-Quality Meter Type:	YSI/Lamotte 2020
Total Volume Removed:	2.5 (gal)		Did well go dry:	Yes (No)

Conversion Factors				
gal / ft of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	1420	1425	1430	1435	1440	1445	1450	1455					
Volume Purged (gal)			1.0		1.5		2.0	S					
Rate (mL/min)	150	150	150	150	150	150	150	A					
Depth to Water (ft.)	7.92	7.92	8.40	8.40	8.63	8.63	8.63	M					
pH	7.67	7.83	7.86	7.86	7.85	7.86	7.86	P					
Temp (C)	9.6	9.8	9.8	10.0	10.0	10.0	9.9	L					
Conductivity (mS/cm)	0.489	0.488	0.489	0.489	0.489	0.489	0.488	E					
Dissolved Oxygen (mg/l)	1.06	0.80	0.70	0.63	0.59	0.56	0.55						
ORP (mV)	-11.9	-58.9	-76.5	-84.5	-89.4	-92.6	-94.9	↓					
Turbidity (NTU)	11.33	3.53	4.35	1.84	0	0	0	↓					
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo-Test America
PAHs	2	Buffalo-Test America
Cyanide	1	Buffalo-Test America
1,4-Dioxane	—	Buffalo-Test America
Sample ID: PRMW-3D	Sample Time: 1455	
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID	—	Dup. Time: —
Chain of Custody Signed By:	KCF	

Problems / Observations

Initial Purge:

Pump on @ 1415; clear, no odor

Final Purge:

Pump off @ 1505; clear, no odor

GROUNDWATER SAMPLING LOG

Site: NYSEG Penn Yan Former MGP — **NYSEG Penn Yan, NY** — **Event:** November 2022 GWS

Sampling Personnel:	Carson Tenhagen / Kaitlyn Fleming	**Well ID:**	PRMW-55
Client / Job Number:	NYSEG /	**Date:**	11/21/22
Weather:	Cloudy, 25°F	**Time In:**	1435 **Time Out:**

Well Information

Depth to Water	7.10	(feet TIC)
Total Depth	22.60	(feet TIC)
Length of Water Column	15.5	(feet)
Volume of Water in Well	2.53	(gal)
Screen Interval	—	(feet)
Depth to pump Intake	~21.00	(feet TIC)

Well Type	Flushmount	(Stick-Up)	
Well Material	Stainless Steel	(PVC)	
Well Locked	(Yes)	No	
Measuring Point Marked	(Yes)	No	
Well Diameter	(2")	4"	

Purging Information

Purging Method	Bailer	(Penstaltic)	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other
Sampling Method:	Bailer	(Peristaltic)	Grundfos	Other
Duration of Pumping:		(min)		
Average Pumping Rate:	150	(ml/min)	Water-Quality Meter Type	(YSI) Lamotte 2020
Total Volume Removed:	3	(gal)	Did well go dry:	Yes No

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	1520 6	7	8	9	10	11	12	13
	1455	1500	1505	1510	1515	~~1522~~	1325	1330	1335	1340	1345	1350	1355
Volume Purged (gal)	.25		.5		1.0		1.5			2.0		2.5	
Rate (mL/min)	150	150	150	150	150	150	150	150	150	150	150	150	150
Depth to Water (ft.)	7.30	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40
pH	7.35	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38
Temp. (C)	13.1	13.4	13.6	13.6	13.5	13.4	13.5	13.5	13.6	13.7	13.6	13.7	13.8
Conductivity (mS/cm)	0.634	0.631	0.630	0.632	0.633	0.634	6.632	0.632	0.631	0.628	0.627	0.627	0.626
Dissolved Oxygen (mg/l)	0.95	0.76	0.67	0.62	0.58	0.58	0.57	0.56	0.54	0.53	0.53	0.52	0.51
ORP (mV)	-96.8	-66.5	-57.5	-68.7	-81.1	-87.4	-91.5	-110.6	-119.2	[illegible]	-102.1	-103.8	-104.8
Turbidity (NTU)	19.42	20.64	19.27	10.92	9.05	9.56	10.50	11.75	13.56	16.25	18.83	18.98	19.23
Notes:													

1600
3
1
Sample
1

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo-Test America
PAHs	2	Buffalo-Test America
Cyanide	1	Buffalo-Test America
1,4-Dioxane	—	Buffalo-Test America
Sample ID: PRMW-55		Sample Time: 1600
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID: —		Dup. Time: —
Chain of Custody Signed By: Carson Tenhagen		

Problems / Observations

Initial Purge: Pump on @ 1450. Water is clear + odorless.

Final Purge: Pump off @ 1615. Clear + odorless

GROUNDWATER SAMPLING LOG

Site: NYSEG Penn Yan Former MGP | **NYSEG Penn Yan, NY** | **Event:** November 2022 GWS

Sampling Personnel: (Carson Tenhagen) Kaitlyn Fleming | **Well ID:** PRMW-5D
Client / Job Number: NYSEG / | **Date:** 11/21/22
Weather: Cloudy 25°F | **Time In:** 1235 **Time Out:** 1435

Well Information

Depth to Water	4.02	(feet TIC)
Total Depth	31.45	(feet TIC)
Length of Water Column	27.43	(feet)
Volume of Water in Well	4.47	(gal)
Screen Interval	—	(feet)
Depth to pump Intake	~28	(feet TIC)

Well Type	Flushmount	(Stick-Up)	
Well Material:	Stainless Steel	(PVC)	
Well Locked	(Yes)	No	
Measuring Point Marked	(Yes)	No	
Well Diameter	(2")	4"	

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other
Tubing/Bailer Material	SS Steel	(Polyethylene)	Teflon	Other
Sampling Method	Bailer	(Peristaltic)	Grundfos	Other

Duration of Pumping: 105 (min)
Average Pumping Rate: 150 (ml/min) Water-Quality Meter Type: (YSI/Lamotte 2020)
Total Volume Removed: 3.5 (gal) Did well go dry: Yes (No)

Conversion Factors				
gal / ft of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	1250	1255	1300	1305	1310	1315	1320	1325	1330	1335	1340	1345	1350
Volume Purged (gal)	0.25		1.0			1.5			2.0			2.5	
Rate (mL/min)	150	150	150	150	150	150	150	150	150	150	150	150	150
Depth to Water (ft)	5.10	5.10	6.90	6.90	6.90	6.90	6.90	6.90	6.90	6.90	6.90	6.90	7.00
pH	7.73	7.73	7.73	7.73	7.73	7.73	7.72	7.72	7.72	7.72	7.72	7.72	7.72
Temp. (C)	12.2	12.5	12.6	12.5	12.9	12.9	12.8	12.8	13.1	13.2	13.2	13.1	13.1
Conductivity (mS/cm)	0.457	0.457	0.457	0.457	0.457	0.457	0.458	0.458	0.458	0.458	0.459	0.460	0.461
Dissolved Oxygen (mg/l)	2.36	2.25	2.18	2.11	1.95	1.88	1.61	1.53	1.36	1.11	0.92	0.78	0.70
ORP (mV)	64.6	57.5	36.7	16.8	-29.9	-52.1	-87.8	-93.4	-116.2	-116.8	-125.3	-134.9	-139.9
Turbidity (NTU)	9.36	9.46	10.41	10.19	13.62	16.95	23.92	27.68	37.62	45.46	58.31	85.03	95.70
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo-Test America
PAHs	2	Buffalo-Test America
Cyanide	1	Buffalo-Test America
1,4-Dioxane	—	Buffalo-Test America
Sample ID: PRMW-5D		Sample Time: 1415
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID		Dup Time:
Chain of Custody Signed By: Carson Tenhagen		

Problems / Observations

Initial Purge: Start pump @ 1245. Water is clear w/ a sulfur odor.

Final Purge: Pump off @ 1430. Water is clear + odorless.

GROUNDWATER SAMPLING LOG

Site: NYSEG Penn Yan Former MGP — NYSEG Penn Yan, NY — **Event:** November 2022 GWS

Sampling Personnel:	Carson Tenhagen / Kaitlyn Fleming	Well ID:	PRMW-5D
Client / Job Number:	NYSEG /	Date:	11/21/22
Weather:		Time In:	1235 Time Out: 1430

Well Information

Depth to Water	(feet TIC)
Total Depth	(feet TIC)
Length of Water Column	(feet)
Volume of Water in Well	(gal)
Screen Interval	(feet)
Depth to pump Intake	(feet TIC)

Well Type	Flushmount	Stick-Up
Well Material:	Stainless Steel	PVC
Well Locked	Yes	No
Measuring Point Marked	Yes	No
Well Diameter	2"	4"

Purging Information

Purging Method	Bailer	Peristaltic	Grundfos	Other
Tubing/Bailer Material	St Steel	Polyethylene	Teflon	Other
Sampling Method	Bailer	Peristaltic	Grundfos	Other
Duration of Pumping:	(min)			
Average Pumping Rate:	(ml/min)	Water-Quality Meter Type:	YSI/Lamotte 2020	
Total Volume Removed:	(gal)	Did well go dry:	Yes	No

Conversion Factors				
gal / ft of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet

Unit Stability			
pH	DO	Cond	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	1355	1400	1405	1410	1415								
Volume Purged (gal)		2.3.0			3.5								
Rate (mL/min)	150	150	156	150									
Depth to Water (ft.)	7.00	7.00	7.06	7.06									
pH	7.72	7.72	7.72	7.72									
Temp. (C)	12.9	13.0	13.0	13.0	le								
Conductivity (mS/cm)	0.461	0.461	0.462	0.460	sa								
Dissolved Oxygen (mg/l)	0.61	0.57	0.53	0.53									
ORP (mV)	-144.7	-146.4	-148.3	-149.8									
Turbidity (NTU)	106.20	113.60	116.50	116.80									
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs		Buffalo-Test America
PAHs		Buffalo-Test America
Cyanide		Buffalo-Test America
1,4-Dioxane		Buffalo-Test America
Sample ID:		Sample Time:
MS/MSD.	Yes	No
Duplicate.	Yes	No
Duplicate ID		Dup. Time:
Chain of Custody Signed By		

Problems / Observations

Initial Purge:

Final Purge:

GROUNDWATER SAMPLING LOG

Site: NYSEG Penn Yan Former MGP — NYSEG Penn Yan, NY — Event: November 2022 GWS

Sampling Personnel: Carson Tenhagen / Kaitlyn Fleming — Well ID: PRMW-65
Client / Job Number: NYSEG / — Date: 11/21/22
Weather: Cloudy, 26°F — Time In: 1050 — Time Out: 1215

Well Information

Depth to Water	6.23	(feet TIC)
Total Depth	23.05	(feet TIC)
Length of Water Column	16.82	(feet)
Volume of Water in Well	2.74	(gal)
Screen Interval	—	(feet)
Depth to pump Intake	~20.00	(feet TIC)

Well Type	Flushmount	Stick-Up
Well Material	Stainless Steel	PVC
Well Locked	Yes	No
Measuring Point Marked	Yes	No
Well Diameter	2"	4"

Purging Information

Purging Method	Bailer	Peristaltic	Grundfos	Other
Tubing/Bailer Material	St. Steel	Polyethylene	Teflon	Other
Sampling Method	Bailer	Peristaltic	Grundfos	Other

Duration of Pumping: 65 (min)
Average Pumping Rate: 200 (ml/min) — Water-Quality Meter Type: YSI / Lamotte 2020
Total Volume Removed: 2.25 (gal) — Did well go dry: Yes / No

Conversion Factors				
gal / ft of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond	ORP
±0.1	± 10%	± 3.0%	± 10 mV

	1	2	3	4	5	6	7	8	9	10	11	12	13
Parameter:	1100	1105	1110	1115	1120	1125	1130	1135	1140	1145			
Volume Purged (gal)	0.25		~~1.0~~	1.0		~~1.2.0~~		2.0		2.25			
Rate (mL/min)	200	200	200	200	200	200	200	200	200	1			
Depth to Water (ft.)	6.90	6.90	6.90	6.90	6.90	6.90	6.90	6.90	6.90	1			
pH	7.70	7.70	7.69	7.68	7.68	7.67	7.67	7.68	7.67	Sample			
Temp. (C)	10.2	10.3	10.6	10.3	10.8	10.9	11.1	10.5	10.7				
Conductivity (mS/cm)	0.419	0.414	0.414	0.417	0.416	0.419	0.418	0.426	0.421				
Dissolved Oxygen (mg/l)	1.18	0.89	0.79	0.74	0.73	0.71	0.70	0.73	0.71				
ORP (mV)	-66.6	-61.0	-56.9	-50.0	-51.4	-40.0	-58.0	-60.1	-63.2				
Turbidity (NTU)	1.11	1.05	0.82	1.80	2.68	2.66	5.75	7.21	6.67				
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo-Test America
PAHs	2	Buffalo-Test America
Cyanide	1	Buffalo-Test America
1,4-Dioxane	\	Buffalo-Test America
Sample ID: PRMW-65		Sample Time: 1145
MS/MSD:	Yes	No
Duplicate:	Yes	No
Duplicate ID		Dup. Time:
Chain of Custody Signed By: Carson Tenhagen		

Problems / Observations

Initial Purge: Pump on at 1055. No odor + clear.

Final Purge: Pump off @ 1200. No odor + clear.

GROUNDWATER SAMPLING LOG

Site: NYSEG Penn Yan Former MGP — NYSEG Penn Yan, NY — **Event:** November 2022 GWS

Sampling Personnel: (Carson Tenhagen) Kaitlyn Fleming — Well ID: PRMW-6D
Client / Job Number: NYSEG / — Date: 11/21/22
Weather: Cloudy, 25°F — Time In: 0930 — Time Out: 1045

Well Information

Depth to Water	4.44	(feet TIC)
Total Depth	36.90	(feet TIC)
Length of Water Column	32.46	(feet)
Volume of Water in Well	5.29	(gal)
Screen Interval	—	(feet)
Depth to pump Intake	~ 30	(feet TIC)

Well Type	Flushmount	(Stick-Up)	
Well Material	Stainless Steel	(PVC)	
Well Locked	(Yes)	No	
Measuring Point Marked	(Yes)	No	
Well Diameter	(2")	4"	

Purging Information

Purging Method	Bailer	(Peristaltic)	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method	Bailer	(Peristaltic)	Grundfos	Other:

Duration of Pumping: 60 (min)
Average Pumping Rate: 200 (ml/min) — Water-Quality Meter Type: (YSI/Lamotte 2020)
Total Volume Removed: ~2.25 (gal) — Did well go dry: Yes (No)

Conversion Factors				
gal / ft of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	0945	0950	0955	1000	1005	1010	1015	1020	1025				
Volume Purged (gal)	0.25		1.0		1.5		2.0	2.25					
Rate (mL/min)	200	200	200	200	200	200	200	200	|				
Depth to Water (ft.)	5.25	5.25	5.25	5.25	5.30	5.30	5.30	5.30					
pH	7.74	7.75	7.75	7.75	7.75	7.76	7.76	7.76	Sample				
Temp. (C)	10.2	10.7	10.6	10.8	11.3	11.0	11.0	10.9					
Conductivity (mS/cm)	0.441	0.443	0.445	0.447	0.446	0.446	0.448	0.449					
Dissolved Oxygen (mg/l)	1.44	0.95	0.80	0.75	0.71	0.69	0.67	0.67					
ORP (mV)	-144.9	-156.9	-161.3	-162.5	-164.8	-166.1	-167.6	-168.4	|				
Turbidity (NTU)	-4.75	-4.70	-4.41	-3.48	-4.13	-4.31	-3.95	-4.01	|				
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo-Test America
PAHs	2	Buffalo-Test America
Cyanide	1	Buffalo-Test America
1,4-Dioxane	—	Buffalo-Test America
Sample ID: PRMW-6D	Sample Time 1025	
MS/MSD	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID —	Dup Time: —	
Chain of Custody Signed By: Carson Tenhagen		

Problems / Observations

Initial Purge: Pump on @ 0940. Water clear + odorless.

Final Purge: Pump off @ 1040.

GROUNDWATER SAMPLING LOG

Site: NYSEG Penn Yan Former MGP — **NYSEG Penn Yan, NY** — **Event:** November 2022 GWS

Sampling Personnel: Carson Tenhagen / Kaitlyn Fleming — **Well ID:** PRMW-20
Client / Job Number: NYSEG / — **Date:** 11/22/22
Weather: Sunny, 30° — **Time In:** 0850 **Time Out:** 1015

Well Information

Depth to Water	15.82	(feet TIC)
Total Depth	38.09	(feet TIC)
Length of Water Column	22.27	(feet)
Volume of Water in Well	3.63	(gal)
Screen Interval	—	(feet)
Depth to pump Intake	≈ ~~25~~ 30	(feet TIC)

Well Type	Flushmount	(Stick-Up)
Well Material	Stainless Steel	(PVC)
Well Locked	(Yes)	No
Measuring Point Marked	(Yes)	No
Well Diameter	(2")	4"

Purging Information

Purging Method	Bailer	(Peristaltic)	Grundfos	Other:
Tubing/Bailer Material	St. Steel	(Polyethylene)	Teflon	Other
Sampling Method	Bailer	(Peristaltic)	Grundfos	Other:

Duration of Pumping: 70 (min)
Average Pumping Rate: 150 (ml/min) — Water-Quality Meter Type: YSI/Lamotte 2020
Total Volume Removed: 2.7 (gal) — Did well go dry: Yes (No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	0905	0910	0915	0920	0925	0930	0935	0940	0945	0950			
Volume Purged (gal)		0.5		1.0		1.5		2.0		2.5			
Rate (mL/min)	150	150	150	150	150	150	150	150	150	S			
Depth to Water (ft.)	16.98	18.18	19.55	20.38	21.67	22.63	23.61	24.59	25.51	A			
pH	7.65	7.77	7.80	7.81	7.83	7.81	7.83	7.83	7.85	M			
Temp. (C)	11.0	11.5	11.5	11.5	11.3	11.6	11.5	11.6	11.3	P			
Conductivity (mS/cm)	0.641	0.642	0.642	0.641	0.641	0.640	0.639	0.639	0.640	L			
Dissolved Oxygen (mg/l)	1.51	1.03	0.90	0.86	0.85	0.81	0.86	0.93	0.94	E			
ORP (mV)	185.9	182.0	177.1	173.2	169.7	164.4	160.6	157.3	154.5	|			
Turbidity (NTU)	3.71	3.05	4.28	6.64	8.80	11.90	11.49	11.77	11.31	↓			
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo-Test America
PAHs	2	Buffalo-Test America
Cyanide	1	Buffalo-Test America
1,4-Dioxane	—	Buffalo-Test America
Sample ID: PRMW-20	Sample Time: 0950	
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID	—	Dup. Time: —
Chain of Custody Signed By:	KCF	

Problems / Observations

Initial Purge:

Pump on @ 0900; clear, no odor

Final Purge:

Pump off @ 1010; clear, no odor

* come back later to try and fill up other 1 L amber jar

GROUNDWATER SAMPLING LOG

Site: NYSEG Penn Yan Former MGP — NYSEG Penn Yan, NY — Event: November 2022 GWS

Sampling Personnel: Carson Tenhagen / Kaitlyn Fleming — Well ID: PRMW-15
Client / Job Number: NYSEG / — Date: 11/22/22
Weather: 29°F, Sunny — Time In: 0900 — Time Out: 1125

Well Information

Depth to Water	10.45	(feet TIC)
Total Depth	29.70	(feet TIC)
Length of Water Column	19.25	(feet)
Volume of Water in Well	3.13	(gal)
Screen Interval	—	(feet)
Depth to pump Intake	~27	(feet TIC)

Well Type	(Flushmount)	Stick-Up	
Well Material	Stainless Steel	(PVC)	
Well Locked	N/A	Yes	No
Measuring Point Marked		(Yes)	No
Well Diameter	(2")	4"	

Purging Information

Purging Method	Bailer	(Peristaltic)	Grundfos	Other
Tubing/Bailer Material	St. Steel	(Polyethylene)	Teflon	Other
Sampling Method	Bailer	(Peristaltic)	Grundfos	Other
Duration of Pumping	135 (min)			
Average Pumping Rate	150 (ml/min)	Water-Quality Meter Type:	(YSI) Lamotte 2020	
Total Volume Removed	~4.0 (gal)	Did well go dry:	Yes	(No)

Conversion Factors				
gal / ft of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
† gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	0920	0925	0930	0935	0940	0945	0950	0955	1000	1005	1010	1015	1020
Volume Purged (gal)	.25		1.0		1.5		2.0		2.5			3.0	
Rate (mL/min)	150	150	150	150	150	150	150	150	150	150	150	150	150
Depth to Water (ft)	13.85 ~~10.60~~	13.85	13.85	13.80	13.80	13.80	13.80	13.80	13.80	13.80	13.80	13.80	13.80
pH	6.88	6.88	6.89	6.89	6.89	6.89	6.91	6.93	6.94	6.96	6.98	6.99	7.01
Temp (C)	14.0	14.1	13.9	13.8	14.0	13.8	13.8	13.5	13.7	13.9	13.7	14.0	13.7
Conductivity (mS/cm)	4.297	4.248	4.188	4.061	3.837	3.745	3.702	3.615	3.536	3.430	3.332	3.274	3.179
Dissolved Oxygen (mg/l)	0.94	0.72	0.69	0.66	0.63	0.63	0.63	0.63	0.63	0.62	0.61	0.61	0.62
ORP (mV)	146.8	141.7	138.3	132.9	125.1	117.6	112.8	106.0	100.8	94.2	90.4	86.1	81.7
Turbidity (NTU)	32.78	63.45	85.89	114.82	152.81	188.87	171.60	196.71	195.58	225.01	223.26	241.00	244.00
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo-Test America
PAHs	2	Buffalo-Test America
Cyanide	1	Buffalo-Test America
1,4-Dioxane	\	Buffalo-Test America
Sample ID: PRMW-15		Sample Time: 1100
MS/MSD:	Yes	(No)
Duplicate:	Yes	(No)
Duplicate ID	—	Dup. Time: —
Chain of Custody Signed By: Carson Tenhagen		

Problems / Observations

Initial Purge: Pump on @ 0915. Clear + odorless.

Final Purge: Pump OFF @ 1125. Clear + odorless.

GROUNDWATER SAMPLING LOG

Site: NYSEG Penn Yan Former MGP — **NYSEG Penn Yan, NY** — **Event:** November 2022 GWS

Sampling Personnel	Carson Tenhagen / Kaitlyn Fleming	**Well ID:**	PRMW-15
Client / Job Number:	NYSEG /	**Date:**	11/22/22
Weather:		**Time In:**	**Time Out:**

Well Information

Depth to Water	(feet TIC)
Total Depth	(feet TIC)
Length of Water Column	(feet)
Volume of Water in Well	(gal)
Screen Interval	(feet)
Depth to pump Intake	(feet TIC)

Well Type	Flushmount	Stick-Up
Well Material	Stainless Steel	PVC
Well Locked	Yes	No
Measuring Point Marked	Yes	No
Well Diameter	2"	4"

Purging Information

Purging Method	Bailer	Peristaltic	Grundfos	Other
Tubing/Bailer Material	St Steel	Polyethylene	Teflon	Other
Sampling Method	Bailer	Peristaltic	Grundfos	Other
Duration of Pumping	(min)			
Average Pumping Rate	(ml/min)	Water-Quality Meter Type:	YSI/Lamotte 2020	
Total Volume Removed	(gal)	Did well go dry:	Yes	No

Conversion Factors				
gal / ft of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet

Unit Stability			
pH	DO	Cond	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	1025	1030	1035	1040	1045	1050	1055	1100					
Volume Purged (gal)			3.5					4.0					
Rate (mL/min)	150	150	150	150	150	150	150						
Depth to Water (ft.)	13.80	13.80	13.80	13.80	13.80	13.80	13.80						
pH	7.02	7.03	7.04	7.05	7.05	7.06	7.06						
Temp. (C)	13.6	13.8	13.9	13.7	13.7	13.6	13.6						
Conductivity (mS/cm)	3.096	3.042	2.949	2.896	2.828	2.785	2.745						
Dissolved Oxygen (mg/l)	0.62	0.63	0.63	0.63	0.64	0.64	0.64						
ORP (mV)	75.6	68.4	62.5	59.2	55.3	52.0	49.9						
Turbidity (NTU)	227.63	229.40	232.45	239.40	242.30	245.05	246.70						
Notes:													

Sampling Information

Analyses	Laboratory
BTEXs	Buffalo-Test America
PAHs	Buffalo-Test America
Cyanide	Buffalo-Test America
1,4-Dioxane	Buffalo-Test America
Sample ID:	Sample Time
MS/MSD: Yes	No
Duplicate: Yes	No
Duplicate ID	Dup. Time:
Chain of Custody Signed By:	

Problems / Observations

Initial Purge:

Final Purge:

GROUNDWATER SAMPLING LOG

Site: NYSEG Penn Yan Former MGP — NYSEG Penn Yan, NY — Event: November 2022 GWS

Sampling Personnel: Carson Tenhagen / Kaitlyn Fleming
Well ID: PRMW-45
Client / Job Number: NYSEG /
Date: 11/22/22
Weather: 29°F Sunny
Time In: 1125 Time Out: 1305

Well Information

Depth to Water	7.40	(feet TIC)
Total Depth	27.12	(feet TIC)
Length of Water Column	19.72	(feet)
Volume of Water in Well	3.21	(gal)
Screen Interval	—	(feet)
Depth to pump Intake	~25	(feet TIC)

Well Type:	~~Flushmount~~	Stick-Up
Well Material:	Stainless Steel	PVC
Well Locked	Yes	No
Measuring Point Marked:	Yes	No
Well Diameter	2"	4"

Purging Information

Purging Method	Bailer	Penstaltic	Grundfos	Other
Tubing/Bailer Material	St. Steel	Polyethylene	Teflon	Other
Sampling Method	Bailer	Penstaltic	Grundfos	Other:
Duration of Pumping:	85 (min)			
Average Pumping Rate:	150 (ml/min)	Water-Quality Meter Type:	YSI / mottle 2020	
Total Volume Removed	3.0 (gal)	Did well go dry:	Yes	No

Conversion Factors				
gal / ft of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	1140	1145	1150	1155	1200	1205	1210	1215	1220	1225	1230	1235	1240
Volume Purged (gal)	>0.25		0.5			1.0				2.0			2.5
Rate (mL/min)	150	150	150	150	150	150	150	150	150	150	150	150	150
Depth to Water (ft.)	7.60	7.60	7.80	7.80	7.80	7.80	8.10	8.10	8.10	8.10	8.10	8.10	8.10
pH	7.45	7.40	7.37	7.36	7.36	7.36	7.37	7.35	7.33	7.30	7.27	7.26	7.25
Temp. (C)	12.8	12.1	12.3	12.7	13.0	12.9	12.6	12.8	12.9	12.8	12.5	12.3	12.2
Conductivity (mS/cm)	0.878	0.835	0.823	0.821	0.818	0.816	0.830	0.871	0.898	0.957	1.015	1.044	1.051
Dissolved Oxygen (mg/l)	2.18	1.50	1.00	0.94	0.88	0.87	1.32	1.75	1.93	1.99	1.87	1.74	1.68
ORP (mV)	-91.0	-93.9	-97.2	-99.4	-99.9	-94.7	-77.1	-53.2	-43.7	-34.9	-28.7	-30.1	-32.2
Turbidity (NTU)	6.40	3.21	11.42	22.81	44.20	58.98	72.90	89.67	126.50	130.51	132.98	131.40	133.30
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo-Test America
PAHs	2	Buffalo-Test America
Cyanide	1	Buffalo-Test America
1,4-Dioxane	\	Buffalo-Test America
Sample ID: PRMW-45		Sample Time: 1250
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID	—	Dup. Time: —
Chain of Custody Signed By:	Carson Tenhagen	

Problems / Observations

Initial Purge: Pump on @ 1135. Water clear + odorless.

Final Purge: Pump off @ 1300. Water clear + odorless

GROUNDWATER SAMPLING LOG

Site: NYSEG Penn Yan Former MGP — *NYSEG Penn Yan, NY* — *Event: November 2022 GWS*

Sampling Personnel:	Carson Tenhagen / Kaitlyn Fleming	**Well ID:**	PKMW-45
Client / Job Number:	NYSEG /	**Date:**	11/22/22
Weather:		**Time In:**	**Time Out:**

Well Information

Depth to Water	(feet TIC)
Total Depth	(feet TIC)
Length of Water Column	(feet)
Volume of Water in Well	(gal)
Screen Interval	(feet)
Depth to pump Intake	(feet TIC)

Well Type	Flush mount	Stick-Up
Well Material	Stainless Steel	PVC
Well Locked	Yes	No
Measuring Point Marked	Yes	No
Well Diameter	2"	

Purging Information

Purging Method	Bailer	Peristaltic	Grundfos	Other
Tubing/Bailer Material	St. Steel	Polyethylene	Teflon	Other
Sampling Method	Bailer	Peristaltic	Grundfos	Other
Duration of Pumping	(min)			
Average Pumping Rate	(ml/min)	Water-Quality Meter Type	YSI/Lamotte 2020	
Total Volume Removed	(gal)	Did well go dry	Yes	No

Conversion Factors				
gal / ft of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	1245	1250											
Volume Purged (gal)		3.0											
Rate (mL/min)	150												
Depth to Water (ft.)	8.10												
pH	7.25	Sample											
Temp (C)	12.1												
Conductivity (mS/cm)	1.069												
Dissolved Oxygen (mg/l)	14.91.60												
ORP (mV)	-33.3												
Turbidity (NTU)	130.42												
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs		Buffalo-Test America
PAHs		Buffalo-Test America
Cyanide		Buffalo-Test America
1,4-Dioxane		Buffalo-Test America
Sample ID:		Sample Time:
MS/MSD:	Yes	No
Duplicate:	Yes	No
Duplicate ID		Dup. Time:
Chain of Custody Signed By:		

Problems / Observations

Initial Purge:

Final Purge:

Attachment 2

Groundwater Laboratory Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. John J Ruspantini
New York State Electric & Gas
18 Link Drive
Binghamton, New York 13902

Generated 12/28/2022 10:12:18 AM Revision 1

JOB DESCRIPTION

NYSEG Former MGP Site - Penn Yan
NYSEG - Penn Yan Former MGP

JOB NUMBER

480-204098-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

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Authorization

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Authorized for release by
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Table of Contents

Definitions/Glossary

Client: New York State Electric & Gas
Job ID: 480-204098-1
Project/Site: NYSEG Former MGP Site - Penn Yan

Qualifiers

GC/MS 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.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
^-	Continuing Calibration Verification (CCV) is outside acceptance limits, low biased.
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job ID: 480-204098-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-204098-1

Revision
This report has been revised to include additional PAH compounds.

Comments
No additional comments.

Receipt
The samples were received on 11/22/2022 2:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 2.6º C, 3.2º C, 3.6º C, 4.2º C and 4.3º C.

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

GC/MS Semi VOA
Method 8270D LL: The following sample was diluted to bring the concentration of target analytes within the calibration range: PRMW-5S (480-204098-10). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Method 9012B: The continuing calibration blank (CCB) method blank (MB) for analytical batch 480-652336 contained Total Cyanide above the reporting limit (RL). All reported samples associated with this CCB and MB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB or MB; therefore, re-analysis of samples was not performed.

Method 9012B: The continuing calibration verification (CCV) associated with batch 480-652336 recovered outside acceptance criteria, low biased, for Cyanide, Total. The sample was re-analyzed outside of analytical hold; both sets of data have been reported.

Method 9012B: Reanalysis of the following samples were performed outside of the analytical holding time due to initial QC failures in original batch : PRMW-2S (480-204098-5) and PRMW-5S (480-204098-10).

Method 9012B: The method blank for preparation batch 480-652336 contained Cyanide, Total above the reporting limit (RL). The sample contained a detection and was re-analyzed outside of analytical hold; Both sets of data have been reported.

Method 9012B: Reanalysis of the following samples were performed outside of the analytical holding time due to failing closing CCV in original batch : PRMW-3D (480-204098-6), PRMW-4S (480-204098-8), PRMW-5D (480-204098-9), PRMW-6D (480-204098-11), PRMW-6S (480-204098-12), TMW-1D (480-204098-13), TMW-2DR (480-204098-14), DUP-20221121 (480-204098-16), (480-204098-C-6 MS), (480-204098-C-13 DU) and (480-204098-C-13 MS). Both sets of data have been reported.

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

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

Detection Summary

Client: New York State Electric & Gas
Job ID: 480-204098-1
Project/Site: NYSEG Former MGP Site - Penn Yan

Client Sample ID: EQUIPMENT BLANK — Lab Sample ID: 480-204098-1

No Detections.

Client Sample ID: FIELD BLANK — Lab Sample ID: 480-204098-2

No Detections.

Client Sample ID: PRMW-1S — Lab Sample ID: 480-204098-3

No Detections.

Client Sample ID: PRMW-2D — Lab Sample ID: 480-204098-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.098	J	1.0	0.067	ug/L	1		8270D LL	Total/NA

Client Sample ID: PRMW-2S — Lab Sample ID: 480-204098-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.069	^2 B	0.010	0.0041	mg/L	1		9012B	Total/NA
Cyanide, Total	0.084	H F1 B	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: PRMW-3D — Lab Sample ID: 480-204098-6

No Detections.

Client Sample ID: PRMW-3S — Lab Sample ID: 480-204098-7

No Detections.

Client Sample ID: PRMW-4S — Lab Sample ID: 480-204098-8

No Detections.

Client Sample ID: PRMW-5D — Lab Sample ID: 480-204098-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.039	J	0.48	0.034	ug/L	1		8270D LL	Total/NA

Client Sample ID: PRMW-5S — Lab Sample ID: 480-204098-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6.1		1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	2.4		1.0	0.74	ug/L	1		8260C	Total/NA
Xylenes, Total	1.4	J	2.0	0.66	ug/L	1		8260C	Total/NA
Acenaphthene	11		2.4	0.17	ug/L	5		8270D LL	Total/NA
Acenaphthylene	1.9		1.4	0.27	ug/L	5		8270D LL	Total/NA
Fluoranthene	1.3	J	2.4	0.38	ug/L	5		8270D LL	Total/NA
Fluorene	3.5		2.4	0.28	ug/L	5		8270D LL	Total/NA
Naphthalene	12		4.8	0.30	ug/L	5		8270D LL	Total/NA
Phenanthrene	1.4		0.95	0.30	ug/L	5		8270D LL	Total/NA
Pyrene	0.83	J	2.4	0.36	ug/L	5		8270D LL	Total/NA
Cyanide, Total	0.011	B ^2 ^-	0.010	0.0041	mg/L	1		9012B	Total/NA
Cyanide, Total	0.031	H B	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: PRMW-6D — Lab Sample ID: 480-204098-11

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: New York State Electric & Gas
Job ID: 480-204098-1
Project/Site: NYSEG Former MGP Site - Penn Yan

Client Sample ID: PRMW-6S — Lab Sample ID: 480-204098-12

No Detections.

Client Sample ID: TMW-1D — Lab Sample ID: 480-204098-13

No Detections.

Client Sample ID: TMW-2DR — Lab Sample ID: 480-204098-14

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-204098-15

No Detections.

Client Sample ID: DUP-20221121 — Lab Sample ID: 480-204098-16

No Detections.

This Detection Summary does not include radiochemical test results.

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 480-204098-1

Date Collected: 11/21/22 13:50
Matrix: WQ
Date Received: 11/22/22 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			11/23/22 12:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 12:44	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 12:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*11/23/22 12:44*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*11/23/22 12:44*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*11/23/22 12:44*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/23/22 12:44*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.48	0.035	ug/L		11/28/22 08:56	11/29/22 13:19	1
Acenaphthylene	ND		0.29	0.054	ug/L		11/28/22 08:56	11/29/22 13:19	1
Anthracene	ND		0.48	0.033	ug/L		11/28/22 08:56	11/29/22 13:19	1
Benzo[a]anthracene	ND		0.29	0.033	ug/L		11/28/22 08:56	11/29/22 13:19	1
Benzo[a]pyrene	ND		0.17	0.13	ug/L		11/28/22 08:56	11/29/22 13:19	1
Benzo[b]fluoranthene	ND		0.29	0.061	ug/L		11/28/22 08:56	11/29/22 13:19	1
Benzo[g,h,i]perylene	ND		0.48	0.056	ug/L		11/28/22 08:56	11/29/22 13:19	1
Benzo[k]fluoranthene	ND		0.29	0.067	ug/L		11/28/22 08:56	11/29/22 13:19	1
Chrysene	ND		0.48	0.071	ug/L		11/28/22 08:56	11/29/22 13:19	1
Dibenz(a,h)anthracene	ND		0.48	0.067	ug/L		11/28/22 08:56	11/29/22 13:19	1
Fluoranthene	ND		0.48	0.077	ug/L		11/28/22 08:56	11/29/22 13:19	1
Fluorene	ND		0.48	0.056	ug/L		11/28/22 08:56	11/29/22 13:19	1
Indeno[1,2,3-cd]pyrene	ND		0.48	0.11	ug/L		11/28/22 08:56	11/29/22 13:19	1
Naphthalene	ND		0.96	0.062	ug/L		11/28/22 08:56	11/29/22 13:19	1
Phenanthrene	ND		0.19	0.060	ug/L		11/28/22 08:56	11/29/22 13:19	1
Pyrene	ND		0.48	0.073	ug/L		11/28/22 08:56	11/29/22 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*108*		*37 - 120*	*11/28/22 08:56*	*11/29/22 13:19*	*1*
Nitrobenzene-d5 (Surr)	*85*		*26 - 120*	*11/28/22 08:56*	*11/29/22 13:19*	*1*
p-Terphenyl-d14	*120*		*64 - 127*	*11/28/22 08:56*	*11/29/22 13:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			12/05/22 17:29	1

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: FIELD BLANK

Date Collected: 11/21/22 13:30
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-2

Matrix: WQ

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			11/23/22 13:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 13:07	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 13:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*11/23/22 13:07*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/23/22 13:07*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*11/23/22 13:07*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/23/22 13:07*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.49	0.035	ug/L		11/28/22 08:56	11/29/22 13:46	1
Acenaphthylene	ND		0.29	0.054	ug/L		11/28/22 08:56	11/29/22 13:46	1
Anthracene	ND		0.49	0.033	ug/L		11/28/22 08:56	11/29/22 13:46	1
Benzo[a]anthracene	ND		0.29	0.033	ug/L		11/28/22 08:56	11/29/22 13:46	1
Benzo[a]pyrene	ND		0.17	0.13	ug/L		11/28/22 08:56	11/29/22 13:46	1
Benzo[b]fluoranthene	ND		0.29	0.061	ug/L		11/28/22 08:56	11/29/22 13:46	1
Benzo[g,h,i]perylene	ND		0.49	0.056	ug/L		11/28/22 08:56	11/29/22 13:46	1
Benzo[k]fluoranthene	ND		0.29	0.068	ug/L		11/28/22 08:56	11/29/22 13:46	1
Chrysene	ND		0.49	0.072	ug/L		11/28/22 08:56	11/29/22 13:46	1
Dibenz(a,h)anthracene	ND		0.49	0.068	ug/L		11/28/22 08:56	11/29/22 13:46	1
Fluoranthene	ND		0.49	0.078	ug/L		11/28/22 08:56	11/29/22 13:46	1
Fluorene	ND		0.49	0.056	ug/L		11/28/22 08:56	11/29/22 13:46	1
Indeno[1,2,3-cd]pyrene	ND		0.49	0.11	ug/L		11/28/22 08:56	11/29/22 13:46	1
Naphthalene	ND		0.97	0.062	ug/L		11/28/22 08:56	11/29/22 13:46	1
Phenanthrene	ND		0.19	0.060	ug/L		11/28/22 08:56	11/29/22 13:46	1
Pyrene	ND		0.49	0.074	ug/L		11/28/22 08:56	11/29/22 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*112*		*37 - 120*	*11/28/22 08:56*	*11/29/22 13:46*	*1*
Nitrobenzene-d5 (Surr)	*85*		*26 - 120*	*11/28/22 08:56*	*11/29/22 13:46*	*1*
p-Terphenyl-d14	*126*		*64 - 127*	*11/28/22 08:56*	*11/29/22 13:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			12/05/22 17:31	1

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: PRMW-1S

Date Collected: 11/22/22 11:00
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-3

Matrix: Ground 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			11/23/22 13:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 13:29	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 13:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*11/23/22 13:29*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*11/23/22 13:29*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*11/23/22 13:29*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/23/22 13:29*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.48	0.034	ug/L		11/28/22 08:56	11/29/22 14:14	1
Acenaphthylene	ND		0.29	0.053	ug/L		11/28/22 08:56	11/29/22 14:14	1
Anthracene	ND		0.48	0.032	ug/L		11/28/22 08:56	11/29/22 14:14	1
Benzo[a]anthracene	ND		0.29	0.032	ug/L		11/28/22 08:56	11/29/22 14:14	1
Benzo[a]pyrene	ND		0.17	0.12	ug/L		11/28/22 08:56	11/29/22 14:14	1
Benzo[b]fluoranthene	ND		0.29	0.060	ug/L		11/28/22 08:56	11/29/22 14:14	1
Benzo[g,h,i]perylene	ND		0.48	0.055	ug/L		11/28/22 08:56	11/29/22 14:14	1
Benzo[k]fluoranthene	ND		0.29	0.067	ug/L		11/28/22 08:56	11/29/22 14:14	1
Chrysene	ND		0.48	0.070	ug/L		11/28/22 08:56	11/29/22 14:14	1
Dibenz(a,h)anthracene	ND		0.48	0.067	ug/L		11/28/22 08:56	11/29/22 14:14	1
Fluoranthene	ND		0.48	0.076	ug/L		11/28/22 08:56	11/29/22 14:14	1
Fluorene	ND		0.48	0.055	ug/L		11/28/22 08:56	11/29/22 14:14	1
Indeno[1,2,3-cd]pyrene	ND		0.48	0.10	ug/L		11/28/22 08:56	11/29/22 14:14	1
Naphthalene	ND		0.95	0.061	ug/L		11/28/22 08:56	11/29/22 14:14	1
Phenanthrene	ND		0.19	0.059	ug/L		11/28/22 08:56	11/29/22 14:14	1
Pyrene	ND		0.48	0.072	ug/L		11/28/22 08:56	11/29/22 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*101*		*37 - 120*	*11/28/22 08:56*	*11/29/22 14:14*	*1*
Nitrobenzene-d5 (Surr)	*79*		*26 - 120*	*11/28/22 08:56*	*11/29/22 14:14*	*1*
p-Terphenyl-d14	*92*		*64 - 127*	*11/28/22 08:56*	*11/29/22 14:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			12/05/22 17:34	1

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: PRMW-2D

Date Collected: 11/22/22 09:50
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-4

Matrix: Ground 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			11/23/22 13:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 13:52	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 13:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*11/23/22 13:52*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*11/23/22 13:52*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*11/23/22 13:52*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/23/22 13:52*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.52	0.038	ug/L		11/28/22 08:56	11/29/22 14:41	1
Acenaphthylene	ND		0.31	0.058	ug/L		11/28/22 08:56	11/29/22 14:41	1
Anthracene	ND		0.52	0.035	ug/L		11/28/22 08:56	11/29/22 14:41	1
Benzo[a]anthracene	ND		0.31	0.035	ug/L		11/28/22 08:56	11/29/22 14:41	1
Benzo[a]pyrene	ND		0.19	0.14	ug/L		11/28/22 08:56	11/29/22 14:41	1
Benzo[b]fluoranthene	ND		0.31	0.066	ug/L		11/28/22 08:56	11/29/22 14:41	1
Benzo[g,h,i]perylene	ND		0.52	0.060	ug/L		11/28/22 08:56	11/29/22 14:41	1
Benzo[k]fluoranthene	ND		0.31	0.073	ug/L		11/28/22 08:56	11/29/22 14:41	1
Chrysene	ND		0.52	0.077	ug/L		11/28/22 08:56	11/29/22 14:41	1
Dibenz(a,h)anthracene	ND		0.52	0.073	ug/L		11/28/22 08:56	11/29/22 14:41	1
Fluoranthene	ND		0.52	0.083	ug/L		11/28/22 08:56	11/29/22 14:41	1
Fluorene	ND		0.52	0.060	ug/L		11/28/22 08:56	11/29/22 14:41	1
Indeno[1,2,3-cd]pyrene	ND		0.52	0.11	ug/L		11/28/22 08:56	11/29/22 14:41	1
Naphthalene	**0.098**	**J**	1.0	0.067	ug/L		11/28/22 08:56	11/29/22 14:41	1
Phenanthrene	ND		0.21	0.065	ug/L		11/28/22 08:56	11/29/22 14:41	1
Pyrene	ND		0.52	0.079	ug/L		11/28/22 08:56	11/29/22 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*104*		*37 - 120*	*11/28/22 08:56*	*11/29/22 14:41*	*1*
Nitrobenzene-d5 (Surr)	*77*		*26 - 120*	*11/28/22 08:56*	*11/29/22 14:41*	*1*
p-Terphenyl-d14	*107*		*64 - 127*	*11/28/22 08:56*	*11/29/22 14:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			12/05/22 17:37	1

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: PRMW-2S

Date Collected: 11/22/22 11:30
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-5

Matrix: Ground 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			11/23/22 14:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 14:15	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 14:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*11/23/22 14:15*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*11/23/22 14:15*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*11/23/22 14:15*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*11/23/22 14:15*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.49	0.035	ug/L		11/28/22 08:56	11/29/22 15:09	1
Acenaphthylene	ND		0.29	0.055	ug/L		11/28/22 08:56	11/29/22 15:09	1
Anthracene	ND		0.49	0.033	ug/L		11/28/22 08:56	11/29/22 15:09	1
Benzo[a]anthracene	ND		0.29	0.033	ug/L		11/28/22 08:56	11/29/22 15:09	1
Benzo[a]pyrene	ND		0.18	0.13	ug/L		11/28/22 08:56	11/29/22 15:09	1
Benzo[b]fluoranthene	ND		0.29	0.062	ug/L		11/28/22 08:56	11/29/22 15:09	1
Benzo[g,h,i]perylene	ND		0.49	0.057	ug/L		11/28/22 08:56	11/29/22 15:09	1
Benzo[k]fluoranthene	ND		0.29	0.069	ug/L		11/28/22 08:56	11/29/22 15:09	1
Chrysene	ND		0.49	0.073	ug/L		11/28/22 08:56	11/29/22 15:09	1
Dibenz(a,h)anthracene	ND		0.49	0.069	ug/L		11/28/22 08:56	11/29/22 15:09	1
Fluoranthene	ND		0.49	0.078	ug/L		11/28/22 08:56	11/29/22 15:09	1
Fluorene	ND		0.49	0.057	ug/L		11/28/22 08:56	11/29/22 15:09	1
Indeno[1,2,3-cd]pyrene	ND		0.49	0.11	ug/L		11/28/22 08:56	11/29/22 15:09	1
Naphthalene	ND		0.98	0.063	ug/L		11/28/22 08:56	11/29/22 15:09	1
Phenanthrene	ND		0.20	0.061	ug/L		11/28/22 08:56	11/29/22 15:09	1
Pyrene	ND		0.49	0.075	ug/L		11/28/22 08:56	11/29/22 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*109*		*37 - 120*	*11/28/22 08:56*	*11/29/22 15:09*	*1*
Nitrobenzene-d5 (Surr)	*82*		*26 - 120*	*11/28/22 08:56*	*11/29/22 15:09*	*1*
p-Terphenyl-d14	*101*		*64 - 127*	*11/28/22 08:56*	*11/29/22 15:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.069**	**^2 B**	0.010	0.0041	mg/L			12/05/22 17:39	1
Cyanide, Total (SW846 9012B)	**0.084**	**H F1 B**	0.010	0.0041	mg/L			12/09/22 10:22	1

Client Sample ID: PRMW-3D
Date Collected: 11/21/22 14:55
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-6
Matrix: Ground 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			11/23/22 14:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 14:38	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 14:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*11/23/22 14:38*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/23/22 14:38*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*11/23/22 14:38*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/23/22 14:38*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.036	ug/L		11/28/22 08:56	11/29/22 15:36	1
Acenaphthylene	ND		0.30	0.055	ug/L		11/28/22 08:56	11/29/22 15:36	1
Anthracene	ND		0.50	0.034	ug/L		11/28/22 08:56	11/29/22 15:36	1
Benzo[a]anthracene	ND		0.30	0.034	ug/L		11/28/22 08:56	11/29/22 15:36	1
Benzo[a]pyrene	ND		0.18	0.13	ug/L		11/28/22 08:56	11/29/22 15:36	1
Benzo[b]fluoranthene	ND		0.30	0.062	ug/L		11/28/22 08:56	11/29/22 15:36	1
Benzo[g,h,i]perylene	ND		0.50	0.057	ug/L		11/28/22 08:56	11/29/22 15:36	1
Benzo[k]fluoranthene	ND		0.30	0.069	ug/L		11/28/22 08:56	11/29/22 15:36	1
Chrysene	ND		0.50	0.073	ug/L		11/28/22 08:56	11/29/22 15:36	1
Dibenz(a,h)anthracene	ND		0.50	0.069	ug/L		11/28/22 08:56	11/29/22 15:36	1
Fluoranthene	ND		0.50	0.079	ug/L		11/28/22 08:56	11/29/22 15:36	1
Fluorene	ND		0.50	0.057	ug/L		11/28/22 08:56	11/29/22 15:36	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.11	ug/L		11/28/22 08:56	11/29/22 15:36	1
Naphthalene	ND		0.99	0.063	ug/L		11/28/22 08:56	11/29/22 15:36	1
Phenanthrene	ND		0.20	0.061	ug/L		11/28/22 08:56	11/29/22 15:36	1
Pyrene	ND		0.50	0.075	ug/L		11/28/22 08:56	11/29/22 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*97*		*37 - 120*	*11/28/22 08:56*	*11/29/22 15:36*	*1*
Nitrobenzene-d5 (Surr)	*69*		*26 - 120*	*11/28/22 08:56*	*11/29/22 15:36*	*1*
p-Terphenyl-d14	*93*		*64 - 127*	*11/28/22 08:56*	*11/29/22 15:36*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	F1 ^-	0.010	0.0041	mg/L			12/05/22 17:52	1
Cyanide, Total (SW846 9012B)	ND	H F1	0.010	0.0041	mg/L			12/12/22 09:40	1

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: PRMW-3S

Date Collected: 11/21/22 12:30
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-7

Matrix: Ground 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			11/23/22 15:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 15:01	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 15:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*11/23/22 15:01*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/23/22 15:01*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*11/23/22 15:01*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/23/22 15:01*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.49	0.035	ug/L		11/28/22 08:56	11/29/22 12:51	1
Acenaphthylene	ND		0.29	0.055	ug/L		11/28/22 08:56	11/29/22 12:51	1
Anthracene	ND		0.49	0.033	ug/L		11/28/22 08:56	11/29/22 12:51	1
Benzo[a]anthracene	ND	F1	0.29	0.033	ug/L		11/28/22 08:56	11/29/22 12:51	1
Benzo[a]pyrene	ND	F1	0.18	0.13	ug/L		11/28/22 08:56	11/29/22 12:51	1
Benzo[b]fluoranthene	ND	F1 F2	0.29	0.062	ug/L		11/28/22 08:56	11/29/22 12:51	1
Benzo[g,h,i]perylene	ND		0.49	0.057	ug/L		11/28/22 08:56	11/29/22 12:51	1
Benzo[k]fluoranthene	ND		0.29	0.069	ug/L		11/28/22 08:56	11/29/22 12:51	1
Chrysene	ND	F1	0.49	0.073	ug/L		11/28/22 08:56	11/29/22 12:51	1
Dibenz(a,h)anthracene	ND		0.49	0.069	ug/L		11/28/22 08:56	11/29/22 12:51	1
Fluoranthene	ND		0.49	0.078	ug/L		11/28/22 08:56	11/29/22 12:51	1
Fluorene	ND		0.49	0.057	ug/L		11/28/22 08:56	11/29/22 12:51	1
Indeno[1,2,3-cd]pyrene	ND		0.49	0.11	ug/L		11/28/22 08:56	11/29/22 12:51	1
Naphthalene	ND		0.98	0.063	ug/L		11/28/22 08:56	11/29/22 12:51	1
Phenanthrene	ND		0.20	0.061	ug/L		11/28/22 08:56	11/29/22 12:51	1
Pyrene	ND		0.49	0.075	ug/L		11/28/22 08:56	11/29/22 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*105*		*37 - 120*	*11/28/22 08:56*	*11/29/22 12:51*	*1*
Nitrobenzene-d5 (Surr)	*77*		*26 - 120*	*11/28/22 08:56*	*11/29/22 12:51*	*1*
p-Terphenyl-d14	*96*		*64 - 127*	*11/28/22 08:56*	*11/29/22 12:51*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	F1	0.010	0.0041	mg/L			12/05/22 17:21	1

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: PRMW-4S

Date Collected: 11/21/22 12:30
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-8

Matrix: Ground 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			11/23/22 15:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 15:24	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 15:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*11/23/22 15:24*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*11/23/22 15:24*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*11/23/22 15:24*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/23/22 15:24*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.48	0.034	ug/L		11/28/22 08:56	11/29/22 16:04	1
Acenaphthylene	ND		0.29	0.053	ug/L		11/28/22 08:56	11/29/22 16:04	1
Anthracene	ND		0.48	0.032	ug/L		11/28/22 08:56	11/29/22 16:04	1
Benzo[a]anthracene	ND		0.29	0.032	ug/L		11/28/22 08:56	11/29/22 16:04	1
Benzo[a]pyrene	ND		0.17	0.12	ug/L		11/28/22 08:56	11/29/22 16:04	1
Benzo[b]fluoranthene	ND		0.29	0.060	ug/L		11/28/22 08:56	11/29/22 16:04	1
Benzo[g,h,i]perylene	ND		0.48	0.055	ug/L		11/28/22 08:56	11/29/22 16:04	1
Benzo[k]fluoranthene	ND		0.29	0.067	ug/L		11/28/22 08:56	11/29/22 16:04	1
Chrysene	ND		0.48	0.070	ug/L		11/28/22 08:56	11/29/22 16:04	1
Dibenz(a,h)anthracene	ND		0.48	0.067	ug/L		11/28/22 08:56	11/29/22 16:04	1
Fluoranthene	ND		0.48	0.076	ug/L		11/28/22 08:56	11/29/22 16:04	1
Fluorene	ND		0.48	0.055	ug/L		11/28/22 08:56	11/29/22 16:04	1
Indeno[1,2,3-cd]pyrene	ND		0.48	0.10	ug/L		11/28/22 08:56	11/29/22 16:04	1
Naphthalene	ND		0.95	0.061	ug/L		11/28/22 08:56	11/29/22 16:04	1
Phenanthrene	ND		0.19	0.059	ug/L		11/28/22 08:56	11/29/22 16:04	1
Pyrene	ND		0.48	0.072	ug/L		11/28/22 08:56	11/29/22 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*37 - 120*	*11/28/22 08:56*	*11/29/22 16:04*	*1*
Nitrobenzene-d5 (Surr)	*68*		*26 - 120*	*11/28/22 08:56*	*11/29/22 16:04*	*1*
p-Terphenyl-d14	*93*		*64 - 127*	*11/28/22 08:56*	*11/29/22 16:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	^-	0.010	0.0041	mg/L			12/05/22 17:57	1
Cyanide, Total (SW846 9012B)	ND	H	0.010	0.0041	mg/L			12/12/22 09:46	1

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: PRMW-5D

Date Collected: 11/21/22 14:15
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-9

Matrix: Ground 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			11/23/22 15:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 15:46	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 15:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*11/23/22 15:46*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*11/23/22 15:46*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*11/23/22 15:46*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/23/22 15:46*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.039**	**J**	0.48	0.034	ug/L		11/28/22 08:56	11/29/22 16:32	1
Acenaphthylene	ND		0.29	0.053	ug/L		11/28/22 08:56	11/29/22 16:32	1
Anthracene	ND		0.48	0.032	ug/L		11/28/22 08:56	11/29/22 16:32	1
Benzo[a]anthracene	ND		0.29	0.032	ug/L		11/28/22 08:56	11/29/22 16:32	1
Benzo[a]pyrene	ND		0.17	0.12	ug/L		11/28/22 08:56	11/29/22 16:32	1
Benzo[b]fluoranthene	ND		0.29	0.060	ug/L		11/28/22 08:56	11/29/22 16:32	1
Benzo[g,h,i]perylene	ND		0.48	0.055	ug/L		11/28/22 08:56	11/29/22 16:32	1
Benzo[k]fluoranthene	ND		0.29	0.067	ug/L		11/28/22 08:56	11/29/22 16:32	1
Chrysene	ND		0.48	0.070	ug/L		11/28/22 08:56	11/29/22 16:32	1
Dibenz(a,h)anthracene	ND		0.48	0.067	ug/L		11/28/22 08:56	11/29/22 16:32	1
Fluoranthene	ND		0.48	0.076	ug/L		11/28/22 08:56	11/29/22 16:32	1
Fluorene	ND		0.48	0.055	ug/L		11/28/22 08:56	11/29/22 16:32	1
Indeno[1,2,3-cd]pyrene	ND		0.48	0.10	ug/L		11/28/22 08:56	11/29/22 16:32	1
Naphthalene	ND		0.95	0.061	ug/L		11/28/22 08:56	11/29/22 16:32	1
Phenanthrene	ND		0.19	0.059	ug/L		11/28/22 08:56	11/29/22 16:32	1
Pyrene	ND		0.48	0.072	ug/L		11/28/22 08:56	11/29/22 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*106*		*37 - 120*	*11/28/22 08:56*	*11/29/22 16:32*	*1*
Nitrobenzene-d5 (Surr)	*75*		*26 - 120*	*11/28/22 08:56*	*11/29/22 16:32*	*1*
p-Terphenyl-d14	*95*		*64 - 127*	*11/28/22 08:56*	*11/29/22 16:32*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	^-	0.010	0.0041	mg/L			12/05/22 18:00	1
Cyanide, Total (SW846 9012B)	ND	H	0.010	0.0041	mg/L			12/12/22 09:48	1

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: PRMW-5S

Date Collected: 11/21/22 16:00
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-10

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6.1**		1.0	0.41	ug/L			11/23/22 16:09	1
Ethylbenzene	**2.4**		1.0	0.74	ug/L			11/23/22 16:09	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 16:09	1
Xylenes, Total	**1.4**	**J**	2.0	0.66	ug/L			11/23/22 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*11/23/22 16:09*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/23/22 16:09*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*11/23/22 16:09*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/23/22 16:09*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**11**		2.4	0.17	ug/L		11/28/22 08:56	11/29/22 16:59	5
Acenaphthylene	**1.9**		1.4	0.27	ug/L		11/28/22 08:56	11/29/22 16:59	5
Anthracene	ND		2.4	0.16	ug/L		11/28/22 08:56	11/29/22 16:59	5
Benzo[a]anthracene	ND		1.4	0.16	ug/L		11/28/22 08:56	11/29/22 16:59	5
Benzo[a]pyrene	ND		0.86	0.62	ug/L		11/28/22 08:56	11/29/22 16:59	5
Benzo[b]fluoranthene	ND		1.4	0.30	ug/L		11/28/22 08:56	11/29/22 16:59	5
Benzo[g,h,i]perylene	ND		2.4	0.28	ug/L		11/28/22 08:56	11/29/22 16:59	5
Benzo[k]fluoranthene	ND		1.4	0.33	ug/L		11/28/22 08:56	11/29/22 16:59	5
Chrysene	ND		2.4	0.35	ug/L		11/28/22 08:56	11/29/22 16:59	5
Dibenz(a,h)anthracene	ND		2.4	0.33	ug/L		11/28/22 08:56	11/29/22 16:59	5
Fluoranthene	**1.3**	**J**	2.4	0.38	ug/L		11/28/22 08:56	11/29/22 16:59	5
Fluorene	**3.5**		2.4	0.28	ug/L		11/28/22 08:56	11/29/22 16:59	5
Indeno[1,2,3-cd]pyrene	ND		2.4	0.52	ug/L		11/28/22 08:56	11/29/22 16:59	5
Naphthalene	**12**		4.8	0.30	ug/L		11/28/22 08:56	11/29/22 16:59	5
Phenanthrene	**1.4**		0.95	0.30	ug/L		11/28/22 08:56	11/29/22 16:59	5
Pyrene	**0.83**	**J**	2.4	0.36	ug/L		11/28/22 08:56	11/29/22 16:59	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*37 - 120*	*11/28/22 08:56*	*11/29/22 16:59*	*5*
Nitrobenzene-d5 (Surr)	*62*		*26 - 120*	*11/28/22 08:56*	*11/29/22 16:59*	*5*
p-Terphenyl-d14	*74*		*64 - 127*	*11/28/22 08:56*	*11/29/22 16:59*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.011**	**B ^2 ^-**	0.010	0.0041	mg/L			12/05/22 18:03	1
Cyanide, Total (SW846 9012B)	**0.031**	**H B**	0.010	0.0041	mg/L			12/09/22 10:27	1

Client Sample ID: PRMW-6D
Lab Sample ID: 480-204098-11

Date Collected: 11/21/22 10:25
Matrix: Ground Water
Date Received: 11/22/22 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			11/23/22 16:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 16:32	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 16:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*11/23/22 16:32*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/23/22 16:32*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*11/23/22 16:32*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/23/22 16:32*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.48	0.034	ug/L		11/28/22 08:56	11/29/22 17:27	1
Acenaphthylene	ND		0.29	0.053	ug/L		11/28/22 08:56	11/29/22 17:27	1
Anthracene	ND		0.48	0.032	ug/L		11/28/22 08:56	11/29/22 17:27	1
Benzo[a]anthracene	ND		0.29	0.032	ug/L		11/28/22 08:56	11/29/22 17:27	1
Benzo[a]pyrene	ND		0.17	0.12	ug/L		11/28/22 08:56	11/29/22 17:27	1
Benzo[b]fluoranthene	ND		0.29	0.060	ug/L		11/28/22 08:56	11/29/22 17:27	1
Benzo[g,h,i]perylene	ND		0.48	0.055	ug/L		11/28/22 08:56	11/29/22 17:27	1
Benzo[k]fluoranthene	ND		0.29	0.067	ug/L		11/28/22 08:56	11/29/22 17:27	1
Chrysene	ND		0.48	0.070	ug/L		11/28/22 08:56	11/29/22 17:27	1
Dibenz(a,h)anthracene	ND		0.48	0.067	ug/L		11/28/22 08:56	11/29/22 17:27	1
Fluoranthene	ND		0.48	0.076	ug/L		11/28/22 08:56	11/29/22 17:27	1
Fluorene	ND		0.48	0.055	ug/L		11/28/22 08:56	11/29/22 17:27	1
Indeno[1,2,3-cd]pyrene	ND		0.48	0.10	ug/L		11/28/22 08:56	11/29/22 17:27	1
Naphthalene	ND		0.95	0.061	ug/L		11/28/22 08:56	11/29/22 17:27	1
Phenanthrene	ND		0.19	0.059	ug/L		11/28/22 08:56	11/29/22 17:27	1
Pyrene	ND		0.48	0.072	ug/L		11/28/22 08:56	11/29/22 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*37 - 120*	*11/28/22 08:56*	*11/29/22 17:27*	*1*
Nitrobenzene-d5 (Surr)	*67*		*26 - 120*	*11/28/22 08:56*	*11/29/22 17:27*	*1*
p-Terphenyl-d14	*97*		*64 - 127*	*11/28/22 08:56*	*11/29/22 17:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	^-	0.010	0.0041	mg/L			12/05/22 18:05	1
Cyanide, Total (SW846 9012B)	ND	H	0.010	0.0041	mg/L			12/12/22 09:51	1

Client Sample ID: PRMW-6S
Lab Sample ID: 480-204098-12

Date Collected: 11/21/22 11:45
Matrix: Ground Water

Date Received: 11/22/22 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			11/23/22 16:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 16:56	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 16:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*11/23/22 16:56*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*11/23/22 16:56*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*11/23/22 16:56*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/23/22 16:56*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.48	0.034	ug/L		11/28/22 08:56	11/29/22 17:54	1
Acenaphthylene	ND		0.29	0.053	ug/L		11/28/22 08:56	11/29/22 17:54	1
Anthracene	ND		0.48	0.032	ug/L		11/28/22 08:56	11/29/22 17:54	1
Benzo[a]anthracene	ND		0.29	0.032	ug/L		11/28/22 08:56	11/29/22 17:54	1
Benzo[a]pyrene	ND		0.17	0.12	ug/L		11/28/22 08:56	11/29/22 17:54	1
Benzo[b]fluoranthene	ND		0.29	0.060	ug/L		11/28/22 08:56	11/29/22 17:54	1
Benzo[g,h,i]perylene	ND		0.48	0.055	ug/L		11/28/22 08:56	11/29/22 17:54	1
Benzo[k]fluoranthene	ND		0.29	0.067	ug/L		11/28/22 08:56	11/29/22 17:54	1
Chrysene	ND		0.48	0.070	ug/L		11/28/22 08:56	11/29/22 17:54	1
Dibenz(a,h)anthracene	ND		0.48	0.067	ug/L		11/28/22 08:56	11/29/22 17:54	1
Fluoranthene	ND		0.48	0.076	ug/L		11/28/22 08:56	11/29/22 17:54	1
Fluorene	ND		0.48	0.055	ug/L		11/28/22 08:56	11/29/22 17:54	1
Indeno[1,2,3-cd]pyrene	ND		0.48	0.10	ug/L		11/28/22 08:56	11/29/22 17:54	1
Naphthalene	ND		0.95	0.061	ug/L		11/28/22 08:56	11/29/22 17:54	1
Phenanthrene	ND		0.19	0.059	ug/L		11/28/22 08:56	11/29/22 17:54	1
Pyrene	ND		0.48	0.072	ug/L		11/28/22 08:56	11/29/22 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*37 - 120*	*11/28/22 08:56*	*11/29/22 17:54*	*1*
Nitrobenzene-d5 (Surr)	*59*		*26 - 120*	*11/28/22 08:56*	*11/29/22 17:54*	*1*
p-Terphenyl-d14	*92*		*64 - 127*	*11/28/22 08:56*	*11/29/22 17:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	^-	0.010	0.0041	mg/L			12/05/22 18:08	1
Cyanide, Total (SW846 9012B)	ND	H	0.010	0.0041	mg/L			12/12/22 09:54	1

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: TMW-1D

Date Collected: 11/21/22 16:00
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-13

Matrix: Ground 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			11/23/22 17:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 17:18	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 17:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*11/23/22 17:18*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*11/23/22 17:18*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*11/23/22 17:18*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/23/22 17:18*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.036	ug/L		11/28/22 08:56	11/29/22 18:21	1
Acenaphthylene	ND		0.30	0.055	ug/L		11/28/22 08:56	11/29/22 18:21	1
Anthracene	ND		0.50	0.034	ug/L		11/28/22 08:56	11/29/22 18:21	1
Benzo[a]anthracene	ND		0.30	0.034	ug/L		11/28/22 08:56	11/29/22 18:21	1
Benzo[a]pyrene	ND		0.18	0.13	ug/L		11/28/22 08:56	11/29/22 18:21	1
Benzo[b]fluoranthene	ND		0.30	0.062	ug/L		11/28/22 08:56	11/29/22 18:21	1
Benzo[g,h,i]perylene	ND		0.50	0.057	ug/L		11/28/22 08:56	11/29/22 18:21	1
Benzo[k]fluoranthene	ND		0.30	0.069	ug/L		11/28/22 08:56	11/29/22 18:21	1
Chrysene	ND		0.50	0.073	ug/L		11/28/22 08:56	11/29/22 18:21	1
Dibenz(a,h)anthracene	ND		0.50	0.069	ug/L		11/28/22 08:56	11/29/22 18:21	1
Fluoranthene	ND		0.50	0.079	ug/L		11/28/22 08:56	11/29/22 18:21	1
Fluorene	ND		0.50	0.057	ug/L		11/28/22 08:56	11/29/22 18:21	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.11	ug/L		11/28/22 08:56	11/29/22 18:21	1
Naphthalene	ND		0.99	0.063	ug/L		11/28/22 08:56	11/29/22 18:21	1
Phenanthrene	ND		0.20	0.061	ug/L		11/28/22 08:56	11/29/22 18:21	1
Pyrene	ND		0.50	0.075	ug/L		11/28/22 08:56	11/29/22 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*37 - 120*	*11/28/22 08:56*	*11/29/22 18:21*	*1*
Nitrobenzene-d5 (Surr)	*65*		*26 - 120*	*11/28/22 08:56*	*11/29/22 18:21*	*1*
p-Terphenyl-d14	*96*		*64 - 127*	*11/28/22 08:56*	*11/29/22 18:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	^-	0.010	0.0041	mg/L			12/05/22 18:11	1
Cyanide, Total (SW846 9012B)	ND	H	0.010	0.0041	mg/L			12/12/22 10:07	1

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: TMW-2DR

Date Collected: 11/21/22 10:45
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-14

Matrix: Ground 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			11/23/22 17:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 17:41	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 17:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*11/23/22 17:41*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*11/23/22 17:41*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*11/23/22 17:41*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/23/22 17:41*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.52	0.037	ug/L		11/28/22 08:56	11/29/22 18:49	1
Acenaphthylene	ND		0.31	0.058	ug/L		11/28/22 08:56	11/29/22 18:49	1
Anthracene	ND		0.52	0.035	ug/L		11/28/22 08:56	11/29/22 18:49	1
Benzo[a]anthracene	ND		0.31	0.035	ug/L		11/28/22 08:56	11/29/22 18:49	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		11/28/22 08:56	11/29/22 18:49	1
Benzo[b]fluoranthene	ND		0.31	0.065	ug/L		11/28/22 08:56	11/29/22 18:49	1
Benzo[g,h,i]perylene	ND		0.52	0.060	ug/L		11/28/22 08:56	11/29/22 18:49	1
Benzo[k]fluoranthene	ND		0.31	0.072	ug/L		11/28/22 08:56	11/29/22 18:49	1
Chrysene	ND		0.52	0.076	ug/L		11/28/22 08:56	11/29/22 18:49	1
Dibenz(a,h)anthracene	ND		0.52	0.072	ug/L		11/28/22 08:56	11/29/22 18:49	1
Fluoranthene	ND		0.52	0.082	ug/L		11/28/22 08:56	11/29/22 18:49	1
Fluorene	ND		0.52	0.060	ug/L		11/28/22 08:56	11/29/22 18:49	1
Indeno[1,2,3-cd]pyrene	ND		0.52	0.11	ug/L		11/28/22 08:56	11/29/22 18:49	1
Naphthalene	ND		1.0	0.066	ug/L		11/28/22 08:56	11/29/22 18:49	1
Phenanthrene	ND		0.21	0.064	ug/L		11/28/22 08:56	11/29/22 18:49	1
Pyrene	ND		0.52	0.078	ug/L		11/28/22 08:56	11/29/22 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*100*		*37 - 120*	*11/28/22 08:56*	*11/29/22 18:49*	*1*
Nitrobenzene-d5 (Surr)	*81*		*26 - 120*	*11/28/22 08:56*	*11/29/22 18:49*	*1*
p-Terphenyl-d14	*89*		*64 - 127*	*11/28/22 08:56*	*11/29/22 18:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	^-	0.010	0.0041	mg/L			12/05/22 18:13	1
Cyanide, Total (SW846 9012B)	ND	H	0.010	0.0041	mg/L			12/12/22 10:15	1

Client: New York State Electric & Gas
Job ID: 480-204098-1
Project/Site: NYSEG Former MGP Site - Penn Yan

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-204098-15
Date Collected: 11/21/22 00:00
Matrix: WQ
Date Received: 11/22/22 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			11/23/22 18:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 18:04	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 18:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*11/23/22 18:04*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*11/23/22 18:04*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*11/23/22 18:04*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/23/22 18:04*	*1*

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: DUP-20221121

Date Collected: 11/21/22 00:00
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-16

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			11/23/22 18:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 18:27	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 18:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*11/23/22 18:27*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/23/22 18:27*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*11/23/22 18:27*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/23/22 18:27*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.036	ug/L		11/28/22 08:56	11/29/22 19:17	1
Acenaphthylene	ND		0.30	0.056	ug/L		11/28/22 08:56	11/29/22 19:17	1
Anthracene	ND		0.50	0.034	ug/L		11/28/22 08:56	11/29/22 19:17	1
Benzo[a]anthracene	ND		0.30	0.034	ug/L		11/28/22 08:56	11/29/22 19:17	1
Benzo[a]pyrene	ND		0.18	0.13	ug/L		11/28/22 08:56	11/29/22 19:17	1
Benzo[b]fluoranthene	ND		0.30	0.063	ug/L		11/28/22 08:56	11/29/22 19:17	1
Benzo[g,h,i]perylene	ND		0.50	0.058	ug/L		11/28/22 08:56	11/29/22 19:17	1
Benzo[k]fluoranthene	ND		0.30	0.070	ug/L		11/28/22 08:56	11/29/22 19:17	1
Chrysene	ND		0.50	0.074	ug/L		11/28/22 08:56	11/29/22 19:17	1
Dibenz(a,h)anthracene	ND		0.50	0.070	ug/L		11/28/22 08:56	11/29/22 19:17	1
Fluoranthene	ND		0.50	0.080	ug/L		11/28/22 08:56	11/29/22 19:17	1
Fluorene	ND		0.50	0.058	ug/L		11/28/22 08:56	11/29/22 19:17	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.11	ug/L		11/28/22 08:56	11/29/22 19:17	1
Naphthalene	ND		1.0	0.064	ug/L		11/28/22 08:56	11/29/22 19:17	1
Phenanthrene	ND		0.20	0.062	ug/L		11/28/22 08:56	11/29/22 19:17	1
Pyrene	ND		0.50	0.076	ug/L		11/28/22 08:56	11/29/22 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*100*		*37 - 120*	*11/28/22 08:56*	*11/29/22 19:17*	*1*
Nitrobenzene-d5 (Surr)	*75*		*26 - 120*	*11/28/22 08:56*	*11/29/22 19:17*	*1*
p-Terphenyl-d14	*98*		*64 - 127*	*11/28/22 08:56*	*11/29/22 19:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	^-	0.010	0.0041	mg/L			12/05/22 18:16	1
Cyanide, Total (SW846 9012B)	ND	H	0.010	0.0041	mg/L			12/12/22 10:18	1

Surrogate Summary

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

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

Matrix: Ground 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)
480-204098-3	PRMW-1S	106	95	97	98
480-204098-4	PRMW-2D	98	98	91	100
480-204098-5	PRMW-2S	98	92	93	96
480-204098-6	PRMW-3D	103	96	94	99
480-204098-7	PRMW-3S	103	96	99	101
480-204098-7 MS	PRMW-3S MS	96	100	93	103
480-204098-7 MSD	PRMW-3S MSD	98	99	96	100
480-204098-8	PRMW-4S	105	91	98	97
480-204098-9	PRMW-5D	106	94	99	97
480-204098-10	PRMW-5S	105	96	98	100
480-204098-11	PRMW-6D	101	96	97	100
480-204098-12	PRMW-6S	104	97	95	100
480-204098-13	TMW-1D	99	98	91	99
480-204098-14	TMW-2DR	100	95	95	98

Surrogate Legend

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

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)
480-204098-16	DUP-20221121	106	96	97	100
LCS 480-651114/5	Lab Control Sample	98	98	96	100
MB 480-651114/7	Method Blank	99	98	95	101

Surrogate Legend

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

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

Matrix: WQ

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)
480-204098-1	EQUIPMENT BLANK	110	97	103	101
480-204098-2	FIELD BLANK	105	96	101	102
480-204098-15	TRIP BLANK	109	94	98	97

Surrogate Legend

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

Surrogate Summary

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Ground Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(37-120)	(26-120)	(64-127)
480-204098-3	PRMW-1S	101	79	92
480-204098-4	PRMW-2D	104	77	107
480-204098-5	PRMW-2S	109	82	101
480-204098-6	PRMW-3D	97	69	93
480-204098-7	PRMW-3S	105	77	96
480-204098-7 MS	PRMW-3S MS	108	90	81
480-204098-7 MSD	PRMW-3S MSD	108	97	83
480-204098-8	PRMW-4S	89	68	93
480-204098-9	PRMW-5D	106	75	95
480-204098-10	PRMW-5S	75	62	74
480-204098-11	PRMW-6D	86	67	97
480-204098-12	PRMW-6S	81	59	92
480-204098-13	TMW-1D	92	65	96
480-204098-14	TMW-2DR	100	81	89

Surrogate Legend

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

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(37-120)	(26-120)	(64-127)
480-204098-16	DUP-20221121	100	75	98
LCS 480-651303/2-A	Lab Control Sample	108	92	109
MB 480-651303/1-A	Method Blank	95	75	111

Surrogate Legend

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

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: WQ

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(37-120)	(26-120)	(64-127)
480-204098-1	EQUIPMENT BLANK	108	85	120
480-204098-2	FIELD BLANK	112	85	126

Surrogate Legend

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

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

Lab Sample ID: MB 480-651114/7
Matrix: Water
Analysis Batch: 651114

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			11/23/22 10:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 10:38	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 10:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 10:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*11/23/22 10:38*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*11/23/22 10:38*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*11/23/22 10:38*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/23/22 10:38*	*1*

Lab Sample ID: LCS 480-651114/5
Matrix: Water
Analysis Batch: 651114

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	22.4		ug/L		89	71 - 124
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123
Toluene	25.0	24.0		ug/L		96	80 - 122
Xylenes, Total	50.0	46.9		ug/L		94	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 480-204098-7 MS
Matrix: Ground Water
Analysis Batch: 651114

Client Sample ID: PRMW-3S MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		25.0	23.8		ug/L		95	71 - 124
Ethylbenzene	ND		25.0	27.0		ug/L		108	77 - 123
Toluene	ND		25.0	26.1		ug/L		104	80 - 122
Xylenes, Total	ND		50.0	52.9		ug/L		106	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*93*		*75 - 123*
Toluene-d8 (Surr)	*103*		*80 - 120*

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

Lab Sample ID: 480-204098-7 MSD
Matrix: Ground Water
Analysis Batch: 651114

Client Sample ID: PRMW-3S MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		25.0	23.4		ug/L		94	71 - 124	2	13
Ethylbenzene	ND		25.0	26.8		ug/L		107	77 - 123	1	15
Toluene	ND		25.0	25.8		ug/L		103	80 - 122	1	15
Xylenes, Total	ND		50.0	51.8		ug/L		104	76 - 122	2	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 480-651303/1-A
Matrix: Water
Analysis Batch: 651438

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651303

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.036	ug/L		11/28/22 08:56	11/29/22 11:01	1
Acenaphthylene	ND		0.30	0.056	ug/L		11/28/22 08:56	11/29/22 11:01	1
Anthracene	ND		0.50	0.034	ug/L		11/28/22 08:56	11/29/22 11:01	1
Benzo[a]anthracene	ND		0.30	0.034	ug/L		11/28/22 08:56	11/29/22 11:01	1
Benzo[a]pyrene	ND		0.18	0.13	ug/L		11/28/22 08:56	11/29/22 11:01	1
Benzo[b]fluoranthene	ND		0.30	0.063	ug/L		11/28/22 08:56	11/29/22 11:01	1
Benzo[g,h,i]perylene	ND		0.50	0.058	ug/L		11/28/22 08:56	11/29/22 11:01	1
Benzo[k]fluoranthene	ND		0.30	0.070	ug/L		11/28/22 08:56	11/29/22 11:01	1
Chrysene	ND		0.50	0.074	ug/L		11/28/22 08:56	11/29/22 11:01	1
Dibenz(a,h)anthracene	ND		0.50	0.070	ug/L		11/28/22 08:56	11/29/22 11:01	1
Fluoranthene	ND		0.50	0.080	ug/L		11/28/22 08:56	11/29/22 11:01	1
Fluorene	ND		0.50	0.058	ug/L		11/28/22 08:56	11/29/22 11:01	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.11	ug/L		11/28/22 08:56	11/29/22 11:01	1
Naphthalene	ND		1.0	0.064	ug/L		11/28/22 08:56	11/29/22 11:01	1
Phenanthrene	ND		0.20	0.062	ug/L		11/28/22 08:56	11/29/22 11:01	1
Pyrene	ND		0.50	0.076	ug/L		11/28/22 08:56	11/29/22 11:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*37 - 120*	*11/28/22 08:56*	*11/29/22 11:01*	*1*
Nitrobenzene-d5 (Surr)	*75*		*26 - 120*	*11/28/22 08:56*	*11/29/22 11:01*	*1*
p-Terphenyl-d14	*111*		*64 - 127*	*11/28/22 08:56*	*11/29/22 11:01*	*1*

Lab Sample ID: LCS 480-651303/2-A
Matrix: Water
Analysis Batch: 651438

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651303

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	8.00	7.71		ug/L		96	62 - 120
Acenaphthylene	8.00	8.09		ug/L		101	57 - 120
Anthracene	8.00	9.06		ug/L		113	65 - 123

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 480-651303/2-A
Matrix: Water
Analysis Batch: 651438

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651303

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]anthracene	8.00	7.71		ug/L		96	77 - 123
Benzo[a]pyrene	8.00	7.79		ug/L		97	72 - 120
Benzo[b]fluoranthene	8.00	8.39		ug/L		105	73 - 123
Benzo[g,h,i]perylene	8.00	7.86		ug/L		98	48 - 150
Benzo[k]fluoranthene	8.00	7.47		ug/L		93	68 - 120
Chrysene	8.00	7.84		ug/L		98	75 - 120
Dibenz(a,h)anthracene	8.00	8.22		ug/L		103	54 - 147
Fluoranthene	8.00	8.54		ug/L		107	74 - 133
Fluorene	8.00	8.42		ug/L		105	64 - 120
Indeno[1,2,3-cd]pyrene	8.00	8.16		ug/L		102	55 - 150
Naphthalene	8.00	8.25		ug/L		103	40 - 138
Phenanthrene	8.00	7.61		ug/L		95	71 - 122
Pyrene	8.00	8.01		ug/L		100	65 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*108*		*37 - 120*
Nitrobenzene-d5 (Surr)	*92*		*26 - 120*
p-Terphenyl-d14	*109*		*64 - 127*

Lab Sample ID: 480-204098-7 MS
Matrix: Ground Water
Analysis Batch: 651438

Client Sample ID: PRMW-3S MS
Prep Type: Total/NA
Prep Batch: 651303

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		7.92	7.65		ug/L		97	35 - 125
Acenaphthylene	ND		7.92	7.82		ug/L		99	43 - 141
Anthracene	ND		7.92	8.62		ug/L		109	65 - 123
Benzo[a]anthracene	ND	F1	7.92	4.53	F1	ug/L		57	68 - 132
Benzo[a]pyrene	ND	F1	7.92	4.34	F1	ug/L		55	60 - 137
Benzo[b]fluoranthene	ND	F1 F2	7.92	4.23	F1	ug/L		53	68 - 129
Benzo[g,h,i]perylene	ND		7.92	4.68		ug/L		59	48 - 150
Benzo[k]fluoranthene	ND		7.92	4.50		ug/L		57	55 - 142
Chrysene	ND	F1	7.92	4.80	F1	ug/L		61	66 - 144
Dibenz(a,h)anthracene	ND		7.92	5.15		ug/L		65	54 - 138
Fluoranthene	ND		7.92	7.40		ug/L		93	63 - 146
Fluorene	ND		7.92	8.36		ug/L		106	54 - 137
Indeno[1,2,3-cd]pyrene	ND		7.92	4.82		ug/L		61	55 - 140
Naphthalene	ND		7.92	8.36		ug/L		106	25 - 138
Phenanthrene	ND		7.92	7.91		ug/L		100	60 - 143
Pyrene	ND		7.92	7.33		ug/L		93	65 - 139

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*108*		*37 - 120*
Nitrobenzene-d5 (Surr)	*90*		*26 - 120*
p-Terphenyl-d14	*81*		*64 - 127*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 480-204098-7 MSD
Matrix: Ground Water
Analysis Batch: 651438

Client Sample ID: PRMW-3S MSD
Prep Type: Total/NA
Prep Batch: 651303

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		8.16	7.87		ug/L		96	35 - 125	3	24
Acenaphthylene	ND		8.16	8.36		ug/L		102	43 - 141	7	18
Anthracene	ND		8.16	8.88		ug/L		109	65 - 123	3	15
Benzo[a]anthracene	ND	F1	8.16	5.15	F1	ug/L		63	68 - 132	13	15
Benzo[a]pyrene	ND	F1	8.16	4.89		ug/L		60	60 - 137	12	15
Benzo[b]fluoranthene	ND	F1 F2	8.16	5.28	F1 F2	ug/L		65	68 - 129	22	15
Benzo[g,h,i]perylene	ND		8.16	5.08		ug/L		62	48 - 150	8	15
Benzo[k]fluoranthene	ND		8.16	5.00		ug/L		61	55 - 142	11	22
Chrysene	ND	F1	8.16	5.57		ug/L		68	66 - 144	15	15
Dibenz(a,h)anthracene	ND		8.16	5.57		ug/L		68	54 - 138	8	15
Fluoranthene	ND		8.16	7.68		ug/L		94	63 - 146	4	15
Fluorene	ND		8.16	8.66		ug/L		106	54 - 137	3	15
Indeno[1,2,3-cd]pyrene	ND		8.16	5.26		ug/L		64	55 - 140	9	15
Naphthalene	ND		8.16	9.11		ug/L		112	25 - 138	9	29
Phenanthrene	ND		8.16	8.10		ug/L		99	60 - 143	2	15
Pyrene	ND		8.16	7.26		ug/L		89	65 - 139	1	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*108*		*37 - 120*
Nitrobenzene-d5 (Surr)	*97*		*26 - 120*
p-Terphenyl-d14	*83*		*64 - 127*

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

Lab Sample ID: MB 480-652336/47
Matrix: Water
Analysis Batch: 652336

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0200		0.010	0.0041	mg/L			12/05/22 16:00	1

Lab Sample ID: MB 480-652336/75
Matrix: Water
Analysis Batch: 652336

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0172		0.010	0.0041	mg/L			12/05/22 17:15	1

Lab Sample ID: HLCS 480-652336/22
Matrix: Water
Analysis Batch: 652336

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	0.393		mg/L		98	90 - 110

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

Lab Sample ID: LCS 480-652336/48
Matrix: Water
Analysis Batch: 652336

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: LCS 480-652336/76
Matrix: Water
Analysis Batch: 652336

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

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

Lab Sample ID: 480-204098-7 MS
Matrix: Ground Water
Analysis Batch: 652336

Client Sample ID: PRMW-3S MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	ND	F1	0.100	0.0843	F1	mg/L		84	90 - 110

Lab Sample ID: 480-204098-7 MSD
Matrix: Ground Water
Analysis Batch: 652336

Client Sample ID: PRMW-3S MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	ND	F1	0.100	0.0879	F1	mg/L		88	90 - 110	4	15

Lab Sample ID: MB 480-652955/48
Matrix: Water
Analysis Batch: 652955

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.00520	J	0.010	0.0041	mg/L			12/09/22 11:24	1

Lab Sample ID: HLCS 480-652955/22
Matrix: Water
Analysis Batch: 652955

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	0.394		mg/L		98	90 - 110

Lab Sample ID: LCS 480-652955/23
Matrix: Water
Analysis Batch: 652955

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

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

Lab Sample ID: LCS 480-652955/49
Matrix: Water
Analysis Batch: 652955

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	0.238		mg/L		95	90 - 110

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

Lab Sample ID: 480-204098-5 MS
Matrix: Ground Water
Analysis Batch: 652955

Client Sample ID: PRMW-2S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	0.084	H F1 B	0.100	0.170	F1	mg/L		86	90 - 110		

Lab Sample ID: MB 480-653143/21
Matrix: Water
Analysis Batch: 653143

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			12/12/22 09:30	1

Lab Sample ID: HLCS 480-653143/22
Matrix: Water
Analysis Batch: 653143

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	0.400		mg/L		100	90 - 110		

Lab Sample ID: LCS 480-653143/23
Matrix: Water
Analysis Batch: 653143

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	0.244		mg/L		98	90 - 110		

Lab Sample ID: 480-204098-6 MS
Matrix: Ground Water
Analysis Batch: 653143

Client Sample ID: PRMW-3D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	ND	H F1	0.100	0.0925		mg/L		93	90 - 110		

Lab Sample ID: 480-204098-13 MS
Matrix: Ground Water
Analysis Batch: 653143

Client Sample ID: TMW-1D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	ND	H	0.100	0.0963		mg/L		96	90 - 110		

Lab Sample ID: 480-204098-13 DU
Matrix: Ground Water
Analysis Batch: 653143

Client Sample ID: TMW-1D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cyanide, Total	ND	H		ND		mg/L				NC	15

QC Association Summary

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

GC/MS VOA

Analysis Batch: 651114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204098-1	EQUIPMENT BLANK	Total/NA	WQ	8260C	
480-204098-2	FIELD BLANK	Total/NA	WQ	8260C	
480-204098-3	PRMW-1S	Total/NA	Ground Water	8260C	
480-204098-4	PRMW-2D	Total/NA	Ground Water	8260C	
480-204098-5	PRMW-2S	Total/NA	Ground Water	8260C	
480-204098-6	PRMW-3D	Total/NA	Ground Water	8260C	
480-204098-7	PRMW-3S	Total/NA	Ground Water	8260C	
480-204098-8	PRMW-4S	Total/NA	Ground Water	8260C	
480-204098-9	PRMW-5D	Total/NA	Ground Water	8260C	
480-204098-10	PRMW-5S	Total/NA	Ground Water	8260C	
480-204098-11	PRMW-6D	Total/NA	Ground Water	8260C	
480-204098-12	PRMW-6S	Total/NA	Ground Water	8260C	
480-204098-13	TMW-1D	Total/NA	Ground Water	8260C	
480-204098-14	TMW-2DR	Total/NA	Ground Water	8260C	
480-204098-15	TRIP BLANK	Total/NA	WQ	8260C	
480-204098-16	DUP-20221121	Total/NA	Water	8260C	
MB 480-651114/7	Method Blank	Total/NA	Water	8260C	
LCS 480-651114/5	Lab Control Sample	Total/NA	Water	8260C	
480-204098-7 MS	PRMW-3S MS	Total/NA	Ground Water	8260C	
480-204098-7 MSD	PRMW-3S MSD	Total/NA	Ground Water	8260C	

GC/MS Semi VOA

Prep Batch: 651303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204098-1	EQUIPMENT BLANK	Total/NA	WQ	3510C	
480-204098-2	FIELD BLANK	Total/NA	WQ	3510C	
480-204098-3	PRMW-1S	Total/NA	Ground Water	3510C	
480-204098-4	PRMW-2D	Total/NA	Ground Water	3510C	
480-204098-5	PRMW-2S	Total/NA	Ground Water	3510C	
480-204098-6	PRMW-3D	Total/NA	Ground Water	3510C	
480-204098-7	PRMW-3S	Total/NA	Ground Water	3510C	
480-204098-8	PRMW-4S	Total/NA	Ground Water	3510C	
480-204098-9	PRMW-5D	Total/NA	Ground Water	3510C	
480-204098-10	PRMW-5S	Total/NA	Ground Water	3510C	
480-204098-11	PRMW-6D	Total/NA	Ground Water	3510C	
480-204098-12	PRMW-6S	Total/NA	Ground Water	3510C	
480-204098-13	TMW-1D	Total/NA	Ground Water	3510C	
480-204098-14	TMW-2DR	Total/NA	Ground Water	3510C	
480-204098-16	DUP-20221121	Total/NA	Water	3510C	
MB 480-651303/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-651303/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-204098-7 MS	PRMW-3S MS	Total/NA	Ground Water	3510C	
480-204098-7 MSD	PRMW-3S MSD	Total/NA	Ground Water	3510C	

Analysis Batch: 651438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204098-1	EQUIPMENT BLANK	Total/NA	WQ	8270D LL	651303
480-204098-2	FIELD BLANK	Total/NA	WQ	8270D LL	651303
480-204098-3	PRMW-1S	Total/NA	Ground Water	8270D LL	651303
480-204098-4	PRMW-2D	Total/NA	Ground Water	8270D LL	651303

GC/MS Semi VOA (Continued)

Analysis Batch: 651438 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204098-5	PRMW-2S	Total/NA	Ground Water	8270D LL	651303
480-204098-6	PRMW-3D	Total/NA	Ground Water	8270D LL	651303
480-204098-7	PRMW-3S	Total/NA	Ground Water	8270D LL	651303
480-204098-8	PRMW-4S	Total/NA	Ground Water	8270D LL	651303
480-204098-9	PRMW-5D	Total/NA	Ground Water	8270D LL	651303
480-204098-10	PRMW-5S	Total/NA	Ground Water	8270D LL	651303
480-204098-11	PRMW-6D	Total/NA	Ground Water	8270D LL	651303
480-204098-12	PRMW-6S	Total/NA	Ground Water	8270D LL	651303
480-204098-13	TMW-1D	Total/NA	Ground Water	8270D LL	651303
480-204098-14	TMW-2DR	Total/NA	Ground Water	8270D LL	651303
480-204098-16	DUP-20221121	Total/NA	Water	8270D LL	651303
MB 480-651303/1-A	Method Blank	Total/NA	Water	8270D LL	651303
LCS 480-651303/2-A	Lab Control Sample	Total/NA	Water	8270D LL	651303
480-204098-7 MS	PRMW-3S MS	Total/NA	Ground Water	8270D LL	651303
480-204098-7 MSD	PRMW-3S MSD	Total/NA	Ground Water	8270D LL	651303

General Chemistry

Analysis Batch: 652336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204098-1	EQUIPMENT BLANK	Total/NA	WQ	9012B	
480-204098-2	FIELD BLANK	Total/NA	WQ	9012B	
480-204098-3	PRMW-1S	Total/NA	Ground Water	9012B	
480-204098-4	PRMW-2D	Total/NA	Ground Water	9012B	
480-204098-5	PRMW-2S	Total/NA	Ground Water	9012B	
480-204098-6	PRMW-3D	Total/NA	Ground Water	9012B	
480-204098-7	PRMW-3S	Total/NA	Ground Water	9012B	
480-204098-8	PRMW-4S	Total/NA	Ground Water	9012B	
480-204098-9	PRMW-5D	Total/NA	Ground Water	9012B	
480-204098-10	PRMW-5S	Total/NA	Ground Water	9012B	
480-204098-11	PRMW-6D	Total/NA	Ground Water	9012B	
480-204098-12	PRMW-6S	Total/NA	Ground Water	9012B	
480-204098-13	TMW-1D	Total/NA	Ground Water	9012B	
480-204098-14	TMW-2DR	Total/NA	Ground Water	9012B	
480-204098-16	DUP-20221121	Total/NA	Water	9012B	
MB 480-652336/47	Method Blank	Total/NA	Water	9012B	
MB 480-652336/75	Method Blank	Total/NA	Water	9012B	
HLCS 480-652336/22	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-652336/48	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-652336/76	Lab Control Sample	Total/NA	Water	9012B	
480-204098-7 MS	PRMW-3S MS	Total/NA	Ground Water	9012B	
480-204098-7 MSD	PRMW-3S MSD	Total/NA	Ground Water	9012B	

Analysis Batch: 652955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204098-5	PRMW-2S	Total/NA	Ground Water	9012B	
480-204098-10	PRMW-5S	Total/NA	Ground Water	9012B	
MB 480-652955/48	Method Blank	Total/NA	Water	9012B	
HLCS 480-652955/22	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-652955/23	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-652955/49	Lab Control Sample	Total/NA	Water	9012B	

General Chemistry (Continued)

Analysis Batch: 652955 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204098-5 MS	PRMW-2S	Total/NA	Ground Water	9012B	

Analysis Batch: 653143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204098-6	PRMW-3D	Total/NA	Ground Water	9012B	
480-204098-8	PRMW-4S	Total/NA	Ground Water	9012B	
480-204098-9	PRMW-5D	Total/NA	Ground Water	9012B	
480-204098-11	PRMW-6D	Total/NA	Ground Water	9012B	
480-204098-12	PRMW-6S	Total/NA	Ground Water	9012B	
480-204098-13	TMW-1D	Total/NA	Ground Water	9012B	
480-204098-14	TMW-2DR	Total/NA	Ground Water	9012B	
480-204098-16	DUP-20221121	Total/NA	Water	9012B	
MB 480-653143/21	Method Blank	Total/NA	Water	9012B	
HLCS 480-653143/22	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-653143/23	Lab Control Sample	Total/NA	Water	9012B	
480-204098-6 MS	PRMW-3D	Total/NA	Ground Water	9012B	
480-204098-13 MS	TMW-1D	Total/NA	Ground Water	9012B	
480-204098-13 DU	TMW-1D	Total/NA	Ground Water	9012B	

Lab Chronicle

Client: New York State Electric & Gas
Job ID: 480-204098-1
Project/Site: NYSEG Former MGP Site - Penn Yan

Client Sample ID: EQUIPMENT BLANK
Lab Sample ID: 480-204098-1
Date Collected: 11/21/22 13:50
Matrix: WQ
Date Received: 11/22/22 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	651114	CR	EET BUF	11/23/22 12:44
Total/NA	Prep	3510C			651303	JMP	EET BUF	11/28/22 08:56
Total/NA	Analysis	8270D LL		1	651438	JMM	EET BUF	11/29/22 13:19
Total/NA	Analysis	9012B		1	652336	HJH	EET BUF	12/05/22 17:29

Client Sample ID: FIELD BLANK
Lab Sample ID: 480-204098-2
Date Collected: 11/21/22 13:30
Matrix: WQ
Date Received: 11/22/22 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	651114	CR	EET BUF	11/23/22 13:07
Total/NA	Prep	3510C			651303	JMP	EET BUF	11/28/22 08:56
Total/NA	Analysis	8270D LL		1	651438	JMM	EET BUF	11/29/22 13:46
Total/NA	Analysis	9012B		1	652336	HJH	EET BUF	12/05/22 17:31

Client Sample ID: PRMW-1S
Lab Sample ID: 480-204098-3
Date Collected: 11/22/22 11:00
Matrix: Ground Water
Date Received: 11/22/22 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	651114	CR	EET BUF	11/23/22 13:29
Total/NA	Prep	3510C			651303	JMP	EET BUF	11/28/22 08:56
Total/NA	Analysis	8270D LL		1	651438	JMM	EET BUF	11/29/22 14:14
Total/NA	Analysis	9012B		1	652336	HJH	EET BUF	12/05/22 17:34

Client Sample ID: PRMW-2D
Lab Sample ID: 480-204098-4
Date Collected: 11/22/22 09:50
Matrix: Ground Water
Date Received: 11/22/22 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	651114	CR	EET BUF	11/23/22 13:52
Total/NA	Prep	3510C			651303	JMP	EET BUF	11/28/22 08:56
Total/NA	Analysis	8270D LL		1	651438	JMM	EET BUF	11/29/22 14:41
Total/NA	Analysis	9012B		1	652336	HJH	EET BUF	12/05/22 17:37

Client Sample ID: PRMW-2S
Lab Sample ID: 480-204098-5
Date Collected: 11/22/22 11:30
Matrix: Ground Water
Date Received: 11/22/22 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	651114	CR	EET BUF	11/23/22 14:15
Total/NA	Prep	3510C			651303	JMP	EET BUF	11/28/22 08:56
Total/NA	Analysis	8270D LL		1	651438	JMM	EET BUF	11/29/22 15:09
Total/NA	Analysis	9012B		1	652336	HJH	EET BUF	12/05/22 17:39
Total/NA	Analysis	9012B		1	652955	CLT	EET BUF	12/09/22 10:22

Lab Chronicle

Client: New York State Electric & Gas
Job ID: 480-204098-1
Project/Site: NYSEG Former MGP Site - Penn Yan

Client Sample ID: PRMW-3D
Lab Sample ID: 480-204098-6
Date Collected: 11/21/22 14:55
Matrix: Ground Water
Date Received: 11/22/22 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	651114	CR	EET BUF	11/23/22 14:38
Total/NA	Prep	3510C			651303	JMP	EET BUF	11/28/22 08:56
Total/NA	Analysis	8270D LL		1	651438	JMM	EET BUF	11/29/22 15:36
Total/NA	Analysis	9012B		1	652336	HJH	EET BUF	12/05/22 17:52
Total/NA	Analysis	9012B		1	653143	CLT	EET BUF	12/12/22 09:40

Client Sample ID: PRMW-3S
Lab Sample ID: 480-204098-7
Date Collected: 11/21/22 12:30
Matrix: Ground Water
Date Received: 11/22/22 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	651114	CR	EET BUF	11/23/22 15:01
Total/NA	Prep	3510C			651303	JMP	EET BUF	11/28/22 08:56
Total/NA	Analysis	8270D LL		1	651438	JMM	EET BUF	11/29/22 12:51
Total/NA	Analysis	9012B		1	652336	HJH	EET BUF	12/05/22 17:21

Client Sample ID: PRMW-4S
Lab Sample ID: 480-204098-8
Date Collected: 11/21/22 12:30
Matrix: Ground Water
Date Received: 11/22/22 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	651114	CR	EET BUF	11/23/22 15:24
Total/NA	Prep	3510C			651303	JMP	EET BUF	11/28/22 08:56
Total/NA	Analysis	8270D LL		1	651438	JMM	EET BUF	11/29/22 16:04
Total/NA	Analysis	9012B		1	652336	HJH	EET BUF	12/05/22 17:57
Total/NA	Analysis	9012B		1	653143	CLT	EET BUF	12/12/22 09:46

Client Sample ID: PRMW-5D
Lab Sample ID: 480-204098-9
Date Collected: 11/21/22 14:15
Matrix: Ground Water
Date Received: 11/22/22 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	651114	CR	EET BUF	11/23/22 15:46
Total/NA	Prep	3510C			651303	JMP	EET BUF	11/28/22 08:56
Total/NA	Analysis	8270D LL		1	651438	JMM	EET BUF	11/29/22 16:32
Total/NA	Analysis	9012B		1	652336	HJH	EET BUF	12/05/22 18:00
Total/NA	Analysis	9012B		1	653143	CLT	EET BUF	12/12/22 09:48

Client Sample ID: PRMW-5S
Lab Sample ID: 480-204098-10
Date Collected: 11/21/22 16:00
Matrix: Ground Water
Date Received: 11/22/22 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	651114	CR	EET BUF	11/23/22 16:09

Lab Chronicle

Client: New York State Electric & Gas
Job ID: 480-204098-1
Project/Site: NYSEG Former MGP Site - Penn Yan

Client Sample ID: PRMW-5S
Lab Sample ID: 480-204098-10
Date Collected: 11/21/22 16:00
Matrix: Ground Water
Date Received: 11/22/22 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			651303	JMP	EET BUF	11/28/22 08:56
Total/NA	Analysis	8270D LL		5	651438	JMM	EET BUF	11/29/22 16:59
Total/NA	Analysis	9012B		1	652336	HJH	EET BUF	12/05/22 18:03
Total/NA	Analysis	9012B		1	652955	CLT	EET BUF	12/09/22 10:27

Client Sample ID: PRMW-6D
Lab Sample ID: 480-204098-11
Date Collected: 11/21/22 10:25
Matrix: Ground Water
Date Received: 11/22/22 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	651114	CR	EET BUF	11/23/22 16:32
Total/NA	Prep	3510C			651303	JMP	EET BUF	11/28/22 08:56
Total/NA	Analysis	8270D LL		1	651438	JMM	EET BUF	11/29/22 17:27
Total/NA	Analysis	9012B		1	652336	HJH	EET BUF	12/05/22 18:05
Total/NA	Analysis	9012B		1	653143	CLT	EET BUF	12/12/22 09:51

Client Sample ID: PRMW-6S
Lab Sample ID: 480-204098-12
Date Collected: 11/21/22 11:45
Matrix: Ground Water
Date Received: 11/22/22 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	651114	CR	EET BUF	11/23/22 16:56
Total/NA	Prep	3510C			651303	JMP	EET BUF	11/28/22 08:56
Total/NA	Analysis	8270D LL		1	651438	JMM	EET BUF	11/29/22 17:54
Total/NA	Analysis	9012B		1	652336	HJH	EET BUF	12/05/22 18:08
Total/NA	Analysis	9012B		1	653143	CLT	EET BUF	12/12/22 09:54

Client Sample ID: TMW-1D
Lab Sample ID: 480-204098-13
Date Collected: 11/21/22 16:00
Matrix: Ground Water
Date Received: 11/22/22 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	651114	CR	EET BUF	11/23/22 17:18
Total/NA	Prep	3510C			651303	JMP	EET BUF	11/28/22 08:56
Total/NA	Analysis	8270D LL		1	651438	JMM	EET BUF	11/29/22 18:21
Total/NA	Analysis	9012B		1	652336	HJH	EET BUF	12/05/22 18:11
Total/NA	Analysis	9012B		1	653143	CLT	EET BUF	12/12/22 10:07

Client Sample ID: TMW-2DR
Lab Sample ID: 480-204098-14
Date Collected: 11/21/22 10:45
Matrix: Ground Water
Date Received: 11/22/22 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	651114	CR	EET BUF	11/23/22 17:41

Lab Chronicle

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: TMW-2DR

Date Collected: 11/21/22 10:45
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-14

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			651303	JMP	EET BUF	11/28/22 08:56
Total/NA	Analysis	8270D LL		1	651438	JMM	EET BUF	11/29/22 18:49
Total/NA	Analysis	9012B		1	652336	HJH	EET BUF	12/05/22 18:13
Total/NA	Analysis	9012B		1	653143	CLT	EET BUF	12/12/22 10:15

Client Sample ID: TRIP BLANK

Date Collected: 11/21/22 00:00
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-15

Matrix: WQ

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	651114	CR	EET BUF	11/23/22 18:04

Client Sample ID: DUP-20221121

Date Collected: 11/21/22 00:00
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	651114	CR	EET BUF	11/23/22 18:27
Total/NA	Prep	3510C			651303	JMP	EET BUF	11/28/22 08:56
Total/NA	Analysis	8270D LL		1	651438	JMM	EET BUF	11/29/22 19:17
Total/NA	Analysis	9012B		1	652336	HJH	EET BUF	12/05/22 18:16
Total/NA	Analysis	9012B		1	653143	CLT	EET BUF	12/12/22 10:18

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State Electric & Gas
Job ID: 480-204098-1
Project/Site: NYSEG Former MGP Site - Penn Yan

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-23

Method Summary

Client: New York State Electric & Gas
Job ID: 480-204098-1
Project/Site: NYSEG Former MGP Site - Penn Yan

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: New York State Electric & Gas
Job ID: 480-204098-1
Project/Site: NYSEG Former MGP Site - Penn Yan

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-204098-1	EQUIPMENT BLANK	WQ	11/21/22 13:50	11/22/22 14:30
480-204098-2	FIELD BLANK	WQ	11/21/22 13:30	11/22/22 14:30
480-204098-3	PRMW-1S	Ground Water	11/22/22 11:00	11/22/22 14:30
480-204098-4	PRMW-2D	Ground Water	11/22/22 09:50	11/22/22 14:30
480-204098-5	PRMW-2S	Ground Water	11/22/22 11:30	11/22/22 14:30
480-204098-6	PRMW-3D	Ground Water	11/21/22 14:55	11/22/22 14:30
480-204098-7	PRMW-3S	Ground Water	11/21/22 12:30	11/22/22 14:30
480-204098-8	PRMW-4S	Ground Water	11/21/22 12:30	11/22/22 14:30
480-204098-9	PRMW-5D	Ground Water	11/21/22 14:15	11/22/22 14:30
480-204098-10	PRMW-5S	Ground Water	11/21/22 16:00	11/22/22 14:30
480-204098-11	PRMW-6D	Ground Water	11/21/22 10:25	11/22/22 14:30
480-204098-12	PRMW-6S	Ground Water	11/21/22 11:45	11/22/22 14:30
480-204098-13	TMW-1D	Ground Water	11/21/22 16:00	11/22/22 14:30
480-204098-14	TMW-2DR	Ground Water	11/21/22 10:45	11/22/22 14:30
480-204098-15	TRIP BLANK	WQ	11/21/22 00:00	11/22/22 14:30
480-204098-16	DUP-20221121	Water	11/21/22 00:00	11/22/22 14:30

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: Carson Tenhagen 3 Kaitlyn Fleming	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-179088-36782.1
Client Contact: Mr. Tracy Blazicek	Phone: 69-727-1921	E-Mail: John.Schove@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: New York State Electric & Gas	PWSID:			Job #:
Address: PO BOX 5224	Due Date Requested:			
City: Binghamton	TAT Requested (days):			
State, Zip: NY, 13902	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4505830753			
Email: tlblazicek@nyseg.com	WO #:			
Project Name: NYSEG Former MGP Site - Penn Yan	Project #: 48024595			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
- Acetone
- MCAA
/ - pH 4-5
' - Trizma
Z - other (specify)

480-204098 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX	8270D_LL - Low Level PAH Semivolatiles	9012B - Cyanide, Total	Total Number	Special Instructions/Note:
			Preservation Code:				A	N	B		
PRMW-1S	11/22/22	1100	G	Water	N	N	X	X	X	6	
PRMW-2S	11/22/22	1130	G	Water	N	N	X	X	X	6	
PRMW-2D	11/22/22	0950	G	Water	N	N	X	X	X	6	
PRMW-3S	11/21/22	1230	G	Water	N	Y	X	X	X	18	* ms/msd
PRMW-3D	11/21/22	1455	G	Water	N	N	X	X	X	6	
PRMW-4S	11/22/22	1250	G	Water	N	N	X	X	X	6	
PRMW-5S	11/21/22	1600	G	Water	N	N	X	X	X	6	
PRMW-5D	11/21/22	1415	G	Water	N	N	X	X	X	6	
PRMW-6S	11/21/22	1145	G	Water	N	N	X	X	X	6	
PRMW-6D	11/21/22	1025	G	Water	N	N	X	X	X	6	
TMW-1D	11/21/22	1600	G	Water	N	N	X	X	X	6	

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Kaitlyn Fleming	11/22/22 1430	Arcadis			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11/22/22 1930	Company TAL

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

Cooler Temperature(s) °C and Other Remarks: 3.6 4.2 2.6 4.3 3.2 #1 of 1

Ver: 06/08/2021

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: Carson Fenhagen & Kaitlyn Fleming	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-179088-36782.2
Client Contact: Mr. Tracy Blazicek	Phone: 619-727-1921	E-Mail: John.Schove@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: New York State Electric & Gas	PWSID:			Job #:
Address: PO BOX 5224	Due Date Requested:			
City: Binghamton	TAT Requested (days):			
State, Zip: NY, 13902	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4505830753			
Email: tlblazicek@nyseg.com	WO #:			
Project Name: NYSEG Former MGP Site - Penn Yan	Project #: 48024595			
Site: New York	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX	8270D_LL - Low Level PAH Semivolatiles	9012B - Cyanide, Total	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	B		
TMW-2DR	11/21/22	1045	G	Water	N	N	X	X	X	6	
Dup - 20221121	11/21/22	—	G	Water	N	N	X	X	X	6	
				Water							
				Water							
TRIP BLANK	—	—	—	Water	N	N	X			2	
TRIP BLANK	—	—	—	Water	N	N	X			2	
FIELD BLANK	11/21/22	1330	G	Water	N	N	X	X	X	6	
EQUIPMENT BLANK	11/21/22	1350	G	Water	N	N	X	X	X	6	

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Kaitlyn Fleming	11/22/22 1430	Arcadis			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11/22/22 1430	Company TMB

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.6 4.4 2.6 4.3 7.2 #1

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: New York State Electric & Gas

Job Number: 480-204098-1

Login Number: 204098
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins Buffalo

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

Attachment 3

Data Usability Summary Report

NYSEG Penn Yan
Former MGP Site

Data Usability Summary Report

Penn Yan, New York

Volatile Organic Compound (VOC), Semi-volatile Organic Compound (SVOC), and Miscellaneous Analyses

SDG # 480-204098-1

Analyses Performed By:
Eurofins Buffalo
Amherst, New York

Report # 48136R
Review Level: Tier III
Project: 30126623.2

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Group (SDG) # 480-204098-1 for samples collected in association with the NYSEG Penn Yan Former MGP Site. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis		
					VOC	SVOC	MISC
EQUIPMENT BLANK	480-204098-1	Water	11/21/22		X	X	X
FIELD BLANK	480-204098-2	Water	11/21/22		X	X	X
PRMW-1S	480-204098-3	Water	11/22/22		X	X	X
PRMW-2D	480-204098-4	Water	11/22/22		X	X	X
PRMW-2S	480-204098-5	Water	11/22/22		X	X	X
PRMW-3D	480-204098-6	Water	11/21/22		X	X	X
PRMW-3S	480-204098-7	Water	11/21/22		X	X	X
PRMW-4S	480-204098-8	Water	11/22/22		X	X	X
PRMW-5D	480-204098-9	Water	11/21/22		X	X	X
PRMW-5S	480-204098-10	Water	11/21/22		X	X	X
PRMW-6D	480-204098-11	Water	11/21/22		X	X	X
PRMW-6S	480-204098-12	Water	11/21/22		X	X	X
TMW-1D	480-204098-13	Water	11/21/22		X	X	X
TMW-2DR	480-204098-14	Water	11/21/22		X	X	X
TRIP BLANK	480-204098-15	Water	11/21/22		X		
DUP-20221121	480-204098-16	Water	11/21/22	PRMW-3S	X	X	X

Notes:

VOC = Volatile Organic Compounds

SVOC = Semi-volatile Organic Compounds

MISC = Miscellaneous analyses includes Total cyanide

Analytical Data Package Documentation

The table below evaluates the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X	X		
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed chain-of-custody form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data package completeness and compliance		X	X		

Note:
QA = quality assurance

6. The samples PRMW-4S (480-204098-8), collection date and time did not match between chain-of-custody (COC) and sample result pages. The sample result pages list as 11/21/22 and 12:30 while the COC list as 11/22/22 and 12:50. The collection date per COC was considered and corrected in this review report.

12.The trip blank is mentioned twice on Chain-of-Custody (COC), however the laboratory has logged and analyzed only one trip blank.

Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260C and 8270D. Data were reviewed in accordance with USEPA National Functional Guidelines for Organic Superfund Methods Data Review, EPA 540-R-20-005, November 2020 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, October 1999), as appropriate and applicable Region II SOPs. USEPA NFGs and Region II SOPs were followed for qualification purposes.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
  - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
  - E The compound was quantitated above the calibration range.
  - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
  - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
  - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
  - UB Compound is considered non-detect at the listed value due to associated blank contamination.
  - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
  - R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second

fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Volatile Organic Compound (VOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8260C	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (non-preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u. with hydrochloric acid.

Note:
s.u. = standard units

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis performed on sample PRMW-3S exhibited acceptable recoveries and RPDs between the MS/MSD recoveries.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Results for duplicate samples are summarized in the following table.

Sample ID / Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
PRMW-3S / DUP-20221121	All target compounds	U	U	AC

Note:
AC = Acceptable

The results between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for VOCs

VOCs: SW-846 8260C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks / Field blanks		X		X	
C. Trip blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R	X				X
LCS/LCSD Precision (RPD)	X				X
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Initial calibration %Ds		X		X	

VOCs: SW-846 8260C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

Semi-volatile Organic Compound (SVOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8270D	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on samples where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis performed on sample PRMW-3S exhibiting recoveries outside of the control limits are presented in the following table.

Sample ID	Compounds	MS Recovery	MSD Recovery
PRMW-3S	Benzo[a]anthracene	< LL but > 10%	< LL but > 10%
	Benzo[a]pyrene	< LL but > 10%	AC
	Benzo[b]fluoranthene	< LL but > 10%	< LL but > 10%
	Chrysene	< LL but > 10%	AC

Note:
LL = Lower control limit

AC = Acceptable

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action

Sample locations associated with MS/MSD recoveries exhibiting an RPD greater than of the control limit presented in the following table.

Sample Locations	Compound
PRMW-3S	Benzo[b]fluoranthene

The criteria used to evaluate the RPD between the MS/MSD recoveries are presented in the following table. In the case of an RPD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Results for duplicate samples are summarized in the following table.

Sample ID / Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
PRMW-3S / DUP-20221121	All target compounds	U	U	AC

Note:
AC = Acceptable

The results between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for SVOCs

SVOCs: SW-846 8270D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks /Field blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R	X				X
LCS/LCSD Precision (RPD)	X				X
Matrix Spike (MS) %R		X	X		
Matrix Spike Duplicate (MSD) %R		X	X		
MS/MSD Precision (RPD)		X	X		
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Initial calibration %Ds	X				X
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	

SVOCs: SW-846 8270D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

Inorganic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency USEPA Method 9012B. Data were reviewed in accordance with USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, EPA 542-R-20-006, November 2020 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540-R-04-004, October 2004), as appropriate.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.
  - J The reported value was obtained from a reading less than the reporting limit (RL), but greater than or equal to the method detection limit (MDL).
- Quantitation (Q) Qualifiers
  - E The reported value is estimated due to the presence of interference.
  - N Spiked sample recovery is not within control limits.
  - * Duplicate analysis is not within control limits.
- Validation Qualifiers
  - J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The analyte was not detected above the reporting limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.
  - UB Analyte considered non-detect at the listed value due to associated blank contamination.
  - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

General Chemistry Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
Total Cyanide by SW-846 9012B	Water	14 days from collection to analysis	Cool to <6 °C; preserved to a pH of greater than 12 with NaOH.

All samples were analyzed within the specified holding times.

Note:

The field samples PRMW-2S (480-204098-5), and PRMW-5S (480-204098-10) were reanalyzed after the 14-day holding time had expired due to QC failures in the initial analysis associated with the batch-652336. The results from the initial analysis were used for reporting purposes with qualification applied for blank contamination. Refer to Section 2 for details.

The field samples PRMW-3D (480-204098-6), PRMW-4S (480-204098-8), PRMW-5D (480-204098-9), PRMW-6D (480-204098-11), PRMW-6S (480-204098-12), TMW-1D (480-204098-13), TMW-2DR (480-204098-14), and DUP-20221121 (480-204098-16) were reanalyzed after the 14-day holding time had expired due to failing in closing continuing calibration verification (CCV) in initial analysis associated with the batch- 652336. However, the closing CCV is not evaluated, only initial CCV is reviewed and used for reporting purposes; hence, qualification is not applied.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

All compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with QA blank contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B) of data. Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample Locations	Analyte	Sample Result	Qualification
PRMW-2S	Cyanide, Total (MB)	Detected sample results >RL and <BAL	"UB" at detected sample concentration
PRMW-5S	Cyanide, Total (MB, CCB, ICB)		

Notes:

RL = Reporting limit

MB = Method blank

ICB = Initial calibration blank

CCB = Continuing calibration blank

3. Calibration

Satisfactory instrument calibration is established to provide that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument's continuing performance is satisfactory.

3.1 Initial Calibration and Continuing Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 for all non-ICP analytes and all initial calibration verification standard recoveries were within control limits.

All initial and continuing calibration verification standard recoveries were within the control limit.

4. Matrix Spike (MS)/Matrix Spike Duplicate (MSD)/Laboratory Duplicate Analysis

MS/MSD and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

4.1 MS/MSD Analysis

All analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS recovery control limits do not apply for MS/MSD performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

The MS/MSD analysis performed on sample PRMW-3S exhibited recoveries and RPD within the control limits.

The MS analysis performed on samples PRMW-2S, PRMW-3D and TMW-1D exhibited recoveries within the control limits.

Note: The MS analysis for samples PRMW-2S, PRMW-3D and TMW-1D was performed beyond the sample holding time.

4.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water matrices and 35% for soil matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of one time the RL is applied for water matrices and two times the RL for soil matrices.

The laboratory duplicate analysis was performed on sample TMW-1D exhibited acceptable RPD.

Note: The laboratory duplicate analysis was performed on sample TMW-1D beyond the holding time.

5. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID / Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
PRMW-3S / DUP-20221121	Total Cyanide	U	U	AC

Note:
AC = Acceptable

The result between the parent sample and field duplicate were acceptable.

6. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS analysis must exhibit a percent recovery between the control limits of 80% and 120%.

The LCS analysis exhibited recoveries within the control limits.

7. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for General Chemistry

General Chemistry: SW-846 9012B	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Miscellaneous Instrumentation					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks		X	X		
B. Method Blanks		X	X		
C. Equipment/Field Blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Tier III Validation					
Initial Calibration Verification		X		X	
Continuing Calibration Verification		X		X	
Transcription/calculations acceptable		X		X	
Raw Data		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%R Percent recovery
RPD Relative percent difference

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]			Noncompliance
					VOC	SVOC	MISC	
480-204098-1	11/21/22	SW846	EQUIPMENT BLANK	Water	Yes	Yes	Yes	--
	11/21/22	SW846	FIELD BLANK	Water	Yes	Yes	Yes	--
	11/22/22	SW846	PRMW-1S	Water	Yes	Yes	Yes	--
	11/22/22	SW846	PRMW-2D	Water	Yes	Yes	Yes	--
	11/22/22	SW846	PRMW-2S	Water	Yes	Yes	No	MISC – Blank contamination
	11/21/22	SW846	PRMW-3D	Water	Yes	Yes	Yes	--
	11/21/22	SW846	PRMW-3S	Water	Yes	No	Yes	SVOC- MS/MSD %R
	11/22/22	SW846	PRMW-4S	Water	Yes	Yes	Yes	--
	11/21/22	SW846	PRMW-5D	Water	Yes	Yes	Yes	--
	11/21/22	SW846	PRMW-5S	Water	Yes	Yes	No	MISC – Blank contamination
	11/21/22	SW846	PRMW-6D	Water	Yes	Yes	Yes	--
	11/21/22	SW846	PRMW-6S	Water	Yes	Yes	Yes	--
	11/21/22	SW846	TMW-1D	Water	Yes	Yes	Yes	--
	11/21/22	SW846	TMW-2DR	Water	Yes	Yes	Yes	--
	11/21/22	SW846	TRIP BLANK	Water	Yes	-	-	--
	11/21/22	SW846	DUP-20221121	Water	Yes	Yes	Yes	--

Note:

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Vinayak Hegde

SIGNATURE: 

DATE: January 3, 2023

PEER REVIEW: Joseph C. Houser

DATE: January 3, 2023

Chain of Custody Corrected Sample Analysis Data Sheets

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: Carson Tenhagen 3 Kaitlyn Fleming	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-179088-36782.1
Client Contact: Mr. Tracy Blazicek	Phone: 69-727-1921	E-Mail: John.Schove@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: New York State Electric & Gas	PWSID:			Job #:
Address: PO BOX 5224	Due Date Requested:			
City: Binghamton	TAT Requested (days):			
State, Zip: NY, 13902	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4505830753			
Email: tlblazicek@nyseg.com	WO #:			
Project Name: NYSEG Former MGP Site - Penn Yan	Project #: 48024595			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
- Acetone
- MCAA
/ - pH 4-5
' - Trizma
Z - other (specify)

480-204098 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX	8270D_LL - Low Level PAH Semivolatiles	9012B - Cyanide, Total	Total Number	Special Instructions/Note:
			Preservation Code:				A	N	B		
PRMW-1S	11/22/22	1100	G	Water	N	N	X	X	X	6	
PRMW-2S	11/22/22	1130	G	Water	N	N	X	X	X	6	
PRMW-2D	11/22/22	0950	G	Water	N	N	X	X	X	6	
PRMW-3S	11/21/22	1230	G	Water	N	Y	X	X	X	18	* ms/msd
PRMW-3D	11/21/22	1455	G	Water	N	N	X	X	X	6	
PRMW-4S	11/22/22	1250	G	Water	N	N	X	X	X	6	
PRMW-5S	11/21/22	1600	G	Water	N	N	X	X	X	6	
PRMW-5D	11/21/22	1415	G	Water	N	N	X	X	X	6	
PRMW-6S	11/21/22	1145	G	Water	N	N	X	X	X	6	
PRMW-6D	11/21/22	1025	G	Water	N	N	X	X	X	6	
TMW-1D	11/21/22	1600	G	Water	N	N	X	X	X	6	

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Kaitlyn Fleming	11/22/22 1430	Arcadis			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11/22/22 1930	Company TAL

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

Cooler Temperature(s) °C and Other Remarks: 3.6 4.2 2.6 4.3 3.2 #1 of

Ver: 06/08/2021

12/28/2022 (Rev. 1)

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: Carson Fenhagen & Kaitlyn Fleming	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-179088-36782.2
Client Contact: Mr. Tracy Blazicek	Phone: 619-727-1921	E-Mail: John.Schove@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: New York State Electric & Gas	PWSID:			Job #:
Address: PO BOX 5224	Due Date Requested:			
City: Binghamton	TAT Requested (days):			
State, Zip: NY, 13902	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4505830753			
Email: tlblazicek@nyseg.com	WO #:			
Project Name: NYSEG Former MGP Site - Penn Yan	Project #: 48024595			
Site: New York	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX	8270D_LL - Low Level PAH Semivolatiles	9012B - Cyanide, Total	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	B		
TMW-2DR	11/21/22	1045	G	Water	N	N	X	X	X	6	
Dup - 20221121	11/21/22	—	G	Water	N	N	X	X	X	6	
				Water							
				Water							
TRIP BLANK	—	—	—	Water	N	N	X			2	
TRIP BLANK	—	—	—	Water	N	N	X			2	
FIELD BLANK	11/21/22	1330	G	Water	N	N	X	X	X	6	
EQUIPMENT BLANK	11/21/22	1350	G	Water	N	N	X	X	X	6	

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Kaitlyn Fleming	11/22/22 1430	Arcadis			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11/22/22 1430	Company TMB

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.6 4.4 2.6 4.3 7.2 #1

Ver: 06/08/2021

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 480-204098-1

Date Collected: 11/21/22 13:50
Matrix: WQ
Date Received: 11/22/22 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			11/23/22 12:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 12:44	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 12:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*11/23/22 12:44*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*11/23/22 12:44*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*11/23/22 12:44*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/23/22 12:44*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.48	0.035	ug/L		11/28/22 08:56	11/29/22 13:19	1
Acenaphthylene	ND		0.29	0.054	ug/L		11/28/22 08:56	11/29/22 13:19	1
Anthracene	ND		0.48	0.033	ug/L		11/28/22 08:56	11/29/22 13:19	1
Benzo[a]anthracene	ND		0.29	0.033	ug/L		11/28/22 08:56	11/29/22 13:19	1
Benzo[a]pyrene	ND		0.17	0.13	ug/L		11/28/22 08:56	11/29/22 13:19	1
Benzo[b]fluoranthene	ND		0.29	0.061	ug/L		11/28/22 08:56	11/29/22 13:19	1
Benzo[g,h,i]perylene	ND		0.48	0.056	ug/L		11/28/22 08:56	11/29/22 13:19	1
Benzo[k]fluoranthene	ND		0.29	0.067	ug/L		11/28/22 08:56	11/29/22 13:19	1
Chrysene	ND		0.48	0.071	ug/L		11/28/22 08:56	11/29/22 13:19	1
Dibenz(a,h)anthracene	ND		0.48	0.067	ug/L		11/28/22 08:56	11/29/22 13:19	1
Fluoranthene	ND		0.48	0.077	ug/L		11/28/22 08:56	11/29/22 13:19	1
Fluorene	ND		0.48	0.056	ug/L		11/28/22 08:56	11/29/22 13:19	1
Indeno[1,2,3-cd]pyrene	ND		0.48	0.11	ug/L		11/28/22 08:56	11/29/22 13:19	1
Naphthalene	ND		0.96	0.062	ug/L		11/28/22 08:56	11/29/22 13:19	1
Phenanthrene	ND		0.19	0.060	ug/L		11/28/22 08:56	11/29/22 13:19	1
Pyrene	ND		0.48	0.073	ug/L		11/28/22 08:56	11/29/22 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*108*		*37 - 120*	*11/28/22 08:56*	*11/29/22 13:19*	*1*
Nitrobenzene-d5 (Surr)	*85*		*26 - 120*	*11/28/22 08:56*	*11/29/22 13:19*	*1*
p-Terphenyl-d14	*120*		*64 - 127*	*11/28/22 08:56*	*11/29/22 13:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			12/05/22 17:29	1

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: FIELD BLANK

Date Collected: 11/21/22 13:30
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-2

Matrix: WQ

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			11/23/22 13:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 13:07	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 13:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*11/23/22 13:07*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/23/22 13:07*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*11/23/22 13:07*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/23/22 13:07*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.49	0.035	ug/L		11/28/22 08:56	11/29/22 13:46	1
Acenaphthylene	ND		0.29	0.054	ug/L		11/28/22 08:56	11/29/22 13:46	1
Anthracene	ND		0.49	0.033	ug/L		11/28/22 08:56	11/29/22 13:46	1
Benzo[a]anthracene	ND		0.29	0.033	ug/L		11/28/22 08:56	11/29/22 13:46	1
Benzo[a]pyrene	ND		0.17	0.13	ug/L		11/28/22 08:56	11/29/22 13:46	1
Benzo[b]fluoranthene	ND		0.29	0.061	ug/L		11/28/22 08:56	11/29/22 13:46	1
Benzo[g,h,i]perylene	ND		0.49	0.056	ug/L		11/28/22 08:56	11/29/22 13:46	1
Benzo[k]fluoranthene	ND		0.29	0.068	ug/L		11/28/22 08:56	11/29/22 13:46	1
Chrysene	ND		0.49	0.072	ug/L		11/28/22 08:56	11/29/22 13:46	1
Dibenz(a,h)anthracene	ND		0.49	0.068	ug/L		11/28/22 08:56	11/29/22 13:46	1
Fluoranthene	ND		0.49	0.078	ug/L		11/28/22 08:56	11/29/22 13:46	1
Fluorene	ND		0.49	0.056	ug/L		11/28/22 08:56	11/29/22 13:46	1
Indeno[1,2,3-cd]pyrene	ND		0.49	0.11	ug/L		11/28/22 08:56	11/29/22 13:46	1
Naphthalene	ND		0.97	0.062	ug/L		11/28/22 08:56	11/29/22 13:46	1
Phenanthrene	ND		0.19	0.060	ug/L		11/28/22 08:56	11/29/22 13:46	1
Pyrene	ND		0.49	0.074	ug/L		11/28/22 08:56	11/29/22 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*112*		*37 - 120*	*11/28/22 08:56*	*11/29/22 13:46*	*1*
Nitrobenzene-d5 (Surr)	*85*		*26 - 120*	*11/28/22 08:56*	*11/29/22 13:46*	*1*
p-Terphenyl-d14	*126*		*64 - 127*	*11/28/22 08:56*	*11/29/22 13:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			12/05/22 17:31	1

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: PRMW-1S

Date Collected: 11/22/22 11:00
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-3

Matrix: Ground 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			11/23/22 13:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 13:29	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 13:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*11/23/22 13:29*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*11/23/22 13:29*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*11/23/22 13:29*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/23/22 13:29*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.48	0.034	ug/L		11/28/22 08:56	11/29/22 14:14	1
Acenaphthylene	ND		0.29	0.053	ug/L		11/28/22 08:56	11/29/22 14:14	1
Anthracene	ND		0.48	0.032	ug/L		11/28/22 08:56	11/29/22 14:14	1
Benzo[a]anthracene	ND		0.29	0.032	ug/L		11/28/22 08:56	11/29/22 14:14	1
Benzo[a]pyrene	ND		0.17	0.12	ug/L		11/28/22 08:56	11/29/22 14:14	1
Benzo[b]fluoranthene	ND		0.29	0.060	ug/L		11/28/22 08:56	11/29/22 14:14	1
Benzo[g,h,i]perylene	ND		0.48	0.055	ug/L		11/28/22 08:56	11/29/22 14:14	1
Benzo[k]fluoranthene	ND		0.29	0.067	ug/L		11/28/22 08:56	11/29/22 14:14	1
Chrysene	ND		0.48	0.070	ug/L		11/28/22 08:56	11/29/22 14:14	1
Dibenz(a,h)anthracene	ND		0.48	0.067	ug/L		11/28/22 08:56	11/29/22 14:14	1
Fluoranthene	ND		0.48	0.076	ug/L		11/28/22 08:56	11/29/22 14:14	1
Fluorene	ND		0.48	0.055	ug/L		11/28/22 08:56	11/29/22 14:14	1
Indeno[1,2,3-cd]pyrene	ND		0.48	0.10	ug/L		11/28/22 08:56	11/29/22 14:14	1
Naphthalene	ND		0.95	0.061	ug/L		11/28/22 08:56	11/29/22 14:14	1
Phenanthrene	ND		0.19	0.059	ug/L		11/28/22 08:56	11/29/22 14:14	1
Pyrene	ND		0.48	0.072	ug/L		11/28/22 08:56	11/29/22 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*101*		*37 - 120*	*11/28/22 08:56*	*11/29/22 14:14*	*1*
Nitrobenzene-d5 (Surr)	*79*		*26 - 120*	*11/28/22 08:56*	*11/29/22 14:14*	*1*
p-Terphenyl-d14	*92*		*64 - 127*	*11/28/22 08:56*	*11/29/22 14:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			12/05/22 17:34	1

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: PRMW-2D

Date Collected: 11/22/22 09:50
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-4

Matrix: Ground 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			11/23/22 13:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 13:52	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 13:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*11/23/22 13:52*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*11/23/22 13:52*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*11/23/22 13:52*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/23/22 13:52*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.52	0.038	ug/L		11/28/22 08:56	11/29/22 14:41	1
Acenaphthylene	ND		0.31	0.058	ug/L		11/28/22 08:56	11/29/22 14:41	1
Anthracene	ND		0.52	0.035	ug/L		11/28/22 08:56	11/29/22 14:41	1
Benzo[a]anthracene	ND		0.31	0.035	ug/L		11/28/22 08:56	11/29/22 14:41	1
Benzo[a]pyrene	ND		0.19	0.14	ug/L		11/28/22 08:56	11/29/22 14:41	1
Benzo[b]fluoranthene	ND		0.31	0.066	ug/L		11/28/22 08:56	11/29/22 14:41	1
Benzo[g,h,i]perylene	ND		0.52	0.060	ug/L		11/28/22 08:56	11/29/22 14:41	1
Benzo[k]fluoranthene	ND		0.31	0.073	ug/L		11/28/22 08:56	11/29/22 14:41	1
Chrysene	ND		0.52	0.077	ug/L		11/28/22 08:56	11/29/22 14:41	1
Dibenz(a,h)anthracene	ND		0.52	0.073	ug/L		11/28/22 08:56	11/29/22 14:41	1
Fluoranthene	ND		0.52	0.083	ug/L		11/28/22 08:56	11/29/22 14:41	1
Fluorene	ND		0.52	0.060	ug/L		11/28/22 08:56	11/29/22 14:41	1
Indeno[1,2,3-cd]pyrene	ND		0.52	0.11	ug/L		11/28/22 08:56	11/29/22 14:41	1
Naphthalene	**0.098**	**J**	1.0	0.067	ug/L		11/28/22 08:56	11/29/22 14:41	1
Phenanthrene	ND		0.21	0.065	ug/L		11/28/22 08:56	11/29/22 14:41	1
Pyrene	ND		0.52	0.079	ug/L		11/28/22 08:56	11/29/22 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*104*		*37 - 120*	*11/28/22 08:56*	*11/29/22 14:41*	*1*
Nitrobenzene-d5 (Surr)	*77*		*26 - 120*	*11/28/22 08:56*	*11/29/22 14:41*	*1*
p-Terphenyl-d14	*107*		*64 - 127*	*11/28/22 08:56*	*11/29/22 14:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			12/05/22 17:37	1

Client Sample ID: PRMW-2S
Lab Sample ID: 480-204098-5

Date Collected: 11/22/22 11:30
Matrix: Ground Water

Date Received: 11/22/22 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			11/23/22 14:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 14:15	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 14:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*11/23/22 14:15*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*11/23/22 14:15*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*11/23/22 14:15*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*11/23/22 14:15*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.49	0.035	ug/L		11/28/22 08:56	11/29/22 15:09	1
Acenaphthylene	ND		0.29	0.055	ug/L		11/28/22 08:56	11/29/22 15:09	1
Anthracene	ND		0.49	0.033	ug/L		11/28/22 08:56	11/29/22 15:09	1
Benzo[a]anthracene	ND		0.29	0.033	ug/L		11/28/22 08:56	11/29/22 15:09	1
Benzo[a]pyrene	ND		0.18	0.13	ug/L		11/28/22 08:56	11/29/22 15:09	1
Benzo[b]fluoranthene	ND		0.29	0.062	ug/L		11/28/22 08:56	11/29/22 15:09	1
Benzo[g,h,i]perylene	ND		0.49	0.057	ug/L		11/28/22 08:56	11/29/22 15:09	1
Benzo[k]fluoranthene	ND		0.29	0.069	ug/L		11/28/22 08:56	11/29/22 15:09	1
Chrysene	ND		0.49	0.073	ug/L		11/28/22 08:56	11/29/22 15:09	1
Dibenz(a,h)anthracene	ND		0.49	0.069	ug/L		11/28/22 08:56	11/29/22 15:09	1
Fluoranthene	ND		0.49	0.078	ug/L		11/28/22 08:56	11/29/22 15:09	1
Fluorene	ND		0.49	0.057	ug/L		11/28/22 08:56	11/29/22 15:09	1
Indeno[1,2,3-cd]pyrene	ND		0.49	0.11	ug/L		11/28/22 08:56	11/29/22 15:09	1
Naphthalene	ND		0.98	0.063	ug/L		11/28/22 08:56	11/29/22 15:09	1
Phenanthrene	ND		0.20	0.061	ug/L		11/28/22 08:56	11/29/22 15:09	1
Pyrene	ND		0.49	0.075	ug/L		11/28/22 08:56	11/29/22 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*109*		*37 - 120*	*11/28/22 08:56*	*11/29/22 15:09*	*1*
Nitrobenzene-d5 (Surr)	*82*		*26 - 120*	*11/28/22 08:56*	*11/29/22 15:09*	*1*
p-Terphenyl-d14	*101*		*64 - 127*	*11/28/22 08:56*	*11/29/22 15:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.069**	~~^2 B~~ UB	0.010	0.0041	mg/L			12/05/22 17:39	1
~~**Cyanide, Total (SW846 9012B)**~~	~~**0.084**~~	~~**H F1 B**~~	~~0.010~~	~~0.0041~~	~~mg/L~~			~~12/09/22 10:22~~	~~1~~

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: PRMW-3D

Date Collected: 11/21/22 14:55
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-6

Matrix: Ground 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			11/23/22 14:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 14:38	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 14:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*11/23/22 14:38*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/23/22 14:38*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*11/23/22 14:38*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/23/22 14:38*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.036	ug/L		11/28/22 08:56	11/29/22 15:36	1
Acenaphthylene	ND		0.30	0.055	ug/L		11/28/22 08:56	11/29/22 15:36	1
Anthracene	ND		0.50	0.034	ug/L		11/28/22 08:56	11/29/22 15:36	1
Benzo[a]anthracene	ND		0.30	0.034	ug/L		11/28/22 08:56	11/29/22 15:36	1
Benzo[a]pyrene	ND		0.18	0.13	ug/L		11/28/22 08:56	11/29/22 15:36	1
Benzo[b]fluoranthene	ND		0.30	0.062	ug/L		11/28/22 08:56	11/29/22 15:36	1
Benzo[g,h,i]perylene	ND		0.50	0.057	ug/L		11/28/22 08:56	11/29/22 15:36	1
Benzo[k]fluoranthene	ND		0.30	0.069	ug/L		11/28/22 08:56	11/29/22 15:36	1
Chrysene	ND		0.50	0.073	ug/L		11/28/22 08:56	11/29/22 15:36	1
Dibenz(a,h)anthracene	ND		0.50	0.069	ug/L		11/28/22 08:56	11/29/22 15:36	1
Fluoranthene	ND		0.50	0.079	ug/L		11/28/22 08:56	11/29/22 15:36	1
Fluorene	ND		0.50	0.057	ug/L		11/28/22 08:56	11/29/22 15:36	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.11	ug/L		11/28/22 08:56	11/29/22 15:36	1
Naphthalene	ND		0.99	0.063	ug/L		11/28/22 08:56	11/29/22 15:36	1
Phenanthrene	ND		0.20	0.061	ug/L		11/28/22 08:56	11/29/22 15:36	1
Pyrene	ND		0.50	0.075	ug/L		11/28/22 08:56	11/29/22 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*97*		*37 - 120*	*11/28/22 08:56*	*11/29/22 15:36*	*1*
Nitrobenzene-d5 (Surr)	*69*		*26 - 120*	*11/28/22 08:56*	*11/29/22 15:36*	*1*
p-Terphenyl-d14	*93*		*64 - 127*	*11/28/22 08:56*	*11/29/22 15:36*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	~~F1 ^-~~	0.010	0.0041	mg/L			12/05/22 17:52	1
~~Cyanide, Total (SW846 9012B)~~	~~ND~~	~~H F1~~	~~0.010~~	~~0.0041~~	~~mg/L~~			~~12/12/22 09:40~~	~~1~~

Client Sample ID: PRMW-3S
Lab Sample ID: 480-204098-7

Date Collected: 11/21/22 12:30
Matrix: Ground Water
Date Received: 11/22/22 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			11/23/22 15:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 15:01	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 15:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*11/23/22 15:01*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/23/22 15:01*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*11/23/22 15:01*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/23/22 15:01*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.49	0.035	ug/L		11/28/22 08:56	11/29/22 12:51	1
Acenaphthylene	ND		0.29	0.055	ug/L		11/28/22 08:56	11/29/22 12:51	1
Anthracene	ND		0.49	0.033	ug/L		11/28/22 08:56	11/29/22 12:51	1
Benzo[a]anthracene	ND	F1	0.29	0.033	ug/L		11/28/22 08:56	11/29/22 12:51	1
Benzo[a]pyrene	ND	F1	0.18	0.13	ug/L		11/28/22 08:56	11/29/22 12:51	1
Benzo[b]fluoranthene	ND	F1 F2	0.29	0.062	ug/L		11/28/22 08:56	11/29/22 12:51	1
Benzo[g,h,i]perylene	ND		0.49	0.057	ug/L		11/28/22 08:56	11/29/22 12:51	1
Benzo[k]fluoranthene	ND		0.29	0.069	ug/L		11/28/22 08:56	11/29/22 12:51	1
Chrysene	ND	F1	0.49	0.073	ug/L		11/28/22 08:56	11/29/22 12:51	1
Dibenz(a,h)anthracene	ND		0.49	0.069	ug/L		11/28/22 08:56	11/29/22 12:51	1
Fluoranthene	ND		0.49	0.078	ug/L		11/28/22 08:56	11/29/22 12:51	1
Fluorene	ND		0.49	0.057	ug/L		11/28/22 08:56	11/29/22 12:51	1
Indeno[1,2,3-cd]pyrene	ND		0.49	0.11	ug/L		11/28/22 08:56	11/29/22 12:51	1
Naphthalene	ND		0.98	0.063	ug/L		11/28/22 08:56	11/29/22 12:51	1
Phenanthrene	ND		0.20	0.061	ug/L		11/28/22 08:56	11/29/22 12:51	1
Pyrene	ND		0.49	0.075	ug/L		11/28/22 08:56	11/29/22 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*105*		*37 - 120*	*11/28/22 08:56*	*11/29/22 12:51*	*1*
Nitrobenzene-d5 (Surr)	*77*		*26 - 120*	*11/28/22 08:56*	*11/29/22 12:51*	*1*
p-Terphenyl-d14	*96*		*64 - 127*	*11/28/22 08:56*	*11/29/22 12:51*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	F1	0.010	0.0041	mg/L			12/05/22 17:21	1

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: PRMW-4S

Date Collected: ~~11/21/22 12:30~~ 11/22/22 12:50
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-8

Matrix: Ground 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			11/23/22 15:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 15:24	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 15:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*11/23/22 15:24*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*11/23/22 15:24*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*11/23/22 15:24*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/23/22 15:24*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.48	0.034	ug/L		11/28/22 08:56	11/29/22 16:04	1
Acenaphthylene	ND		0.29	0.053	ug/L		11/28/22 08:56	11/29/22 16:04	1
Anthracene	ND		0.48	0.032	ug/L		11/28/22 08:56	11/29/22 16:04	1
Benzo[a]anthracene	ND		0.29	0.032	ug/L		11/28/22 08:56	11/29/22 16:04	1
Benzo[a]pyrene	ND		0.17	0.12	ug/L		11/28/22 08:56	11/29/22 16:04	1
Benzo[b]fluoranthene	ND		0.29	0.060	ug/L		11/28/22 08:56	11/29/22 16:04	1
Benzo[g,h,i]perylene	ND		0.48	0.055	ug/L		11/28/22 08:56	11/29/22 16:04	1
Benzo[k]fluoranthene	ND		0.29	0.067	ug/L		11/28/22 08:56	11/29/22 16:04	1
Chrysene	ND		0.48	0.070	ug/L		11/28/22 08:56	11/29/22 16:04	1
Dibenz(a,h)anthracene	ND		0.48	0.067	ug/L		11/28/22 08:56	11/29/22 16:04	1
Fluoranthene	ND		0.48	0.076	ug/L		11/28/22 08:56	11/29/22 16:04	1
Fluorene	ND		0.48	0.055	ug/L		11/28/22 08:56	11/29/22 16:04	1
Indeno[1,2,3-cd]pyrene	ND		0.48	0.10	ug/L		11/28/22 08:56	11/29/22 16:04	1
Naphthalene	ND		0.95	0.061	ug/L		11/28/22 08:56	11/29/22 16:04	1
Phenanthrene	ND		0.19	0.059	ug/L		11/28/22 08:56	11/29/22 16:04	1
Pyrene	ND		0.48	0.072	ug/L		11/28/22 08:56	11/29/22 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*37 - 120*	*11/28/22 08:56*	*11/29/22 16:04*	*1*
Nitrobenzene-d5 (Surr)	*68*		*26 - 120*	*11/28/22 08:56*	*11/29/22 16:04*	*1*
p-Terphenyl-d14	*93*		*64 - 127*	*11/28/22 08:56*	*11/29/22 16:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	~~X~~	0.010	0.0041	mg/L			12/05/22 17:57	1
~~Cyanide, Total (SW846 9012B)~~	~~ND~~	~~H~~	~~0.010~~	~~0.0041~~	~~mg/L~~			~~12/12/22 09:46~~	~~1~~

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: PRMW-5D

Date Collected: 11/21/22 14:15
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-9

Matrix: Ground 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			11/23/22 15:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 15:46	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 15:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*11/23/22 15:46*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*11/23/22 15:46*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*11/23/22 15:46*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/23/22 15:46*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.039**	**J**	0.48	0.034	ug/L		11/28/22 08:56	11/29/22 16:32	1
Acenaphthylene	ND		0.29	0.053	ug/L		11/28/22 08:56	11/29/22 16:32	1
Anthracene	ND		0.48	0.032	ug/L		11/28/22 08:56	11/29/22 16:32	1
Benzo[a]anthracene	ND		0.29	0.032	ug/L		11/28/22 08:56	11/29/22 16:32	1
Benzo[a]pyrene	ND		0.17	0.12	ug/L		11/28/22 08:56	11/29/22 16:32	1
Benzo[b]fluoranthene	ND		0.29	0.060	ug/L		11/28/22 08:56	11/29/22 16:32	1
Benzo[g,h,i]perylene	ND		0.48	0.055	ug/L		11/28/22 08:56	11/29/22 16:32	1
Benzo[k]fluoranthene	ND		0.29	0.067	ug/L		11/28/22 08:56	11/29/22 16:32	1
Chrysene	ND		0.48	0.070	ug/L		11/28/22 08:56	11/29/22 16:32	1
Dibenz(a,h)anthracene	ND		0.48	0.067	ug/L		11/28/22 08:56	11/29/22 16:32	1
Fluoranthene	ND		0.48	0.076	ug/L		11/28/22 08:56	11/29/22 16:32	1
Fluorene	ND		0.48	0.055	ug/L		11/28/22 08:56	11/29/22 16:32	1
Indeno[1,2,3-cd]pyrene	ND		0.48	0.10	ug/L		11/28/22 08:56	11/29/22 16:32	1
Naphthalene	ND		0.95	0.061	ug/L		11/28/22 08:56	11/29/22 16:32	1
Phenanthrene	ND		0.19	0.059	ug/L		11/28/22 08:56	11/29/22 16:32	1
Pyrene	ND		0.48	0.072	ug/L		11/28/22 08:56	11/29/22 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*106*		*37 - 120*	*11/28/22 08:56*	*11/29/22 16:32*	*1*
Nitrobenzene-d5 (Surr)	*75*		*26 - 120*	*11/28/22 08:56*	*11/29/22 16:32*	*1*
p-Terphenyl-d14	*95*		*64 - 127*	*11/28/22 08:56*	*11/29/22 16:32*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	[illegible]	0.010	0.0041	mg/L			12/05/22 18:00	1
~~Cyanide, Total (SW846 9012B)~~	~~ND~~	~~H~~	~~0.010~~	~~0.0041~~	~~mg/L~~			~~12/12/22 09:48~~	~~1~~

Client Sample ID: PRMW-5S
Lab Sample ID: 480-204098-10

Date Collected: 11/21/22 16:00
Matrix: Ground Water

Date Received: 11/22/22 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6.1**		1.0	0.41	ug/L			11/23/22 16:09	1
Ethylbenzene	**2.4**		1.0	0.74	ug/L			11/23/22 16:09	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 16:09	1
Xylenes, Total	**1.4**	**J**	2.0	0.66	ug/L			11/23/22 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*11/23/22 16:09*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/23/22 16:09*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*11/23/22 16:09*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/23/22 16:09*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**11**		2.4	0.17	ug/L		11/28/22 08:56	11/29/22 16:59	5
Acenaphthylene	**1.9**		1.4	0.27	ug/L		11/28/22 08:56	11/29/22 16:59	5
Anthracene	ND		2.4	0.16	ug/L		11/28/22 08:56	11/29/22 16:59	5
Benzo[a]anthracene	ND		1.4	0.16	ug/L		11/28/22 08:56	11/29/22 16:59	5
Benzo[a]pyrene	ND		0.86	0.62	ug/L		11/28/22 08:56	11/29/22 16:59	5
Benzo[b]fluoranthene	ND		1.4	0.30	ug/L		11/28/22 08:56	11/29/22 16:59	5
Benzo[g,h,i]perylene	ND		2.4	0.28	ug/L		11/28/22 08:56	11/29/22 16:59	5
Benzo[k]fluoranthene	ND		1.4	0.33	ug/L		11/28/22 08:56	11/29/22 16:59	5
Chrysene	ND		2.4	0.35	ug/L		11/28/22 08:56	11/29/22 16:59	5
Dibenz(a,h)anthracene	ND		2.4	0.33	ug/L		11/28/22 08:56	11/29/22 16:59	5
Fluoranthene	**1.3**	**J**	2.4	0.38	ug/L		11/28/22 08:56	11/29/22 16:59	5
Fluorene	**3.5**		2.4	0.28	ug/L		11/28/22 08:56	11/29/22 16:59	5
Indeno[1,2,3-cd]pyrene	ND		2.4	0.52	ug/L		11/28/22 08:56	11/29/22 16:59	5
Naphthalene	**12**		4.8	0.30	ug/L		11/28/22 08:56	11/29/22 16:59	5
Phenanthrene	**1.4**		0.95	0.30	ug/L		11/28/22 08:56	11/29/22 16:59	5
Pyrene	**0.83**	**J**	2.4	0.36	ug/L		11/28/22 08:56	11/29/22 16:59	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*37 - 120*	*11/28/22 08:56*	*11/29/22 16:59*	*5*
Nitrobenzene-d5 (Surr)	*62*		*26 - 120*	*11/28/22 08:56*	*11/29/22 16:59*	*5*
p-Terphenyl-d14	*74*		*64 - 127*	*11/28/22 08:56*	*11/29/22 16:59*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.011**	**B ^2 ^-** UB	0.010	0.0041	mg/L			12/05/22 18:03	1
~~**Cyanide, Total (SW846 9012B)**~~	~~**0.031**~~	~~**H B**~~	~~0.010~~	~~0.0041~~	~~mg/L~~			~~12/09/22 10:27~~	~~1~~

Client Sample ID: PRMW-6D
Lab Sample ID: 480-204098-11

Date Collected: 11/21/22 10:25
Matrix: Ground Water

Date Received: 11/22/22 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			11/23/22 16:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 16:32	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 16:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*11/23/22 16:32*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/23/22 16:32*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*11/23/22 16:32*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/23/22 16:32*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.48	0.034	ug/L		11/28/22 08:56	11/29/22 17:27	1
Acenaphthylene	ND		0.29	0.053	ug/L		11/28/22 08:56	11/29/22 17:27	1
Anthracene	ND		0.48	0.032	ug/L		11/28/22 08:56	11/29/22 17:27	1
Benzo[a]anthracene	ND		0.29	0.032	ug/L		11/28/22 08:56	11/29/22 17:27	1
Benzo[a]pyrene	ND		0.17	0.12	ug/L		11/28/22 08:56	11/29/22 17:27	1
Benzo[b]fluoranthene	ND		0.29	0.060	ug/L		11/28/22 08:56	11/29/22 17:27	1
Benzo[g,h,i]perylene	ND		0.48	0.055	ug/L		11/28/22 08:56	11/29/22 17:27	1
Benzo[k]fluoranthene	ND		0.29	0.067	ug/L		11/28/22 08:56	11/29/22 17:27	1
Chrysene	ND		0.48	0.070	ug/L		11/28/22 08:56	11/29/22 17:27	1
Dibenz(a,h)anthracene	ND		0.48	0.067	ug/L		11/28/22 08:56	11/29/22 17:27	1
Fluoranthene	ND		0.48	0.076	ug/L		11/28/22 08:56	11/29/22 17:27	1
Fluorene	ND		0.48	0.055	ug/L		11/28/22 08:56	11/29/22 17:27	1
Indeno[1,2,3-cd]pyrene	ND		0.48	0.10	ug/L		11/28/22 08:56	11/29/22 17:27	1
Naphthalene	ND		0.95	0.061	ug/L		11/28/22 08:56	11/29/22 17:27	1
Phenanthrene	ND		0.19	0.059	ug/L		11/28/22 08:56	11/29/22 17:27	1
Pyrene	ND		0.48	0.072	ug/L		11/28/22 08:56	11/29/22 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*37 - 120*	*11/28/22 08:56*	*11/29/22 17:27*	*1*
Nitrobenzene-d5 (Surr)	*67*		*26 - 120*	*11/28/22 08:56*	*11/29/22 17:27*	*1*
p-Terphenyl-d14	*97*		*64 - 127*	*11/28/22 08:56*	*11/29/22 17:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	~~A~~	0.010	0.0041	mg/L			12/05/22 18:05	1
~~Cyanide, Total (SW846 9012B)~~	~~ND~~	~~H~~	~~0.010~~	~~0.0041~~	~~mg/L~~			~~12/12/22 09:51~~	~~1~~

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: PRMW-6S

Date Collected: 11/21/22 11:45
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-12

Matrix: Ground 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			11/23/22 16:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 16:56	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 16:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*11/23/22 16:56*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*11/23/22 16:56*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*11/23/22 16:56*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/23/22 16:56*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.48	0.034	ug/L		11/28/22 08:56	11/29/22 17:54	1
Acenaphthylene	ND		0.29	0.053	ug/L		11/28/22 08:56	11/29/22 17:54	1
Anthracene	ND		0.48	0.032	ug/L		11/28/22 08:56	11/29/22 17:54	1
Benzo[a]anthracene	ND		0.29	0.032	ug/L		11/28/22 08:56	11/29/22 17:54	1
Benzo[a]pyrene	ND		0.17	0.12	ug/L		11/28/22 08:56	11/29/22 17:54	1
Benzo[b]fluoranthene	ND		0.29	0.060	ug/L		11/28/22 08:56	11/29/22 17:54	1
Benzo[g,h,i]perylene	ND		0.48	0.055	ug/L		11/28/22 08:56	11/29/22 17:54	1
Benzo[k]fluoranthene	ND		0.29	0.067	ug/L		11/28/22 08:56	11/29/22 17:54	1
Chrysene	ND		0.48	0.070	ug/L		11/28/22 08:56	11/29/22 17:54	1
Dibenz(a,h)anthracene	ND		0.48	0.067	ug/L		11/28/22 08:56	11/29/22 17:54	1
Fluoranthene	ND		0.48	0.076	ug/L		11/28/22 08:56	11/29/22 17:54	1
Fluorene	ND		0.48	0.055	ug/L		11/28/22 08:56	11/29/22 17:54	1
Indeno[1,2,3-cd]pyrene	ND		0.48	0.10	ug/L		11/28/22 08:56	11/29/22 17:54	1
Naphthalene	ND		0.95	0.061	ug/L		11/28/22 08:56	11/29/22 17:54	1
Phenanthrene	ND		0.19	0.059	ug/L		11/28/22 08:56	11/29/22 17:54	1
Pyrene	ND		0.48	0.072	ug/L		11/28/22 08:56	11/29/22 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*37 - 120*	*11/28/22 08:56*	*11/29/22 17:54*	*1*
Nitrobenzene-d5 (Surr)	*59*		*26 - 120*	*11/28/22 08:56*	*11/29/22 17:54*	*1*
p-Terphenyl-d14	*92*		*64 - 127*	*11/28/22 08:56*	*11/29/22 17:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	~~H~~	0.010	0.0041	mg/L			12/05/22 18:08	1
~~Cyanide, Total (SW846 9012B)~~	~~ND~~	~~H~~	~~0.010~~	~~0.0041~~	~~mg/L~~			~~12/12/22 09:54~~	~~1~~

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: TMW-1D

Date Collected: 11/21/22 16:00
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-13

Matrix: Ground 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			11/23/22 17:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 17:18	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 17:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*11/23/22 17:18*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*11/23/22 17:18*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*11/23/22 17:18*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/23/22 17:18*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.036	ug/L		11/28/22 08:56	11/29/22 18:21	1
Acenaphthylene	ND		0.30	0.055	ug/L		11/28/22 08:56	11/29/22 18:21	1
Anthracene	ND		0.50	0.034	ug/L		11/28/22 08:56	11/29/22 18:21	1
Benzo[a]anthracene	ND		0.30	0.034	ug/L		11/28/22 08:56	11/29/22 18:21	1
Benzo[a]pyrene	ND		0.18	0.13	ug/L		11/28/22 08:56	11/29/22 18:21	1
Benzo[b]fluoranthene	ND		0.30	0.062	ug/L		11/28/22 08:56	11/29/22 18:21	1
Benzo[g,h,i]perylene	ND		0.50	0.057	ug/L		11/28/22 08:56	11/29/22 18:21	1
Benzo[k]fluoranthene	ND		0.30	0.069	ug/L		11/28/22 08:56	11/29/22 18:21	1
Chrysene	ND		0.50	0.073	ug/L		11/28/22 08:56	11/29/22 18:21	1
Dibenz(a,h)anthracene	ND		0.50	0.069	ug/L		11/28/22 08:56	11/29/22 18:21	1
Fluoranthene	ND		0.50	0.079	ug/L		11/28/22 08:56	11/29/22 18:21	1
Fluorene	ND		0.50	0.057	ug/L		11/28/22 08:56	11/29/22 18:21	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.11	ug/L		11/28/22 08:56	11/29/22 18:21	1
Naphthalene	ND		0.99	0.063	ug/L		11/28/22 08:56	11/29/22 18:21	1
Phenanthrene	ND		0.20	0.061	ug/L		11/28/22 08:56	11/29/22 18:21	1
Pyrene	ND		0.50	0.075	ug/L		11/28/22 08:56	11/29/22 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*37 - 120*	*11/28/22 08:56*	*11/29/22 18:21*	*1*
Nitrobenzene-d5 (Surr)	*65*		*26 - 120*	*11/28/22 08:56*	*11/29/22 18:21*	*1*
p-Terphenyl-d14	*96*		*64 - 127*	*11/28/22 08:56*	*11/29/22 18:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	^-	0.010	0.0041	mg/L			12/05/22 18:11	1
~~Cyanide, Total (SW846 9012B)~~	~~ND~~	~~H~~	~~0.010~~	~~0.0041~~	~~mg/L~~			~~12/12/22 10:07~~	~~1~~

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: TMW-2DR

Date Collected: 11/21/22 10:45
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-14

Matrix: Ground 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			11/23/22 17:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 17:41	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 17:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*11/23/22 17:41*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*11/23/22 17:41*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*11/23/22 17:41*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/23/22 17:41*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.52	0.037	ug/L		11/28/22 08:56	11/29/22 18:49	1
Acenaphthylene	ND		0.31	0.058	ug/L		11/28/22 08:56	11/29/22 18:49	1
Anthracene	ND		0.52	0.035	ug/L		11/28/22 08:56	11/29/22 18:49	1
Benzo[a]anthracene	ND		0.31	0.035	ug/L		11/28/22 08:56	11/29/22 18:49	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		11/28/22 08:56	11/29/22 18:49	1
Benzo[b]fluoranthene	ND		0.31	0.065	ug/L		11/28/22 08:56	11/29/22 18:49	1
Benzo[g,h,i]perylene	ND		0.52	0.060	ug/L		11/28/22 08:56	11/29/22 18:49	1
Benzo[k]fluoranthene	ND		0.31	0.072	ug/L		11/28/22 08:56	11/29/22 18:49	1
Chrysene	ND		0.52	0.076	ug/L		11/28/22 08:56	11/29/22 18:49	1
Dibenz(a,h)anthracene	ND		0.52	0.072	ug/L		11/28/22 08:56	11/29/22 18:49	1
Fluoranthene	ND		0.52	0.082	ug/L		11/28/22 08:56	11/29/22 18:49	1
Fluorene	ND		0.52	0.060	ug/L		11/28/22 08:56	11/29/22 18:49	1
Indeno[1,2,3-cd]pyrene	ND		0.52	0.11	ug/L		11/28/22 08:56	11/29/22 18:49	1
Naphthalene	ND		1.0	0.066	ug/L		11/28/22 08:56	11/29/22 18:49	1
Phenanthrene	ND		0.21	0.064	ug/L		11/28/22 08:56	11/29/22 18:49	1
Pyrene	ND		0.52	0.078	ug/L		11/28/22 08:56	11/29/22 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*100*		*37 - 120*	*11/28/22 08:56*	*11/29/22 18:49*	*1*
Nitrobenzene-d5 (Surr)	*81*		*26 - 120*	*11/28/22 08:56*	*11/29/22 18:49*	*1*
p-Terphenyl-d14	*89*		*64 - 127*	*11/28/22 08:56*	*11/29/22 18:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	^-	0.010	0.0041	mg/L			12/05/22 18:13	1
~~Cyanide, Total (SW846 9012B)~~	~~ND~~	~~H~~	~~0.010~~	~~0.0041~~	~~mg/L~~			~~12/12/22 10:15~~	~~1~~

Client: New York State Electric & Gas
Job ID: 480-204098-1
Project/Site: NYSEG Former MGP Site - Penn Yan

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-204098-15
Date Collected: 11/21/22 00:00
Matrix: WQ
Date Received: 11/22/22 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			11/23/22 18:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 18:04	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 18:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*11/23/22 18:04*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*11/23/22 18:04*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*11/23/22 18:04*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/23/22 18:04*	*1*

Client: New York State Electric & Gas
Project/Site: NYSEG Former MGP Site - Penn Yan

Job ID: 480-204098-1

Client Sample ID: DUP-20221121

Date Collected: 11/21/22 00:00
Date Received: 11/22/22 14:30

Lab Sample ID: 480-204098-16

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			11/23/22 18:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/22 18:27	1
Toluene	ND		1.0	0.51	ug/L			11/23/22 18:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/22 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*11/23/22 18:27*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/23/22 18:27*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*11/23/22 18:27*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/23/22 18:27*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.036	ug/L		11/28/22 08:56	11/29/22 19:17	1
Acenaphthylene	ND		0.30	0.056	ug/L		11/28/22 08:56	11/29/22 19:17	1
Anthracene	ND		0.50	0.034	ug/L		11/28/22 08:56	11/29/22 19:17	1
Benzo[a]anthracene	ND		0.30	0.034	ug/L		11/28/22 08:56	11/29/22 19:17	1
Benzo[a]pyrene	ND		0.18	0.13	ug/L		11/28/22 08:56	11/29/22 19:17	1
Benzo[b]fluoranthene	ND		0.30	0.063	ug/L		11/28/22 08:56	11/29/22 19:17	1
Benzo[g,h,i]perylene	ND		0.50	0.058	ug/L		11/28/22 08:56	11/29/22 19:17	1
Benzo[k]fluoranthene	ND		0.30	0.070	ug/L		11/28/22 08:56	11/29/22 19:17	1
Chrysene	ND		0.50	0.074	ug/L		11/28/22 08:56	11/29/22 19:17	1
Dibenz(a,h)anthracene	ND		0.50	0.070	ug/L		11/28/22 08:56	11/29/22 19:17	1
Fluoranthene	ND		0.50	0.080	ug/L		11/28/22 08:56	11/29/22 19:17	1
Fluorene	ND		0.50	0.058	ug/L		11/28/22 08:56	11/29/22 19:17	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.11	ug/L		11/28/22 08:56	11/29/22 19:17	1
Naphthalene	ND		1.0	0.064	ug/L		11/28/22 08:56	11/29/22 19:17	1
Phenanthrene	ND		0.20	0.062	ug/L		11/28/22 08:56	11/29/22 19:17	1
Pyrene	ND		0.50	0.076	ug/L		11/28/22 08:56	11/29/22 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*100*		*37 - 120*	*11/28/22 08:56*	*11/29/22 19:17*	*1*
Nitrobenzene-d5 (Surr)	*75*		*26 - 120*	*11/28/22 08:56*	*11/29/22 19:17*	*1*
p-Terphenyl-d14	*98*		*64 - 127*	*11/28/22 08:56*	*11/29/22 19:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	H	0.010	0.0041	mg/L			12/05/22 18:16	1
~~Cyanide, Total (SW846 9012B)~~	~~ND~~	~~H~~	~~0.010~~	~~0.0041~~	~~mg/L~~			~~12/12/22 10:18~~	~~1~~