



May 9, 2025

Mr. Tracey Garland
Project Manager
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233

Re: 3rd Groundwater Monitoring Program Sampling Report
NYSEG Jackson Street Former MGP Site
Penn Yan, Yates County, New York
NYSDEC Site Code 862008

Dear Mr. Pratt :

The purpose of this report is to present the results of the third (3rd) Post-Remediation Groundwater Monitoring Program (GWMP) sampling event completed at the New York State Electric & Gas Corporation (NYSEG) Jackson Street Former Manufactured Gas Plant (MGP) site [New York State Department of Environmental Conservation (NYSDEC) Site No. 862008], located at Linden Street and Court Street in Penn Yan, Yates County, New York (referred to herein as the "Site"), as depicted on **Figure 1**. This groundwater sampling was completed by NEU-VELLE, LLC (NEU-VELLE) personnel in accordance with the Site Management Plan (SMP) for the Site, prepared by AMEC Geomatrix, Inc. and dated December 2011.

SCOPE OF WORK

Synoptic Water Levels

As summarized in **Table 1**, a Site-wide round of synoptic groundwater levels were collected from eight (8) monitoring wells at the Site (MW-1, MW-2S, MW-2D, MW-3A, MW-4S, MW-4D, MW-5, and MW-6) on August 20th, prior to the start of groundwater sampling activities. The monitoring well locations are depicted on **Figure 2**. Each well was gauged for the presence of non-aqueous phase liquid (NAPL) using an oil/water interface probe. NAPL was not detected in any of the wells. The well gauging observations and field measurements are provided in **Table 1**, and a groundwater elevation contour map is provided as **Figure 2**.

Groundwater Sampling

From August 21st through August 23rd, 2024, the GWMP samples were collected from the eight (8) groundwater monitoring wells at the Site (MW-1, MW-2S, MW-2D, MW-3A, MW-4S, MW-4D, MW-5 and MW-6). A stainless-steel bladder pump equipped with a new polyethylene bladder and new polyethylene tubing was used at each sampling location.

Groundwater samples were collected using the low-stress (low-flow) purging techniques outlined in the United States Environmental Protection Agency (USEPA) Ground-Water Sampling Guidelines for Superfund and Resource Conservation and Recovery Act (RCRA) Project Managers dated May 2002.

Prior to initiating purging, field personnel donned new nitrile gloves, and care was taken to avoid introducing contaminants into the groundwater monitoring wells. During purging, time, water-level measurements, temperature, dissolved oxygen (DO), oxidation reduction potential (ORP), pH, turbidity, and specific conductance (purge parameters) were measured and recorded using calibrated field monitoring equipment.

The well information, sample information, monitoring parameters, and field observations were recorded on a groundwater sample log completed at each well. The groundwater sample logs are provided as **Attachment 2**.

New nitrile gloves were donned by field personnel prior to the collection of each groundwater sample. The laboratory samples were collected in appropriate laboratory-supplied sample containers. Samples were placed in a plastic cooler pre-chilled with ice and submitted under chain of custody protocols. The samples were delivered to Paradigm Environmental Services, Inc. (Paradigm) located in Rochester, New York. The groundwater samples were analyzed as follows:

- volatile organic compounds (VOCs), BTEX (benzene, toluene, ethylbenzene, and xylene) only, were analyzed in accordance with USEPA Method 8260;
- semi-volatile organic compounds (SVOCs), polycyclic aromatic hydrocarbons (PAHs) only, were analyzed in accordance with USEPA Method 8270; and
- total cyanide was analyzed in accordance with USEPA Method 9012.

Quality Assurance/Quality Control (QA/QC) samples including a field blank, equipment blank, blind duplicate (collected at MW-4S), a trip blank, and matrix spike/matrix spike duplicate samples (MS/MSD) were collected.

Reporting of Results

Copies of the laboratory analytical reports are presented in **Exhibit A**, and the analytical results, including those for the blind duplicate QA/QC samples, are summarized in **Table 2** of this report.

Waste Disposal

Purged groundwater and decontamination water were containerized into one (1) 55-gallon polyethylene drums and staged at the Site.

RESULTS

Analytical Results

The groundwater sample analytical results were compared to the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, Class GA, standards, criteria, and guidance values (SCGs). The analytical results for groundwater samples are summarized in **Table 2** and **Figure 3**, as follows:

- BTEX compounds were detected above their respective TOGS 1.1.1, Class GA SCG values in two (2) of the groundwater samples collected (MW-3A, and MW-4S). Benzene was detected above its TOGS 1.1.1, Class GA SCG (1 µg/L) in MW-3A and MW-4S at concentrations of 52 micrograms per liter (µg/L) or parts per billion (ppb) and 910 µg/L, respectively. Ethylbenzene was also detected above its TOGS 1.1.1, Class GA SCG (5 µg/L) in MW-3A and MW-4S at concentrations of 18 µg/L and 300 µg/L, respectively. Toluene and xylenes (total) were detected above their TOGS 1.1.1, Class GA SCGs (5 µg/L) in MW-4S at concentrations of 62 µg/L and 580 µg/L, respectively.
- PAHs were detected above laboratory reporting limits in three (3) of the groundwater samples collected (MW-3A, MW-4S and MW-5) and detected (and given estimated concentrations) below reporting limits in six (6) of the groundwater samples collected (MW-2S, MW-3A, MW-4D, MW-4S, MW-5 and MW-6). Seven (7) PAHs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, and naphthalene) were detected at concentrations above their respective TOGS 1.1.1, Class GA SCG; these include:
 - o MW-2S - benzo(b)fluoranthene (0.04 J µg/L) and indeno(1,2,3-cd)pyrene (0.03 J µg/L);
 - o MW-4S - benzo(a)anthracene (0.07 J µg/L), benzo(a)pyrene (0.06 J µg/L), benzo(b)fluoranthene (0.04 J µg/L), chrysene (0.05 J µg/L), and naphthalene (860 µg/L);
 - o MW-5 - benzo(a)anthracene (0.16 µg/L), benzo(a)pyrene (0.39 µg/L), benzo(b)fluoranthene (0.61 µg/L), benzo(k)fluoranthene (0.23 µg/L), chrysene (0.43 µg/L), and indeno(1,2,3-cd)pyrene (0.37 µg/L).

The other PAHs detected in samples were below their respective TOGS 1.1.1, Class GA SCG values.

- Concentrations of total cyanide were detected above laboratory reporting limits in two (2) of the groundwater samples collected (MW-3A [0.03 milligrams per liter (mg/L) or parts per million (ppm)], and MW-4S [0.083 mg/L]) and detected (and given estimated concentrations) below reporting limits in two (2) of the groundwater samples collected (MW-1 and MW-2D). There were no reported concentrations of total cyanide in monitoring wells above the TOGS 1.1.1, Class GA SCG for total cyanide (0.2 mg/L).

The analytical results for the QA/QC samples are summarized as follows:

- No detections of BTEX, PAHs, nor total cyanide were reported in the “equipment blank” sample.
- No BTEX compounds were detected in the trip blank sample.

- Similar results for BTEX, PAHs, and total cyanide were reported in the blind duplicate sample collected at MW-4S.

Groundwater Mapping

A groundwater contour map (see **Figure 2**) was prepared based on the water level data collected at the Site on August 20th, 2024. This groundwater contour map depicts the groundwater beneath the Site flowing to the east, toward Jacobs Brook. The groundwater flow direction appears to generally follow the topography of the Site, which is consistent with prior findings of groundwater flow direction at the Site.

CONCLUSIONS

This report presents the results of the second (3rd) GWMP sampling event completed at the NYSEG Jackson Street Former MGP site, Penn Yan, NY (NYSDEC Site No. 862008).

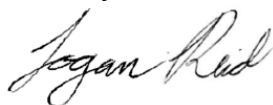
BTEX compounds were detected above their respective TOGS 1.1.1, Class GA SCG values in two (2) of the groundwater samples collected (MW-3A and MW-4S). A total of seven (7) PAHs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, and naphthalene) were detected at concentrations above their respective Class GA SCGs in three monitoring wells (MW-2S, MW-4S, and MW-5). Concentrations of total cyanide were detected above laboratory reporting limits in two (2) of the groundwater samples collected (MW-3A and MW-4S) and detected (and given estimated concentrations) below reporting limits in two (2) of the groundwater samples collected (MW-1 and MW-2D), all of which were below the TOGS 1.1.1, Class GA SCG for total cyanide (0.2 mg/L).

The groundwater contour map for August 20th, 2024, depicts the groundwater beneath the Site flowing predominantly to the east, toward Jacobs Creek, generally following the Site's topography.

The periodic (every 15 months) GWMP sampling will continue as described in the SMP (the next groundwater sampling event is scheduled for November 2025) and will continue to assess the groundwater quality beneath the Site.

Please feel free to contact NEU-VELLE at (585) 478-3167, or LReid@neu-velle.com, with any questions you may have regarding this letter report.

Sincerely,



Logan Reid
NEU-VELLE, LLC

CC: Levia Terrell, NYSEG
Scott Tucker, Ramboll

Attachments:

Table 1 – Monitoring Well Reference Data and Groundwater Measurements

Table 2 – Groundwater Sample Analytical Results

Figure 1 – Site Location

Figure 2 – August 2024 Groundwater Elevation Contours

Figure 3 – August 2024 Analytical Detections in Groundwater

Attachment 1 – Groundwater Sample Logs

Exhibit A – Laboratory Reports

Tables

Table 1
Monitoring Well Reference Data and Groundwater Measurements

Well ID	TOC Elevation (ft)	Depth to Water (ft bgs)	Groundwater Elevation (ft)	Depth to Water (ft bgs)	Groundwater Elevation (ft)	Depth to Water (ft bgs)	Groundwater Elevation (ft)
		12/1/2021		4/28/2023		8/20/2024	
MW-1	754.49	9.43	745.06	9.00	745.49	10.71	743.78
MW-2D	754.22	10.60	743.62	11.50	742.72	11.85	742.37
MW-2S	753.76	9.52	744.24	9.00	744.76	10.29	743.47
MW-3A	752.48	11.15	741.33	11.60	740.88	12.24	740.24
MW-4D	754.33	11.78	742.55	11.90	742.43	13.71	740.62
MW-4S	753.02	12.14	740.88	13.00	740.02	12.63	740.39
MW-5	749.99	NM*	NA	7.60	742.39	7.91	742.08
MW-6	751.85	10.30	741.55	10.30	741.55	11.07	740.78

Notes:

1. Top of Casing (TOC) elevations surveyed by NYSEG personnel, September 2007. Vertical datum unknown.
2. Depths to water measured by NEU-VELLE on dates indicated.
3. bgs = below ground surface
4. * MW-5 well cover was damaged and was inaccessible
5. NM = not measured
6. NA = not applicable

Table 2
Groundwater Sample Analytical Results

Sample Location Sample Date Sample Identification			MW-1 12/3/2021 PY-MW-1-120321		MW-1 5/3/2023 MW-1-050323		MW-1 8/21/2024 PY_MW-1_082124		MW-2D 12/2/2021 PY-MW-2D-120221		MW-2D 5/4/2023 MW-2D-050423		MW-2D 8/21/2024 PY_MW-2D_082124		MW-2S 12/2/2021 PY-MW-2S-120221		MW-2S 5/4/2023 MW-2S-050423		MW-2S 8/21/2024 PY_MW-2S_082124		MW-3A 12/6/2021 PY-MW-3A-120621		MW-3A 5/8/2023 MW-3A-050823		MW-3A 8/23/2024 PY_MW-3A_082324	
Analyte	TOGS 1.1.1 Groundwater SCG	Units	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit
BTEX																										
Benzene	1	µg/L	13	1.0	5.4	0.50	ND	0.50	ND	1.0	ND	0.50	ND	0.50	ND	1.0	ND	0.50	ND	0.50	81	1.0	100	0.50	52	0.50
Ethylbenzene	5	µg/L	ND	1.0	ND	2.5	ND	2.5	ND	1.0	ND	2.5	ND	2.5	ND	1.0	ND	2.5	ND	2.5	22	1.0	28	2.5	18	2.5
Toluene	5	µg/L	ND	1.0	ND	2.5	ND	2.5	ND	1.0	ND	2.5	ND	2.5	ND	1.0	ND	2.5	ND	2.5	0.73 J	1.0	0.72 J	2.5	ND	2.5
Xylenes, Total	5	µg/L	ND	2.0	ND	2.5	ND	2.5	ND F1	2.0	ND	2.5	ND	2.5	ND	2.0	ND	2.5	ND	2.5	14	2.0	5.6 J	2.5	2.21 J	2.5
PAHs																										
Acenaphthene	20	µg/L	ND	0.54	ND	0.10	ND	0.10	ND	0.49	ND	0.10	ND	0.10	ND	0.53	ND	0.10	ND	0.10	ND	0.53	0.01 J	0.10	ND	0.10
Acenaphthylene	NS	µg/L	ND	0.32	ND	0.10	ND	0.10	ND	0.29	ND	0.10	ND	0.10	ND	0.32	ND	0.10	ND	0.10	0.16 J	0.32	0.21	0.10	0.08 J	0.10
Anthracene	50	µg/L	NT	NT	ND	0.10	ND	0.10	NT	NT	ND	0.10	ND	0.10	NT	NT	ND	0.10	ND	0.10	NT	NT	ND	0.10	0.05 J	0.10
Benzo(a)anthracene	0.002	µg/L	NT	NT	ND	0.10	ND	0.10	NT	NT	ND	0.10	ND	0.10	NT	NT	ND	0.10	ND	0.10	NT	NT	0.02 J	0.10	ND	0.10
Benzo(a)pyrene	ND	µg/L	NT	NT	ND	0.10	ND	0.10	NT	NT	ND	0.10	ND	0.10	NT	NT	ND	0.10	ND	0.10	NT	NT	ND	0.10	ND	0.10
Benzo(b)fluoranthene	0.002	µg/L	NT	NT	ND	0.10	ND	0.10	NT	NT	ND	0.10	ND	0.10	NT	NT	0.01 J	0.10	0.04 J	0.10	NT	NT	ND	0.10	ND	0.10
Benzo(k)fluoranthene	0.002	µg/L	NT	NT	ND	0.10	ND	0.10	NT	NT	ND	0.10	ND	0.10	NT	NT	ND	0.10	ND	0.10	NT	NT	ND	0.10	ND	0.10
Benzo(ghi)perylene	NS	µg/L	NT	NT	ND	0.10	ND	0.10	NT	NT	ND	0.10	ND	0.10	NT	NT	ND	0.10	0.03 J	0.10	NT	NT	ND	0.10	ND	0.10
Chrysene	0.002	µg/L	ND	0.49	ND	0.10	ND	0.10	ND 1 F	0.49	ND	0.10	ND	0.10	ND	0.49	ND	0.10	ND	0.10	ND	0.53	ND	0.10	ND	0.10
Dibenzo(a,h)anthracene	NS	µg/L	NT	NT	ND	0.10	ND	0.10	NT	NT	ND	0.10	ND	0.10	NT	NT	ND	0.10	ND	0.10	NT	NT	ND	0.10	ND	0.10
Fluoranthene	50	µg/L	ND	0.54	ND	0.10	ND	0.10	ND	0.49	ND	0.10	ND	0.10	0.11 J	0.53	0.03 J	0.10	0.06 J	0.10	ND	0.53	ND	0.10	0.04 J	0.10
Fluorene	50	µg/L	ND	0.54	ND	0.10	ND	0.10	ND	0.49	ND	0.10	ND	0.10	ND	0.53	ND	0.10	ND	0.10	ND	0.53	ND	0.10	0.06 J	0.10
Indeno(1,2,3-cd) pyrene	0.002	µg/L	NT	NT	ND	0.10	ND	0.10	ND	0.49	ND	0.10	ND	0.10	ND	0.49	ND	0.10	0.03 J	0.10	ND	0.49	ND	0.10	ND	0.10
Naphthalene	10	µg/L	0.35 J	1.1	0.19	0.10	ND	0.10	ND	0.97	ND	0.10	ND	0.10	ND	1.1	ND	0.10	0.08 J	0.10	2.9	1.1	0.66	0.10	0.24	0.10
Phenanthrene	50	µg/L	ND	0.22	ND	0.10	ND	0.10	ND	0.19	ND	0.10	ND	0.10	ND	0.21	ND	0.10	ND	0.10	ND	0.21	ND	0.10	0.14	0.10
Pyrene	50	µg/L	ND	0.54	ND	0.10	ND	0.10	ND	0.49	ND	0.10	ND	0.10	ND	0.53	0.02 J	0.10	0.05 J	0.10	ND	0.53	ND	0.10	ND	0.10
2-Chloronaphthalene	10	µg/L	NT	NT	ND	0.20	ND	0.20	NT	NT	ND	0.20	ND	0.20	NT	NT	ND	0.20	ND	0.20	NT	NT	ND	0.20	ND	0.20
2-Methylnaphthalene	NS	µg/L	NT	NT	ND	0.10	ND	0.10	NT	NT	ND	0.10	ND	0.10	NT	NT	ND	0.10	ND	0.10	NT	NT	ND	0.10	0.06 J	0.10
Cyanide																										
Cyanide, Total	0.2	mg/L	0.015	0.010	ND	0.005	0.001 J	0.005	0.0074 J	0.010	0.002 J	0.005	0.003 J	0.005	ND	0.010	ND	0.005	ND	0.005	0.025	0.010	0.036	0.005	0.030	0.005

- Notes:
- 1. µg/L = micrograms per liter
 - 2. mg/L = milligrams per liter
 - 3. "NS" = no standard, "ND" = non-detect, and "NT" = not tested
 - 4. Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) Ambient Water Quality Standards and Groundwater Effluent Limitations, June 1998.
 - 5. **Bold Sample result** = compound was detected.
 - 6. **Gray shading indicates the sample result is above the TOGS 1.1.1 Standards, Criteria and Guidance Value.**
 - 7. "J" is a laboratory data qualifier indicating "Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value"
 - 8. "F1" is a laboratory data qualifier indicating "MS and/or MSD recovery exceeds control limits"
 - 9. "F2" is a laboratory data qualifier indicating "MS/MSD RPD exceeds control limits"

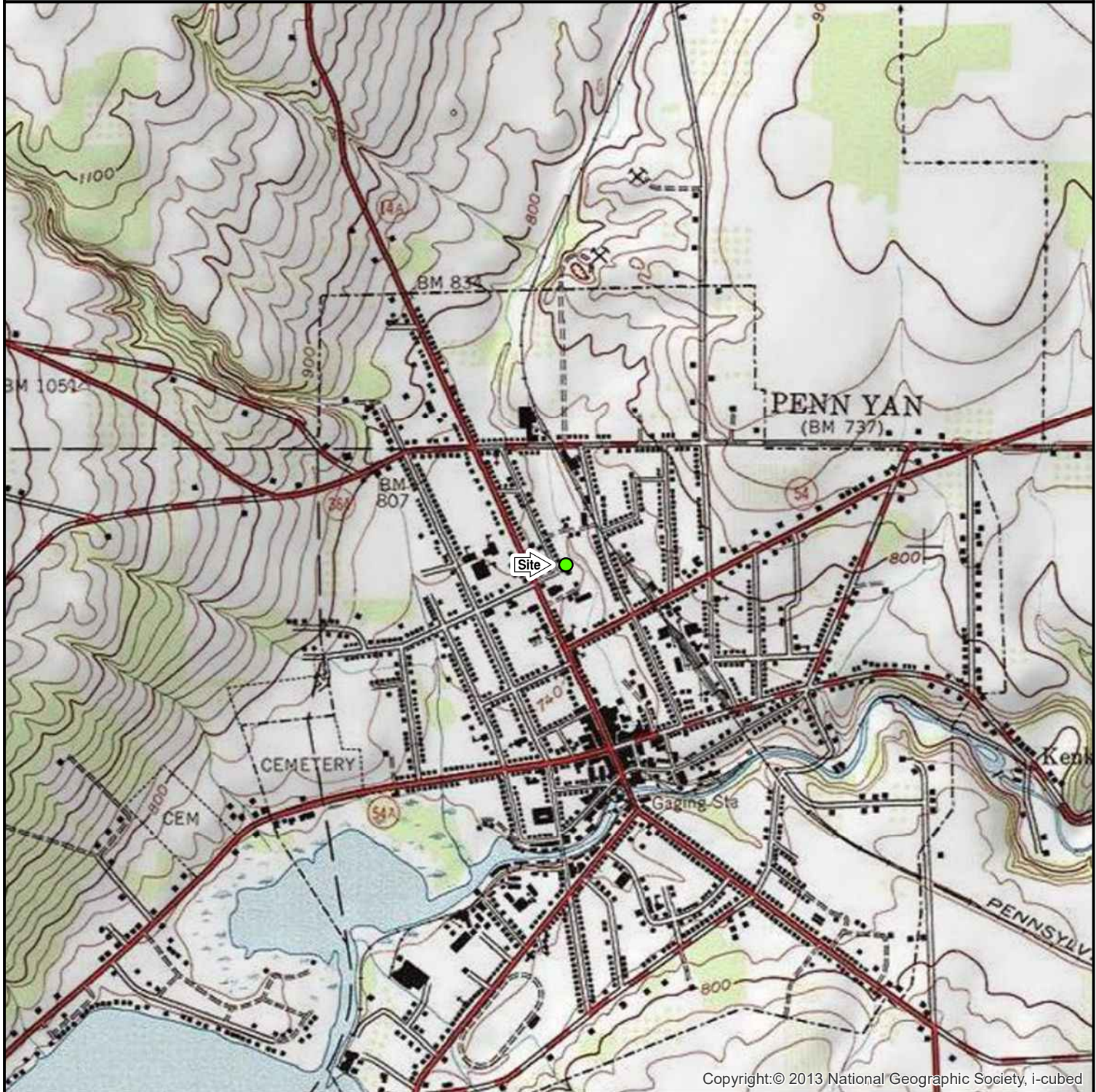
Table 2
Groundwater Sample Analytical Results

Sample Location Sample Date Sample Identification			MW-4D 12/4/2021 PY-MW-4D-120421		MW-4D 4/28/2023 MW-4D-042823		DUPLICATE DUP-042823		MW-4D 8/22/2024 PY_MW-4D_082224		MW-4S 12/4/2021 PY-MW-4S-120421		MW-4S 4/28/2023 MW-4S-042823		MW-4S 8/23/2024 PY_MW-4S_082324		DUPLICATE PY_DUP-082324		MW-5 5/5/2023 MW-5-050523		MW-5 8/22/2024 PY_MW-5_082224		MW-6 12/3/2021 PY-MW-6-120321		DUPLICATE PY-DUP-120321		MW-6 5/5/2023 MW-6-050523		MW-6 8/22/2024 PY_MW-6_082224							
Analyte	TOGS 1.1.1 Groundwater SCG	Units	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit						
BTEX																																				
Benzene	1	µg/L	ND	1.0	ND	0.5	ND	0.5	ND	0.5	1,600	40	380	5	910	5	940	5	ND	0.50	ND	0.50	ND	1.0	ND	1.0	ND	0.50	ND	0.50						
Ethylbenzene	5	µg/L	ND	1.0	ND	2.5	ND	2.5	ND	2.5	480	40	110	25	300	25	310	25	ND	2.5	ND	2.5	ND	1.0	ND	1.0	ND	2.5	ND	2.5						
Toluene	5	µg/L	ND	1.0	ND	2.5	ND	2.5	ND	2.5	91	40	22	J	25	62	25	64	25	ND	2.5	ND	2.5	ND	1.0	ND	1.0	ND	2.5	ND	2.5					
Xylenes, Total	5	µg/L	ND	2.0	ND	2.5	ND	2.5	ND	2.5	800	80	230	25	580	25	600	25	ND	2.5	ND	2.5	ND	2.0	ND	2.0	ND	2.5	ND	2.5						
PAHs																																				
Acenaphthene	20	µg/L	ND	0.53	ND	0.10	0.02	J	0.10	ND	0.10	13	2.5	5	1.00	7.0	0.10	7.2	0.10	ND	0.10	ND	0.10	ND	0.48	ND	0.49	ND	0.10	ND	0.10					
Acenaphthylene	NS	µg/L	ND	0.32	0.07	J	0.10	0.11	0.10	ND	0.10	64	1.5	35	1.00	35	0.10	37	0.10	ND	0.10	ND	0.10	ND	0.29	ND	0.29	ND	0.10	ND	0.10					
Anthracene	50	µg/L	ND	0.53	0.08	J	0.10	0.13	0.10	ND	0.10	6.3	2.5	3.2	1.00	3.6	0.10	3.9	0.10	ND	0.10	ND	0.10	ND	0.48	ND	0.49	ND	0.10	ND	0.10					
Benzo(a)anthracene	0.002	µg/L	ND	0.49	0.11	0.10	0.18	0.10	ND	0.10	ND	2.5	0.45	J	1.00	0.07	J	0.10	0.09	J	0.10	0.03	J	0.10	0.16	0.10	ND	0.48	ND	0.49	0.03	J	0.10	ND	0.10	
Benzo(a)pyrene	ND	µg/L	ND	0.49	0.14	0.10	0.24	0.10	ND	0.10	ND	2.5	0.25	J	1.00	0.06	J	0.10	0.07	J	0.10	0.04	J	0.10	0.39	0.10	ND	0.48	ND	0.49	ND	0.10	ND	0.10		
Benzo(b)fluoranthene	0.002	µg/L	ND	0.49	0.11	0.10	0.18	0.10	ND	0.10	ND	2.5	0.20	J	1.00	0.04	J	0.10	0.06	J	0.10	0.07	J	0.10	0.61	0.10	ND	0.48	ND	0.49	0.01	J	0.10	ND	0.10	
Benzo(k)fluoranthene	0.002	µg/L	ND	0.49	0.03	J	0.10	0.05	J	0.10	ND	2.5	0.09	J	1.00	ND	0.10	ND	0.10	0.03	J	0.10	0.23	0.10	ND	0.48	ND	0.49	ND	0.10	ND	0.10	ND	0.10		
Benzo(ghi)perylene	NS	µg/L	ND	0.49	0.07	J	0.10	0.12	0.10	ND	0.10	ND	2.5	ND	1.00	ND	0.10	0.04	J	0.10	0.05	J	0.10	0.39	0.10	ND	0.48	ND	0.49	ND	0.10	ND	0.10	0.10		
Chrysene	0.002	µg/L	ND	0.49	0.09	J	0.10	0.15	0.10	ND	0.10	ND	2.5	0.23	J	1.00	0.05	J	0.10	0.05	J	0.10	0.05	J	0.10	0.43	0.10	ND	0.48	ND	0.49	0.01	J	0.10	ND	0.10
Dibenzo(a,h)anthracene	NS	µg/L	ND	0.53	0.01	J	0.10	0.02	J	0.10	ND	0.10	ND	2.5	ND	1.00	ND	0.10	ND	0.10	ND	0.10	0.07	J	0.10	ND	0.48	ND	0.49	ND	0.10	ND	0.10	0.10		
Fluoranthene	50	µg/L	ND	0.53	0.15	0.10	0.26	0.10	ND	0.10	2.5	2.5	1.7	1.00	1.6	0.10	1.6	0.10	0.10	0.10	1.0	0.10	1.0	0.10	ND	0.48	ND	0.49	0.03	J	0.10	ND	0.10	0.10		
Fluorene	50	µg/L	ND	0.53	0.04	J	0.10	0.08	J	0.10	ND	0.10	17	2.5	8	1.00	9.5	0.10	10	0.10	ND	0.10	0.03	J	0.10	ND	0.48	ND	0.49	ND	0.10	ND	0.10	0.10		
Indeno(1,2,3-cd) pyrene	0.002	µg/L	ND	0.49	0.06	J	0.10	0.09	J	0.10	ND	0.10	ND	2.5	ND	1.00	ND	0.10	ND	0.10	0.05	J	0.10	0.37	0.10	ND	0.48	ND	0.49	0.05	J	0.10	ND	0.10	0.10	
Naphthalene	10	µg/L	0.67	J	1.1	0.47	0.1	0.56	0.10	0.05	J	0.10	2,600	400	1,400	5.0	860	2.00	860	2.00	ND	0.10	0.44	0.10	ND	0.95	ND	0.97	ND	0.10	0.05	J	0.10	0.10		
Phenanthrene	50	µg/L	ND	0.21	0.24	0.10	0.39	0.10	ND	0.10	23	1.0	8.4	1.00	13	0.10	14	0.10	0.04	J	0.10	0.37	0.10	ND	0.19	ND	0.19	0.04	J	0.10	ND	0.10	0.10			
Pyrene	50	µg/L	ND	0.53	0.22	0.10	0.37	0.10	ND	0.10	2.2	J	2.5	1.6	1.00	1.3	0.10	1.4	0.10	ND	0.10	0.76	0.10	ND	0.48	ND	0.49	0.08	J	0.10	ND	0.10	0.10			
2-Chloronaphthalene	10	µg/L	NT	NT	ND	0.20	ND	0.20	ND	0.20	NT	NT	ND	2.00	ND	0.20	ND	0.20	ND	0.20	ND	0.20	NT	NT	NT	NT	ND	0.20	ND	0.10	0.10	0.10	0.10			
2-Methylnaphthalene	NS	µg/L	NT	NT	0.09	J	0.10	0.13	0.10	ND	0.10	NT	NT	74	1.00	89	2.00	87	2.00	ND	0.10	0.06	J	0.10	NT	NT	NT	NT	ND	0.10	ND	0.10	0.10			
Cyanide																																				
Cyanide, Total	0.2	mg/L	ND	0.010	0.003	J	0.005	ND	0.005	ND	0.005	0.083	0.010	2.05	0.025	0.083	0.005	0.086	0.005	0.001	J	0.005	ND	0.005	ND	0.010	ND	0.010	0.237	0.005	ND	0.005	0.005			

- Notes:
- µg/L = micrograms per liter
 - mg/L = milligrams per liter
 - "NS" = no standard, "ND" = non-detect, and "NT" = not tested
 - Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) Ambient Water Quality Standards and Groundwater Effluent Limitations, June 1998.
 - Bold Sample result** = compound was detected.
 - Gray shading indicates the sample result is above the TOGS 1.1.1 Standards, Criteria and Guidance Value.**
 - "J" is a laboratory data qualifier indicating "Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value"
 - "F1" is a laboratory data qualifier indicating "MS and/or MSD recovery exceeds control limits"
 - "F2" is a laboratory data qualifier indicating "MS/MSD RPD exceeds control limits"

Figures

FIGURE 1



NEW YORK STATE ELECTRIC & GAS CORPORATION
JACKSON STREET FORMER MGP SITE
PENN YAN, NEW YORK

SITE LOCATION



MAY 2025



FIGURE 2



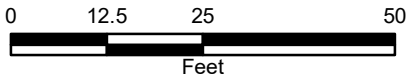
LEGEND

-  MONITORING WELL
-  INFERRED GROUNDWATER ELEVATION CONTOUR
-  INFERRED GROUNDWATER FLOW DIRECTION

- NOTES:
- 1. BASEMAP ADAPTED FROM SITE MANAGEMENT PLAN, FIGURE 1B.
 - 2. GROUNDWATER ELEVATION MEASURED AUGUST 20, 2024 IN FEET (NAVD 88).
 - 3. ALL LOCATIONS ARE APPROXIMATE.
 - 4. MW-2D AND MW4D GROUNDWATER ELEVATIONS EXCLUDED FROM INTERPOLATION.

NEW YORK STATE
ELECTRIC & GAS
CORPORATION
JACKSON STREET
FORMER MGP SITE
PENN YAN, NEW YORK

AUGUST 2024
GROUNDWATER ELEVATION
CONTOURS



MAY 2025

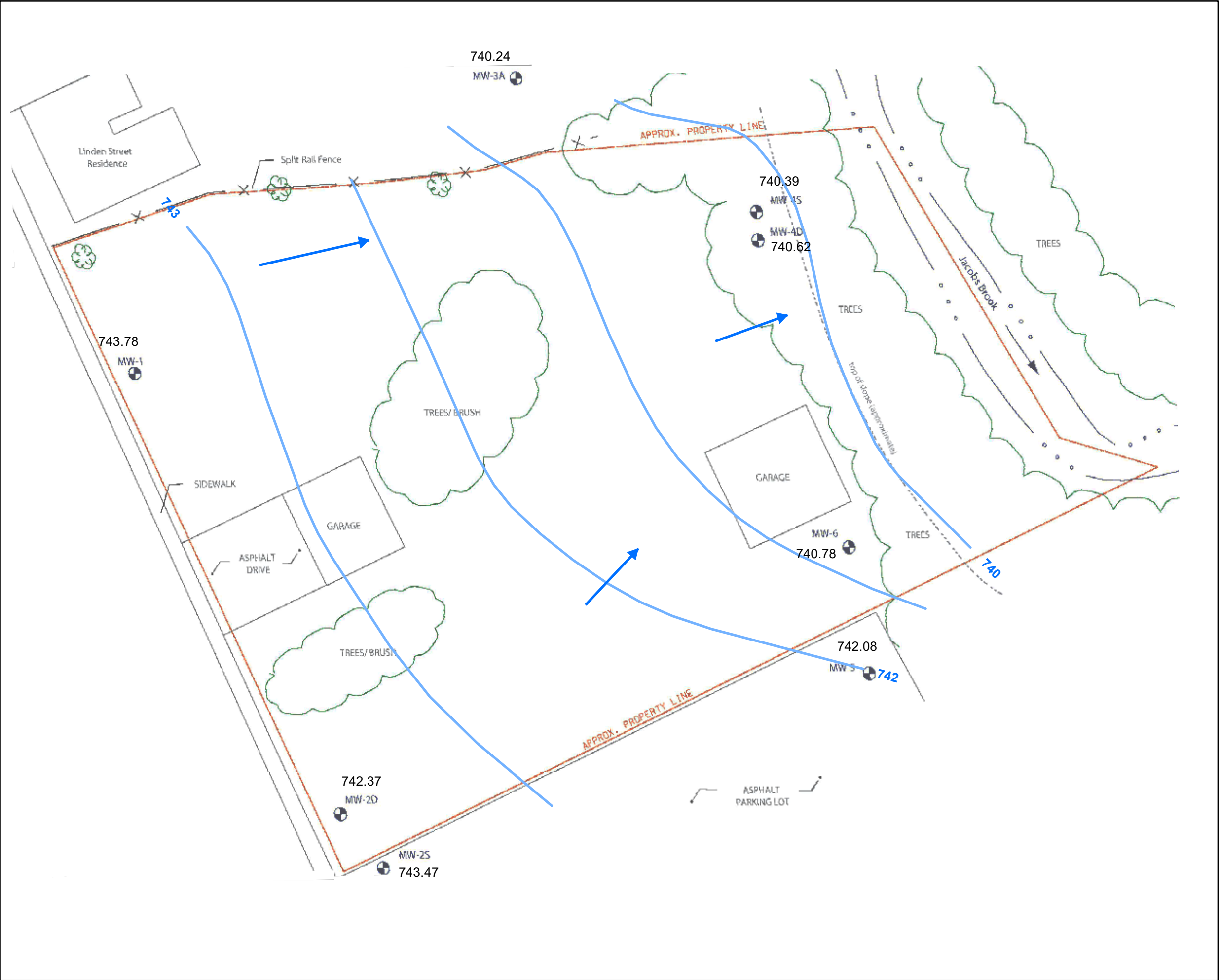


FIGURE 3



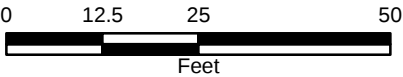
LEGEND

MONITORING WELL

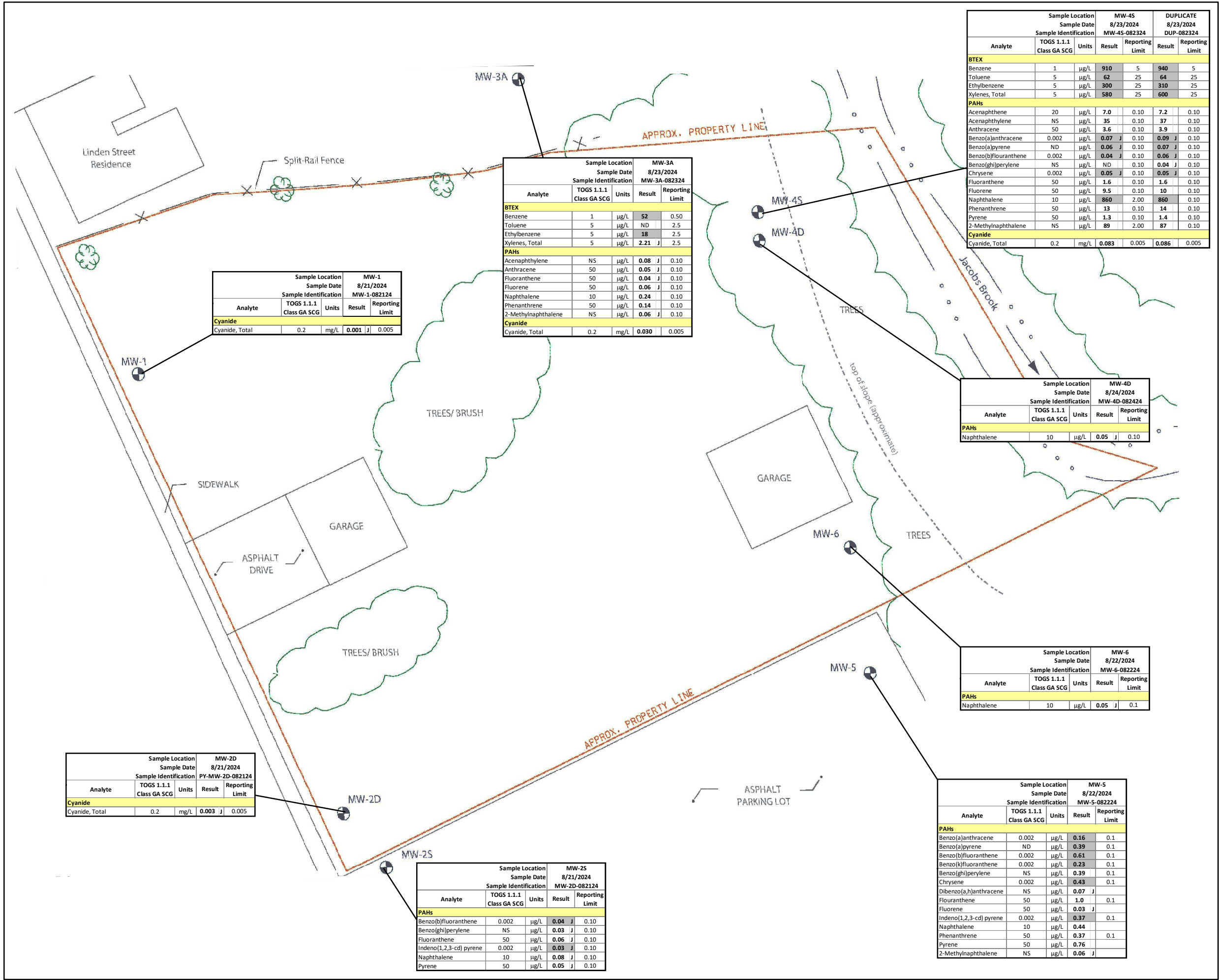
- NOTES:
- 1. BASEMAP ADAPTED FROM SITE MANAGEMENT PLAN, FIGURE 1B.
 - 2. ONLY ANALYTICAL DETECTIONS ARE DEPICTED.
 - 3. ALL LOCATIONS ARE APPROXIMATE.

NEW YORK STATE
ELECTRIC & GAS
CORPORATION
JACKSON STREET
FORMER MGP SITE
PENN YAN, NEW YORK

AUGUST 2024
ANALYTICAL DETECTIONS
IN GROUNDWATER



MAY 2025



Attachment 1
Groundwater Sampling Logs



Low Flow Ground Water Sampling Log

Well information:

Start Purge Time: 10:40

End Purge Time: 11:35

water sample:

Time collected: 11:40

Total volume of purged water removed: 1.5 gal ±

Physical appearance at start

Physical appearance at sampling

Color Clear

Color Clear

Odor ND

Odor **NO**

Sheen/Free Product **NONE**

Sheen/Free Product None

PY-MW-1-082124

Analytical Parameters:

lowflowlog

Low Flow Ground Water Sampling Log

Well information:

Start Purge Time: 13:00

End Purge Time: 1340

Total volume of purged water removed: 2.5 gal $\pm$

Physical appearance at sampling

Color clear
Odor none
Free Product none

PY- MW-2D-082124

Container Size	Container Type	# Collected	Field Filtered		Container pH

Low Flow Ground Water Sampling Log

Well information:

Start Purge Time: 1445

End Purge Time: 1525

Total volume of purged water removed:

Physical appearance at sampling

Sheen/Free Product

Py-MW-25-082124

Container Size	Container Type	# Collected	Field Filtered		Container pH

Low Flow Ground Water Sampling Log

Well information:

Start Purge Time: 1030

End Purge Time: 11 05

water sample:

Time collected: 1110

Total volume of purged water removed: 2 gal ±

Physical appearance at start

Physical appearance at sampling

Color *CLAR*

Color *Red* ✓

Odor None

Odor None

Sheen/Free Product **NONO**

Sheen/Free Product None

Py-MW-6-082224

Analytical Parameters:lowflowlog

Low Flow Ground Water Sampling Log

Well information:

Start Purge Time: 11:35

End Purge Time: ~~12:10~~ 12:05

Total volume of purged water removed: 2 ± gal

Physical appearance at sampling

Color Clear

Odor none

Sheen/Free Product none

PY- MW-5- 082224

Analytical Parameters:lowflowlog

Low Flow Ground Water Sampling Log

Well information:

Start Purge Time: 1235

End Purge Time: 1305

Total volume of purged water removed: 2± gal

Physical appearance at sampling

Color	<u>Clear</u>
Odor	<u>None</u>
Sheen/Free Product	<u>none</u>

PL-MW-4D-082224

Container Size	Container Type	# Collected	Field Filtered		Container pH

Low Flow Ground Water Sampling Log

Weather 65 sunny

Well # mn - 45

Project #

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il

* Measurements taken from

X

Top of Well Casing

NAPL? NO

Low Flow Ground Water Sampling Log

Well information:

Start Purge Time: 10:00

End Purge Time: 1035

Total volume of purged water removed: 2 ± gal

Physical appearance at sampling

Color Clear
Odor Petrol

Sheen/Free Product None

4 "PY-MW-3A-082324"

Container Size	Container Type	# Collected	• Field Filtered		Container pH

Exhibit A

Groundwater Laboratory Reports and Chain of Custody Forms





ANALYTICAL REPORT

Lab Number:	L2448347
Client:	Neu-Velle, LLC 10 Jones Avenue Rochester, NY 14608
ATTN:	Logan Reid
Phone:	(585) 478-3167
Project Name:	RGG PENN YAN MGP
Project Number:	Not Specified
Report Date:	08/30/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2448347-01	PY_MW-1-082124	WATER	PENN YAN	08/21/24 11:40	08/23/24
L2448347-02	PY_MW-2D-082124	WATER	PENN YAN	08/21/24 13:45	08/23/24
L2448347-03	PY_EB-082124	WATER	PENN YAN	08/21/24 14:30	08/23/24
L2448347-04	PY_MW-2S-082124	WATER	PENN YAN	08/21/24 15:30	08/23/24
L2448347-05	PY_MW-6-082224	WATER	PENN YAN	08/22/24 11:10	08/23/24
L2448347-06	PY_MW-5-082224	WATER	PENN YAN	08/22/24 12:10	08/23/24
L2448347-07	PY_MW-4D-082224	WATER	PENN YAN	08/22/24 13:10	08/23/24
L2448347-08	PY_MW-4S-082324	WATER	PENN YAN	08/23/24 09:25	08/23/24
L2448347-09	PY_MW-3A-082324	WATER	PENN YAN	08/23/24 10:40	08/23/24
L2448347-10	TRIP BLANK	WATER	PENN YAN	08/23/24 00:00	08/23/24
L2448347-11	PY-DUP-082324	WATER	PENN YAN	08/23/24 00:00	08/23/24

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2448347-10: The analyses performed were specified by the client.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 08/30/24

ORGANICS

VOLATILES

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-01
Client ID: PY_MW-1-082124
Sample Location: PENN YAN

Date Collected: 08/21/24 11:40
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/26/24 14:13
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	107		70-130

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-02
Client ID: PY_MW-2D-082124
Sample Location: PENN YAN

Date Collected: 08/21/24 13:45
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/26/24 14:39
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	108		70-130

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-03
 Client ID: PY_EB-082124
 Sample Location: PENN YAN

Date Collected: 08/21/24 14:30
 Date Received: 08/23/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 08/26/24 15:06
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	107		70-130

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-04
Client ID: PY_MW-2S-082124
Sample Location: PENN YAN

Date Collected: 08/21/24 15:30
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/26/24 15:32
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	110		70-130

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-05
Client ID: PY_MW-6-082224
Sample Location: PENN YAN

Date Collected: 08/22/24 11:10
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/26/24 15:58
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	113		70-130

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-06
Client ID: PY_MW-5-082224
Sample Location: PENN YAN

Date Collected: 08/22/24 12:10
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/26/24 16:24
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	112		70-130

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-07
Client ID: PY_MW-4D-082224
Sample Location: PENN YAN

Date Collected: 08/22/24 13:10
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/26/24 16:50
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	112		70-130

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-08 D
 Client ID: PY_MW-4S-082324
 Sample Location: PENN YAN

Date Collected: 08/23/24 09:25
 Date Received: 08/23/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 08/26/24 17:42
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	910		ug/l	5.0	1.6	10
Toluene	62		ug/l	25	7.0	10
Ethylbenzene	300		ug/l	25	7.0	10
p/m-Xylene	340		ug/l	25	7.0	10
o-Xylene	240		ug/l	25	7.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	103		70-130

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-09
Client ID: PY_MW-3A-082324
Sample Location: PENN YAN

Date Collected: 08/23/24 10:40
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/26/24 17:16
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	52		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	18		ug/l	2.5	0.70	1
p/m-Xylene	0.81	J	ug/l	2.5	0.70	1
o-Xylene	1.4	J	ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	104		70-130

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-10
Client ID: TRIP BLANK
Sample Location: PENN YAN

Date Collected: 08/23/24 00:00
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/26/24 13:47
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	105		70-130

Project Name: RGG PENN YAN MGP**Lab Number:** L2448347**Project Number:** Not Specified**Report Date:** 08/30/24**SAMPLE RESULTS**

Lab ID: L2448347-11 D

Date Collected: 08/23/24 00:00

Client ID: PY-DUP-082324

Date Received: 08/23/24

Sample Location: PENN YAN

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 08/26/24 18:08

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	940		ug/l	5.0	1.6	10
Toluene	64		ug/l	25	7.0	10
Ethylbenzene	310		ug/l	25	7.0	10
p/m-Xylene	360		ug/l	25	7.0	10
o-Xylene	240		ug/l	25	7.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	100		70-130

Project Name: RGG PENN YAN MGP

Lab Number: L2448347

Project Number: Not Specified

Report Date: 08/30/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D

Analytical Date: 08/26/24 09:26

Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG1964306-5					
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RGG PENN YAN MGP

Project Number: Not Specified

Lab Number: L2448347

Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1964306-3 WG1964306-4								
Benzene	92		110		70-130	18		20
Toluene	85		100		70-130	16		20
Ethylbenzene	83		100		70-130	19		20
p/m-Xylene	90		110		70-130	20		20
o-Xylene	90		110		70-130	20		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		102		70-130
Toluene-d8	95		94		70-130
4-Bromofluorobenzene	96		94		70-130
Dibromofluoromethane	103		102		70-130

Matrix Spike Analysis**Batch Quality Control****Project Name:** RGG PENN YAN MGP**Project Number:** Not Specified**Lab Number:** L2448347**Report Date:** 08/30/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab PY_MW-2D-082124 Associated sample(s): 01-11 QC Batch ID: WG1964306-6 WG1964306-7 QC Sample: L2448347-02 Client ID:												
Benzene	ND	10	11	110		11	110		70-130	0		20
Toluene	ND	10	9.7	97		10	100		70-130	3		20
Ethylbenzene	ND	10	9.4	94		9.9	99		70-130	5		20
p/m-Xylene	ND	20	21	105		22	110		70-130	5		20
o-Xylene	ND	20	20	100		22	110		70-130	10		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		102		70-130
4-Bromofluorobenzene	92		92		70-130
Dibromofluoromethane	104		103		70-130
Toluene-d8	92		93		70-130

SEMIVOLATILES

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-01
Client ID: PY_MW-1-082124
Sample Location: PENN YAN

Date Collected: 08/21/24 11:40
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/28/24 13:15
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 08/27/24 12:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	70		15-120
4-Terphenyl-d14	80		41-149

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-02
Client ID: PY_MW-2D-082124
Sample Location: PENN YAN

Date Collected: 08/21/24 13:45
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/29/24 16:34
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/28/24 07:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	63		15-120
4-Terphenyl-d14	72		41-149

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-03
Client ID: PY_EB-082124
Sample Location: PENN YAN

Date Collected: 08/21/24 14:30
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/29/24 16:50
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/28/24 07:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Naphthalene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	60		15-120
4-Terphenyl-d14	71		41-149

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-04
Client ID: PY_MW-2S-082124
Sample Location: PENN YAN

Date Collected: 08/21/24 15:30
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/29/24 17:06
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/28/24 07:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.06	J	ug/l	0.10	0.03	1
Naphthalene	0.08	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.04	J	ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	0.03	J	ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	0.03	J	ug/l	0.10	0.02	1
Pyrene	0.05	J	ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	68		15-120
4-Terphenyl-d14	77		41-149

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-05
Client ID: PY_MW-6-082224
Sample Location: PENN YAN

Date Collected: 08/22/24 11:10
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/30/24 04:28
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/29/24 07:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Naphthalene	0.05	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	64		15-120
4-Terphenyl-d14	76		41-149

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-06
Client ID: PY_MW-5-082224
Sample Location: PENN YAN

Date Collected: 08/22/24 12:10
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/30/24 04:44
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/29/24 07:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	1.0		ug/l	0.10	0.03	1
Naphthalene	0.44		ug/l	0.10	0.02	1
Benzo(a)anthracene	0.16		ug/l	0.10	0.03	1
Benzo(a)pyrene	0.39		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.61		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	0.23		ug/l	0.10	0.03	1
Chrysene	0.43		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	0.39		ug/l	0.10	0.02	1
Fluorene	0.03	J	ug/l	0.10	0.03	1
Phenanthrene	0.37		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	0.07	J	ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	0.37		ug/l	0.10	0.02	1
Pyrene	0.76		ug/l	0.10	0.04	1
2-Methylnaphthalene	0.06	J	ug/l	0.10	0.03	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	63		15-120
4-Terphenyl-d14	68		41-149

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-07
Client ID: PY_MW-4D-082224
Sample Location: PENN YAN

Date Collected: 08/22/24 13:10
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/30/24 05:00
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/29/24 07:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Naphthalene	0.05	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	68		15-120
4-Terphenyl-d14	81		41-149

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-08
Client ID: PY_MW-4S-082324
Sample Location: PENN YAN

Date Collected: 08/23/24 09:25
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/30/24 05:48
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/29/24 07:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	7.0		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	1.6		ug/l	0.10	0.03	1
Naphthalene	210	E	ug/l	0.10	0.02	1
Benzo(a)anthracene	0.07	J	ug/l	0.10	0.03	1
Benzo(a)pyrene	0.06	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.04	J	ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	0.05	J	ug/l	0.10	0.03	1
Acenaphthylene	35		ug/l	0.10	0.02	1
Anthracene	3.6		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	9.5		ug/l	0.10	0.03	1
Phenanthrene	13		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	1.3		ug/l	0.10	0.04	1
2-Methylnaphthalene	70	E	ug/l	0.10	0.03	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	57		15-120
4-Terphenyl-d14	59		41-149

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-08 D
Client ID: PY_MW-4S-082324
Sample Location: PENN YAN

Date Collected: 08/23/24 09:25
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/30/24 14:42
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/29/24 07:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS-SIM - Westborough Lab

Naphthalene	860		ug/l	2.0	0.49	20
2-Methylnaphthalene	89		ug/l	2.0	0.55	20

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-09
Client ID: PY_MW-3A-082324
Sample Location: PENN YAN

Date Collected: 08/23/24 10:40
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/30/24 05:17
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/29/24 07:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.04	J	ug/l	0.10	0.03	1
Naphthalene	0.24		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	0.08	J	ug/l	0.10	0.02	1
Anthracene	0.05	J	ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	0.06	J	ug/l	0.10	0.03	1
Phenanthrene	0.14		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	0.06	J	ug/l	0.10	0.03	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	63		15-120
4-Terphenyl-d14	75		41-149

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-11
Client ID: PY-DUP-082324
Sample Location: PENN YAN

Date Collected: 08/23/24 00:00
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/30/24 05:33
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/29/24 07:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	7.2		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	1.6		ug/l	0.10	0.03	1
Naphthalene	230	E	ug/l	0.10	0.02	1
Benzo(a)anthracene	0.09	J	ug/l	0.10	0.03	1
Benzo(a)pyrene	0.07	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.06	J	ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	0.05	J	ug/l	0.10	0.03	1
Acenaphthylene	37		ug/l	0.10	0.02	1
Anthracene	3.9		ug/l	0.10	0.02	1
Benzo(ghi)perylene	0.04	J	ug/l	0.10	0.02	1
Fluorene	10		ug/l	0.10	0.03	1
Phenanthrene	14		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	1.4		ug/l	0.10	0.04	1
2-Methylnaphthalene	76	E	ug/l	0.10	0.03	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	66		15-120
4-Terphenyl-d14	76		41-149

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-11 D
Client ID: PY-DUP-082324
Sample Location: PENN YAN

Date Collected: 08/23/24 00:00
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/30/24 14:58
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/29/24 07:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS-SIM - Westborough Lab

Naphthalene	860		ug/l	2.0	0.49	20
2-Methylnaphthalene	87		ug/l	2.0	0.55	20

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/28/24 11:23
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 08/27/24 12:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG1964432-1					
Acenaphthene	ND		ug/l	0.10	0.02
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Naphthalene	ND		ug/l	0.10	0.02
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.03

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	68		15-120
4-Terphenyl-d14	84		41-149

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/30/24 03:23
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/29/24 07:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05-09,11 Batch: WG1965391-1					
Acenaphthene	ND		ug/l	0.10	0.02
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Naphthalene	0.04	J	ug/l	0.10	0.02
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	0.05	J	ug/l	0.10	0.03
Phenanthrene	0.05	J	ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.03

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	60		15-120
4-Terphenyl-d14	75		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: RGG PENN YAN MGP

Project Number: Not Specified

Lab Number: L2448347

Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG1964432-2 WG1964432-3								
Acenaphthene	84		81		40-140	4		40
2-Chloronaphthalene	73		71		40-140	3		40
Fluoranthene	89		86		40-140	3		40
Naphthalene	75		72		40-140	4		40
Benzo(a)anthracene	81		80		40-140	1		40
Benzo(a)pyrene	94		92		40-140	2		40
Benzo(b)fluoranthene	91		89		40-140	2		40
Benzo(k)fluoranthene	89		87		40-140	2		40
Chrysene	87		82		40-140	6		40
Acenaphthylene	79		77		40-140	3		40
Anthracene	90		88		40-140	2		40
Benzo(ghi)perylene	90		88		40-140	2		40
Fluorene	83		80		40-140	4		40
Phenanthrene	85		82		40-140	4		40
Dibenzo(a,h)anthracene	97		94		40-140	3		40
Indeno(1,2,3-cd)pyrene	100		97		40-140	3		40
Pyrene	88		86		40-140	2		40
2-Methylnaphthalene	82		80		40-140	2		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: RGG PENN YAN MGP

Lab Number: L2448347

Project Number: Not Specified

Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG1964432-2 WG1964432-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	100		98		23-120
2-Fluorobiphenyl	69		68		15-120
4-Terphenyl-d14	86		85		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: RGG PENN YAN MGP

Project Number: Not Specified

Lab Number: L2448347

Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05-09,11 Batch: WG1965391-2 WG1965391-3								
Acenaphthene	66		59		40-140	11		40
2-Chloronaphthalene	60		52		40-140	14		40
Fluoranthene	69		68		40-140	1		40
Naphthalene	60		52		40-140	14		40
Benzo(a)anthracene	63		61		40-140	3		40
Benzo(a)pyrene	71		72		40-140	1		40
Benzo(b)fluoranthene	69		70		40-140	1		40
Benzo(k)fluoranthene	64		65		40-140	2		40
Chrysene	64		65		40-140	2		40
Acenaphthylene	65		58		40-140	11		40
Anthracene	71		69		40-140	3		40
Benzo(ghi)perylene	70		70		40-140	0		40
Fluorene	66		62		40-140	6		40
Phenanthrene	66		64		40-140	3		40
Dibenzo(a,h)anthracene	73		73		40-140	0		40
Indeno(1,2,3-cd)pyrene	76		76		40-140	0		40
Pyrene	70		69		40-140	1		40
2-Methylnaphthalene	65		56		40-140	15		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: RGG PENN YAN MGP

Lab Number: L2448347

Project Number: Not Specified

Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05-09,11 Batch: WG1965391-2 WG1965391-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	99		84		23-120
2-Fluorobiphenyl	65		56		15-120
4-Terphenyl-d14	81		80		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: RGG PENN YAN MGP

Project Number: Not Specified

Lab Number: L2448347

Report Date: 08/30/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1964432-4 WG1964432-5 QC Sample: L2448347-02 Client ID: PY_MW-2D-082124												
Acenaphthene	ND	20	13	65		12	60		40-140	8		40
2-Chloronaphthalene	ND	20	12	60		11	55		40-140	9		40
Fluoranthene	ND	20	14	70		14	70		40-140	0		40
Naphthalene	ND	20	12	60		11	55		40-140	9		40
Benzo(a)anthracene	ND	20	13	65		13	65		40-140	0		40
Benzo(a)pyrene	ND	20	15	75		14	70		40-140	7		40
Benzo(b)fluoranthene	ND	20	14	70		14	70		40-140	0		40
Benzo(k)fluoranthene	ND	20	13	65		13	65		40-140	0		40
Chrysene	ND	20	14	70		13	65		40-140	7		40
Acenaphthylene	ND	20	13	65		13	65		40-140	0		40
Anthracene	ND	20	14	70		14	70		40-140	0		40
Benzo(ghi)perylene	ND	20	16	80		15	75		40-140	6		40
Fluorene	ND	20	14	70		13	65		40-140	7		40
Phenanthrene	ND	20	14	70		13	65		40-140	7		40
Dibenzo(a,h)anthracene	ND	20	17	85		15	75		40-140	13		40
Indeno(1,2,3-cd)pyrene	ND	20	17	85		16	80		40-140	6		40
Pyrene	ND	20	14	70		14	70		40-140	0		40
2-Methylnaphthalene	ND	20	13	65		12	60		40-140	8		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2-Fluorobiphenyl	56		55		15-120
4-Terphenyl-d14	66		65		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1964432-4 WG1964432-5 QC Sample: L2448347-02 Client ID: PY_MW-2D-082124												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Nitrobenzene-d5	86		83		23-120



INORGANICS & MISCELLANEOUS

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-01
Client ID: PY_MW-1-082124
Sample Location: PENN YAN

Date Collected: 08/21/24 11:40
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.001	J	mg/l	0.005	0.001	1	08/30/24 10:35	08/30/24 14:41	1,9010C/9012B	JER



Project Name: RGG PENN YAN MGP**Project Number:** Not Specified**Lab Number:** L2448347**Report Date:** 08/30/24**SAMPLE RESULTS****Lab ID:** L2448347-02**Client ID:** PY_MW-2D-082124**Sample Location:** PENN YAN**Date Collected:** 08/21/24 13:45**Date Received:** 08/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	08/29/24 12:20	08/29/24 16:12	1,9010C/9012B	JER



Project Name: RGG PENN YAN MGP**Project Number:** Not Specified**Lab Number:** L2448347**Report Date:** 08/30/24**SAMPLE RESULTS****Lab ID:** L2448347-03**Client ID:** PY_EB-082124**Sample Location:** PENN YAN**Date Collected:** 08/21/24 14:30**Date Received:** 08/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/29/24 12:20	08/29/24 16:15	1,9010C/9012B	JER



Project Name: RGG PENN YAN MGP**Project Number:** Not Specified**Lab Number:** L2448347**Report Date:** 08/30/24**SAMPLE RESULTS****Lab ID:** L2448347-04**Client ID:** PY_MW-2S-082124**Sample Location:** PENN YAN**Date Collected:** 08/21/24 15:30**Date Received:** 08/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/30/24 10:35	08/30/24 14:46	1,9010C/9012B	JER



Project Name: RGG PENN YAN MGP**Project Number:** Not Specified**Lab Number:** L2448347**Report Date:** 08/30/24**SAMPLE RESULTS****Lab ID:** L2448347-05**Client ID:** PY_MW-6-082224**Sample Location:** PENN YAN**Date Collected:** 08/22/24 11:10**Date Received:** 08/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/30/24 10:35	08/30/24 14:47	1,9010C/9012B	JER



Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-06
Client ID: PY_MW-5-082224
Sample Location: PENN YAN

Date Collected: 08/22/24 12:10
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/30/24 10:35	08/30/24 14:48	1,9010C/9012B	JER



Project Name: RGG PENN YAN MGP**Project Number:** Not Specified**Lab Number:** L2448347**Report Date:** 08/30/24**SAMPLE RESULTS****Lab ID:** L2448347-07**Client ID:** PY_MW-4D-082224**Sample Location:** PENN YAN**Date Collected:** 08/22/24 13:10**Date Received:** 08/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/30/24 10:35	08/30/24 14:49	1,9010C/9012B	JER



Project Name: RGG PENN YAN MGP**Project Number:** Not Specified**Lab Number:** L2448347**Report Date:** 08/30/24**SAMPLE RESULTS****Lab ID:** L2448347-08**Client ID:** PY_MW-4S-082324**Sample Location:** PENN YAN**Date Collected:** 08/23/24 09:25**Date Received:** 08/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.083		mg/l	0.005	0.001	1	08/30/24 10:35	08/30/24 14:50	1,9010C/9012B	JER



Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2448347-09
Client ID: PY_MW-3A-082324
Sample Location: PENN YAN

Date Collected: 08/23/24 10:40
Date Received: 08/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.030		mg/l	0.005	0.001	1	08/30/24 10:35	08/30/24 14:51	1,9010C/9012B	JER



Project Name: RGG PENN YAN MGP**Project Number:** Not Specified**Lab Number:** L2448347**Report Date:** 08/30/24**SAMPLE RESULTS****Lab ID:** L2448347-11**Client ID:** PY-DUP-082324**Sample Location:** PENN YAN**Date Collected:** 08/23/24 00:00**Date Received:** 08/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.086		mg/l	0.005	0.001	1	08/30/24 10:35	08/30/24 14:52	1,9010C/9012B	JER



Project Name: RGG PENN YAN MGP**Lab Number:** L2448347**Project Number:** Not Specified**Report Date:** 08/30/24**Method Blank Analysis**
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 02-03 Batch: WG1965524-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/29/24 12:20	08/29/24 15:50	1,9010C/9012B	JER
General Chemistry - Westborough Lab for sample(s): 01,04-09,11 Batch: WG1965970-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/30/24 10:35	08/30/24 14:37	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: RGG PENN YAN MGP

Project Number: Not Specified

Lab Number: L2448347

Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-03 Batch: WG1965524-2 WG1965524-3								
Cyanide, Total	107		105		85-115	2		20
General Chemistry - Westborough Lab Associated sample(s): 01,04-09,11 Batch: WG1965970-2 WG1965970-3								
Cyanide, Total	94		89		85-115	5		20

Matrix Spike Analysis

Batch Quality Control

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-03 QC Batch ID: WG1965524-4 WG1965524-5 QC Sample: L2448344-06 Client ID: MS Sample												
Cyanide, Total	0.002J	0.2	0.217	108		0.212	106		80-120	3		20
General Chemistry - Westborough Lab Associated sample(s): 02-03 QC Batch ID: WG1965524-6 WG1965524-7 QC Sample: L2448347-02 Client ID: PY_MW-2D-082124												
Cyanide, Total	0.003J	0.2	0.219	110		0.217	108		80-120	1		20
General Chemistry - Westborough Lab Associated sample(s): 01,04-09,11 QC Batch ID: WG1965970-4 WG1965970-5 QC Sample: L2448347-01 Client ID: PY_MW-1-082124												
Cyanide, Total	0.001J	0.2	0.192	96		0.196	98		80-120	2		20

Project Name: RGG PENN YAN MGP**Lab Number:** L2448347**Project Number:** Not Specified**Report Date:** 08/30/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2448347-01A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-01B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-01C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-01D	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-01E	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-01F	Plastic 250ml NaOH preserved	A	>12	>12	3.7	Y	Absent		TCN-9010(14)
L2448347-02A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-02A1	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-02A2	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-02B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-02B1	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-02B2	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-02C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-02C1	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-02C2	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-02D	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-02D1	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-02D2	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-02E	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-02E1	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-02E2	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-02F	Plastic 250ml NaOH preserved	A	>12	>12	3.7	Y	Absent		TCN-9010(14)
L2448347-02F1	Plastic 250ml NaOH preserved	A	>12	>12	3.7	Y	Absent		TCN-9010(14)

Project Name: RGG PENN YAN MGP**Lab Number:** L2448347**Project Number:** Not Specified**Report Date:** 08/30/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2448347-02F2	Plastic 250ml NaOH preserved	A	>12	>12	3.7	Y	Absent		TCN-9010(14)
L2448347-03A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-03B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-03C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-03D	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-03E	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-03F	Plastic 250ml NaOH preserved	A	>12	>12	3.7	Y	Absent		TCN-9010(14)
L2448347-04A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-04B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-04C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-04D	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-04E	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-04F	Plastic 250ml NaOH preserved	A	>12	>12	3.7	Y	Absent		TCN-9010(14)
L2448347-05A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-05B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-05C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-05D	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-05E	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-05F	Plastic 250ml NaOH preserved	A	>12	>12	3.7	Y	Absent		TCN-9010(14)
L2448347-06A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-06B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-06C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-06D	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-06E	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-06F	Plastic 250ml NaOH preserved	A	>12	>12	3.7	Y	Absent		TCN-9010(14)
L2448347-07A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-07B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-07C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Serial_No:08302417:25
Lab Number: L2448347
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2448347-07D	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-07E	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-07F	Plastic 250ml NaOH preserved	A	>12	>12	3.7	Y	Absent		TCN-9010(14)
L2448347-08A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-08B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-08C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-08D	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-08E	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-08F	Plastic 250ml NaOH preserved	A	>12	>12	3.7	Y	Absent		TCN-9010(14)
L2448347-09A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-09B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-09C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-09D	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-09E	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-09F	Plastic 250ml NaOH preserved	A	>12	>12	3.7	Y	Absent		TCN-9010(14)
L2448347-10A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-10B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-11A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-11B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-11C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-BTEX(14)
L2448347-11D	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-11E	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-PAHSIM-RVT(7)
L2448347-11F	Plastic 250ml NaOH preserved	A	>12	>12	3.7	Y	Absent		TCN-9010(14)

Project Name: RGG PENN YAN MGP**Lab Number:** L2448347**Project Number:** Not Specified**Report Date:** 08/30/24

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: RGG PENN YAN MGP
Project Number: Not Specified

Lab Number: L2448347
Report Date: 08/30/24

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page _____ of _____		Date Rec'd in Lab <u>8/24/24</u>		ALPHA Job # <u>10448347</u>																																																																																																																																																																																																																																																																				
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: <u>266 Penn Yan MGP</u> Project Location: <u>Penn Yan</u> Project # _____ (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO # _____																																																																																																																																																																																																																																																																				
Client Information Client: <u>New-velle</u> Address: <u>10 Jones Ave</u> <u>Rockledge NY</u> Phone: _____ Fax: _____ Email: <u>avothfuss@New-velle.com</u>		Project Manager: <u>Logan Reid</u> <u>lreid@new-velle.com</u> ALPHAQuote #: _____ Turn-Around Time Standard ☒ Due Date: _____ Rush (only if pre approved) ☐ # of Days: _____		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:																																																																																																																																																																																																																																																																						
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Please specify Metals or TAL.				<table border="1"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th colspan="10"></th> </tr> <tr> <th>Date</th> <th>Time</th> <th colspan="10"></th> </tr> </thead> <tbody> <tr> <td>48347</td> <td>01 PY-MW-1-082124</td> <td>8/21/24</td> <td>1140</td> <td>GW</td> <td>ACR</td> <td>B-KK 8260</td> <td>PAH 8270</td> <td>TCN 9012</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td>02 PY-MW-2D-082124</td> <td>8/21/24</td> <td>1345</td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td>03 PY-GB-082124</td> <td>8/21/24</td> <td>1430</td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td>04 PY-MW-2S-082124</td> <td>8/21/24</td> <td>1530</td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td>05 PY-MW-6-082224</td> <td>8/22/24</td> <td>1110</td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td>06 PY-MW-5-082224</td> <td>8/22/24</td> <td>1210</td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td>07 PY-MW-4D-082224</td> <td>8/22/24</td> <td>1310</td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td>08 PY-MW-4S-082324</td> <td>8/23/24</td> <td>0925</td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td>09 PY-MW-3A-082324</td> <td>8/23/24</td> <td>1040</td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td>10 TRIP Blank</td> <td></td> <td></td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td>11 PY-DUP-082324</td> <td>8/23/24</td> <td></td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table>				ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials											Date	Time											48347	01 PY-MW-1-082124	8/21/24	1140	GW	ACR	B-KK 8260	PAH 8270	TCN 9012														02 PY-MW-2D-082124	8/21/24	1345																			03 PY-GB-082124	8/21/24	1430																			04 PY-MW-2S-082124	8/21/24	1530																			05 PY-MW-6-082224	8/22/24	1110																			06 PY-MW-5-082224	8/22/24	1210																			07 PY-MW-4D-082224	8/22/24	1310																			08 PY-MW-4S-082324	8/23/24	0925																			09 PY-MW-3A-082324	8/23/24	1040																			10 TRIP Blank																					11 PY-DUP-082324	8/23/24																			Sample Specific Comments	
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