NEU-VELLE LLC

October 31, 2023

Mr. Michael Squire
New York State Department of Environmental Conservation
Division of Environmental Remediation, 11th Floor
625 Broadway
Albany, New York 12233

Re: Second Post-Remediation Groundwater Sampling Report – May 2023
NYSEG Newark Former MGP Site
Corner of Main Street and West Shore Boulevard
Village of Newark, Wayne County, New York
NYSDEC Site No. 859021

Dear Mr. Squire:

This report presents the findings of the second (2nd) post-remediation groundwater sampling event completed at the New York State Electric & Gas Corporation (NYSEG) Newark Former Manufactured Gas Plant (MGP) site [New State Department of Environmental Conservation (NYSDEC) Site No. 859021], located at the corner of Main Street and West Shore Boulevard in the Village of Newark, Wayne County, New York (referred to herein as the "Site"). This groundwater sampling event was completed by NEU-VELLE, LLC (NEU-VELLE) personnel in coordination with NYSEG, pending the adoption of a Site Management Plan (SMP) for the Site.

SCOPE OF WORK

Synoptic Water Levels

On May 24th through May 26th, 2023, groundwater levels was collected from the seven (7) existing monitoring wells on and around the Site. The locations of the monitoring wells are depicted on the Site Plan provided as **Figure 1**. Each well was also 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 Site-wide round of groundwater level measurements is summarized in **Table 1** and inferred groundwater elevation contours are presented on **Figure 2.**

Groundwater Sampling

On May 24th through May 26th, 2023, groundwater samples were collected from the seven (7) existing monitoring wells on and around the Site. Groundwater samples were collected using low-flow methods.

Prior to initiating low-flow purging, field personnel donned new nitrile gloves, and care was taken to avoid introducing contaminants into the groundwater monitoring wells. Low-flow purging was conducted using a decontaminated, stainless steel bladder pump equipped with a polyethylene bladder and polyethylene tubing. A new, clean bladder and new, clean tubing were used at each groundwater monitoring well. During purging, 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 1**.

Collection of Laboratory Samples

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

- volatile organic compounds (VOCs), BTEX (benzene, toluene, ethylbenzene, and xylene) only, in accordance with USEPA Method 8260C;
- semi-volatile organic compounds (SVOCs), polycyclic aromatic hydrocarbons (PAHs) only, in accordance with USEPA Method 8270D; and
- total cyanide in accordance with USEPA Method 335.4.

Copies of the chain of custody forms are included in **Attachment 2**. Quality Assurance/Quality Control (QA/QC) samples, including one (1) equipment blank sample, one (1) field duplicate sample (collected at MW-10-01), one (1) trip blank, and matrix spike/matrix spike duplicate (MS/MSD) samples were collected.

Reporting of Results

Copies of the laboratory analytical reports are presented in **Attachment 2,** and the analytical results are summarized in **Table 2** of this report. **Table 2** also summarizes analytical data for the field duplicate QA/QC sample collected during this sampling event.

Waste Disposal

Purged groundwater and decontamination water were containerized in a 55-gallon, polyethylene drum that was labeled and staged at the Site. This wastewater will subsequently be properly disposed, with disposal documentation to be submitted to the NYSDEC under separate cover.

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:

- no BTEX compounds were reported in the groundwater samples collected during this sampling event;
- several PAHs were detected in the groundwater samples collected from monitoring wells MW-10-04, MW-10-01, MW-3A, MW-11-05, MW-1A, and MW-22-01, although many were estimated concentrations below the reporting limit ("J" qualifiers).
    - The MW-10-04 sample detected twelve (12) PAHs: anthracene (0.09 J micrograms per liter [µg/L] or parts per billion [ppb]), benzo(g,h,i)perylene (2.6 µg/L), dibenz(a,h)anthracene (0.36 µg/L), fluoranthene (2.3 µg/L), phenanthrene (0.44 µg/L), and pyrene (1.9 µg/L) were detected at concentrations below their respective TOGS 1.1.1, Class GA SCGs and benzo(a)anthracene (0.58 µg/L), benzo(a)pyrene (1.8 µg/L), benzo(b)fluoranthene (3.7 µg/L), benzo(k)fluoranthene (0.85 µg/L), chrysene (1.7 µg/L), and indeno(1,2,3-cd)pyrene (2.4 µg/L) were detected at concentrations above their respective TOGS 1.1.1, Class GA SCGs. Note, one (1) of these PAHs ("J" qualifiers) was an estimated value below the laboratory reporting limit.
    - The MW-10-01 sample detected ten (10) PAHs: benzo(g,h,i)perylene (0.11 µg/L), fluoranthene (0.12 µg/L), phenanthrene (0.07 J µg/L), and pyrene (0.1 µg/L) were detected at concentrations below their respective TOGS 1.1.1, Class GA SCGs and benzo(a)anthracene (0.06 J µg/L), benzo(a)pyrene (0.10 µg/L), benzo(b)fluoranthene (0.15 µg/L), benzo(k)fluoranthene (0.05 J µg/L), chrysene (0.08 J µg/L), and indeno(1,2,3-cd)pyrene (0.10 µg/L) were detected at concentrations above their respective TOGS 1.1.1, Class GA SCGs. Note, four (4) of these PAHs ("J" qualifiers) were estimated values below the laboratory reporting limits.
    - The MW-3A sample detected one (1) PAH, fluoranthene (0.02 J µg/L), below the reporting limit and below its TOGS 1.1.1, Class GA SCG (50 µg/L).
    - The MW-11-05 sample detected one (1) PAH, phenanthrene (0.03 J µg/L), below the reporting limit and below its TOGS 1.1.1, Class GA SCG (50 µg/L).
    - The MW-1A sample detected ten (10) PAHs: benzo(g,h,i)perylene (0.21 µg/L), dibenz(a,h)anthracene (0.03 J µg/L), fluoranthene (0.20 µg/L), and pyrene (0.17 µg/L) were detected at concentrations below their respective TOGS 1.1.1, Class GA SCGs and benzo(a)anthracene (0.06 J µg/L), benzo(a)pyrene (0.14 µg/L), benzo(b)fluoranthene (0.25 µg/L), benzo(k)fluoranthene (0.06 J µg/L), chrysene (0.13 µg/L), and indeno(1,2,3-cd)pyrene (0.18 µg/L) were detected at concentrations above their respective TOGS 1.1.1, Class GA SCGs. Note, three (3) of

these PAHs ("J" qualifiers) were estimated values below the laboratory reporting limits.

- The MW-22-01 sample detected seven (7) PAHs: fluoranthene (0.04 J µg/L), phenanthrene (0.03 J µg/L), and pyrene (0.07 J µg/L) were detected at concentrations below their respective TOGS 1.1.1, Class GA SCGs and benzo(b)fluoranthene (0.01 J µg/L), benzo(k)fluoranthene (0.01 J µg/L), chrysene (0.04 J µg/L), and indeno(1,2,3-cd)pyrene (0.18 µg/L) were detected at concentrations above their respective TOGS 1.1.1, Class GA SCGs. Note, six (6) of these PAHs ("J" qualifiers) were estimated values below the laboratory reporting limits.; and

- total cyanide was detected in four (4) groundwater samples collected from monitoring wells MW-3A (0.004 J milligrams per liter or mg/L), MW-11-05 (0.008 mg/L), MW-1A (0.002 J mg/L), and MW-22-01 (0.026 mg/L), which are below 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, and similar PAHs and total cyanide concentrations were reported between the "parent sample" and the field duplicate sample collected at MW-10-01;
- no detections of BTEX were reported in the "equipment blank" sample. Five (5) PAHs (benzo(b)fluoranthene, chrysene, fluoranthene, naphthalene, and 2-methylnaphthalene) were detected below the reporting limit and given estimated values. Total cyanide was also detected below the reporting limit and given an estimated value of 0.003 J mg/L; and
- no detections of BTEX compounds were reported in the "trip blank" sample.

Groundwater Mapping

A groundwater elevation contour map was prepared based upon the water levels measured on May 24th through May 26th, 2023, in the seven (7) groundwater monitoring wells at the Site. The groundwater elevation in the new/replacement groundwater monitoring well (MW-22-01) is an approximation, as the elevation of this well head has not been formally surveyed/measured yet. This groundwater elevation contour map is provided as **Figure 2**, and the inferred groundwater flow direction is interpreted to be toward the center of the Site with a possible overall area flow to the northeast, which appears consistent with historic depictions groundwater flow at the Site (i.e., as depicted in the Remedial Investigation Report). It appears that groundwater flow may still be influenced by a former stream (Military Brook) that had been filled in prior to the hotel construction, as depicted on **Figure 2**.

CONCLUSIONS

This report presents the results of the second post-remediation groundwater sampling event completed at the NYSEG Newark Former MGP site (NYSDEC Site No. 859021).

No BTEX compounds were reported in the groundwater samples collected during this sampling event.

Low-level PAH detections were reported across the Site, including upgradient (hydraulically) of the former MGP Site in both the south (MW-10-04 and MW-1A) and west (MW-1A) directions. These compounds were not previously detected in these monitoring wells and are likely attributed to the lower detection limits achieved by the laboratory used during this sampling event. These concentrations may therefore represent historic and background concentrations for this urban area.

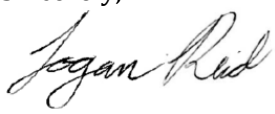
Low-level cyanide detections were reported in monitoring wells both adjacent to the former MGP Site (MW-22-01 and MW-11-05) and hydraulically upgradient (MW-3A and MW-1A). Each of these detections are below the TOGS 1.1.1, Class GA SCG for total cyanide (0.2 mg/L).

The cause of the low-level detections of PAHs and cyanide in the "equipment blank" sample collected as part of the QA/QC samples is not apparent. Equipment decontamination procedures were followed for resusable equipment (e.g., stainless steel pump) and new disposal supplies (e.g., polyethylene bladder, tubing) were used for each well. Two of the PAHs detected in the equipment blank (2-methylnaphthalene and naphthalene) were not detected in any of the other groundwater samples. Each of the detected compounds were estimated values below the laboratory reporting limits.

NYSEG anticipates continuing the groundwater sampling at semi-annual frequency (spring and fall) for the first three (3) years following remediation, pending the final approval of the SMP. Results from these semi-annual sampling events will be reviewed with the NYSDEC to evaluate the scope of future sampling. The next groundwater sampling event will be fall 2023.

Please feel free to contact me at (585) 478-3167 or lreid@neu-velle.com with any questions you may have regarding this letter report, or contact Mr. Jeremy Wolf, NYSEG's Project Manager for the Site, at (585) 500-8392.

Sincerely,



Logan Reid
NEU-VELLE LLC

cc: Jeremy Wolf – NYSEG

Attachments:

Figure 1 – Site Plan

Figure 2 – Groundwater Elevation Contours

Figure 3 – Analytical Detections in Groundwater

Table 1 – Monitoring Well Reference Data and Groundwater Measurements

Table 2 – Analytical Detections in Groundwater

Attachment 1 – Groundwater Sample Logs

Attachment 2 – Groundwater Laboratory Reports and Chain of Custody Forms

Figures

NEU-VELLE LLC

C:\Users\LoganReid\Neu-Velle LLC\Public - Documents_Clients\RG&E\Newark\Docs\DWG\MXD\SMP2_Newark_Site_Plan_ICs.mxd

FIGURE 1

N

LEGEND

- MONITORING WELL (ACTIVE)
- PROPERTY LINES/ROW
- APPROXIMATE FORMER MGP SITE
- HISTORIC MGP INFRASTRUCTURE
- SOIL REMOVAL AREA (WITH DEPTHS)
- INSTITUTIONAL CONTROL BOUNDARY

NEW YORK STATE ELECTRIC & GAS CORPORATION
NEWARK FORMER MGP SITE
NYSDEC SITE NO. 8-59-021
NEWARK, NEW YORK

SITE PLAN AND INSTITUTIONAL CONTROL BOUNDARIES

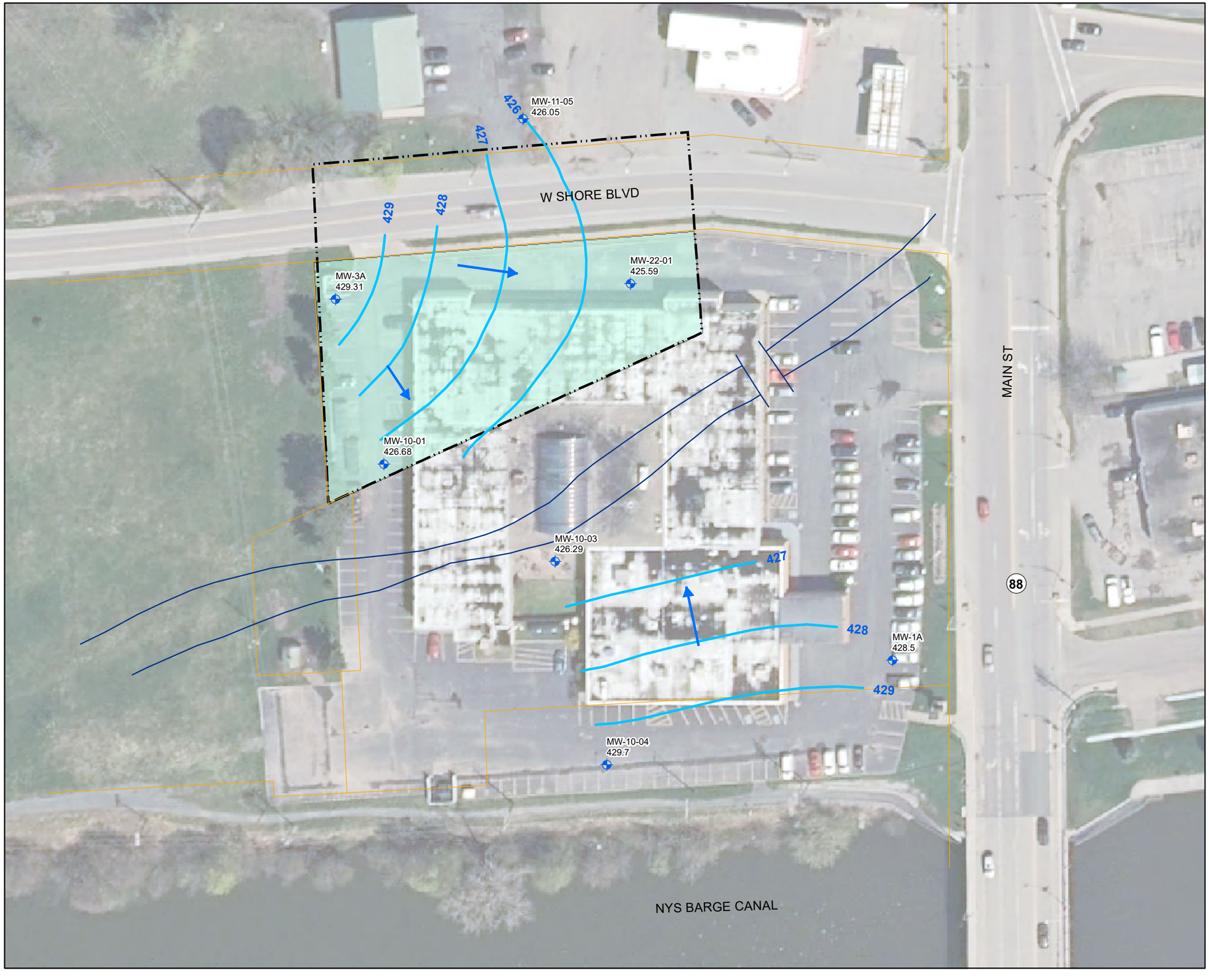
0 30 60 120
Feet

OCTOBER 2023

NEU-VELLE LLC

101 WEST SHORE BLVD
AREA A1 - 9-FT
AREA A2 - 3-FT
AREA B - 15' - 20' FT
MW-11-05
MW-22-01
MW-3A
MW-10-01
MW-10-03
MW-10-04
MW-1A
WEST SHORE BLVD. (60.00' WIDE)
NO PARKING ANY TIME
CONC PAD /WD FENCE
ASPHALT
2 STORY MOTEL "NEWARK GARDEN HOTEL"
NEWARK HOTELS, INC. (REPUTED OWNER) AREA=2.763± ACRES INST.NO. 9172289 TAX NO. 68111-18-318101
MJB PROPERTY HOLDINGS, LLC (REPUTED OWNER) INST. NO. 9107869 INST. NO. 9129604 TAX NO. 68111-18-270101
FND 5/8" REBAR
SATELLITE DISH
NEW YORK STATE ELECTRIC & GAS CORP. (REPUTED OWNER) L.269 P.251 TAX NO. 68111-18-297095 NO NUMBER
1 STORY BRICK
FLOOD LIGHT
6' PRIVACY FENCE
1 STORY
CANOPY
CONC WITH TRANSFORMER
BOLLS
7' STOCKADE FENCE
NYSEG 880
GUY
883 NYSEG 132 40A
82 NYSEG 133 576 505
ADOPT A TRAIL
NYSEG 130A
NYSEG 131
GRAVEL CANAL PATH
OLD METAL RAILING
PARK RULES
GABIAN WALL
STOP BAR
CROSS WALK
PED
LS/BUSH
MULCHED PLANTING BED
GRAVEL WITH PERENNIALS
NO STOPPING ANY TIME
BRICK PLANTER WITH LARGE NEWARK GARDEN HOTEL SIGN
STEPS
NORTH MAIN STREET (N.Y.S. ROUTE 88) (66.00' WIDE)

FIGURE 2



N

LEGEND

- MONITORING WELL (SAMPLED)
- FORMER LOCATION OF MILITARY BROOK
- PROPERTY LINES/ROW
- APPROXIMATE FORMER MGP BOUNDARY
- INSTITUTIONAL CONTROL BOUNDARY

NOTES:
1. AERIAL IMAGERY PROVIDED BY NYS GIS CLEARINGHOUSE, IMAGERY DATE SPRING 2018.
2. GROUNDWATER ELEVATIONS MEASURED ON MAY 24, 25 AND 26, 2023.

NEW YORK STATE ELECTRIC & GAS CORPORATION
NEWARK FORMER MGP SITE
NYSDEC SITE NO. 8-59-021
NEWARK, NEW YORK

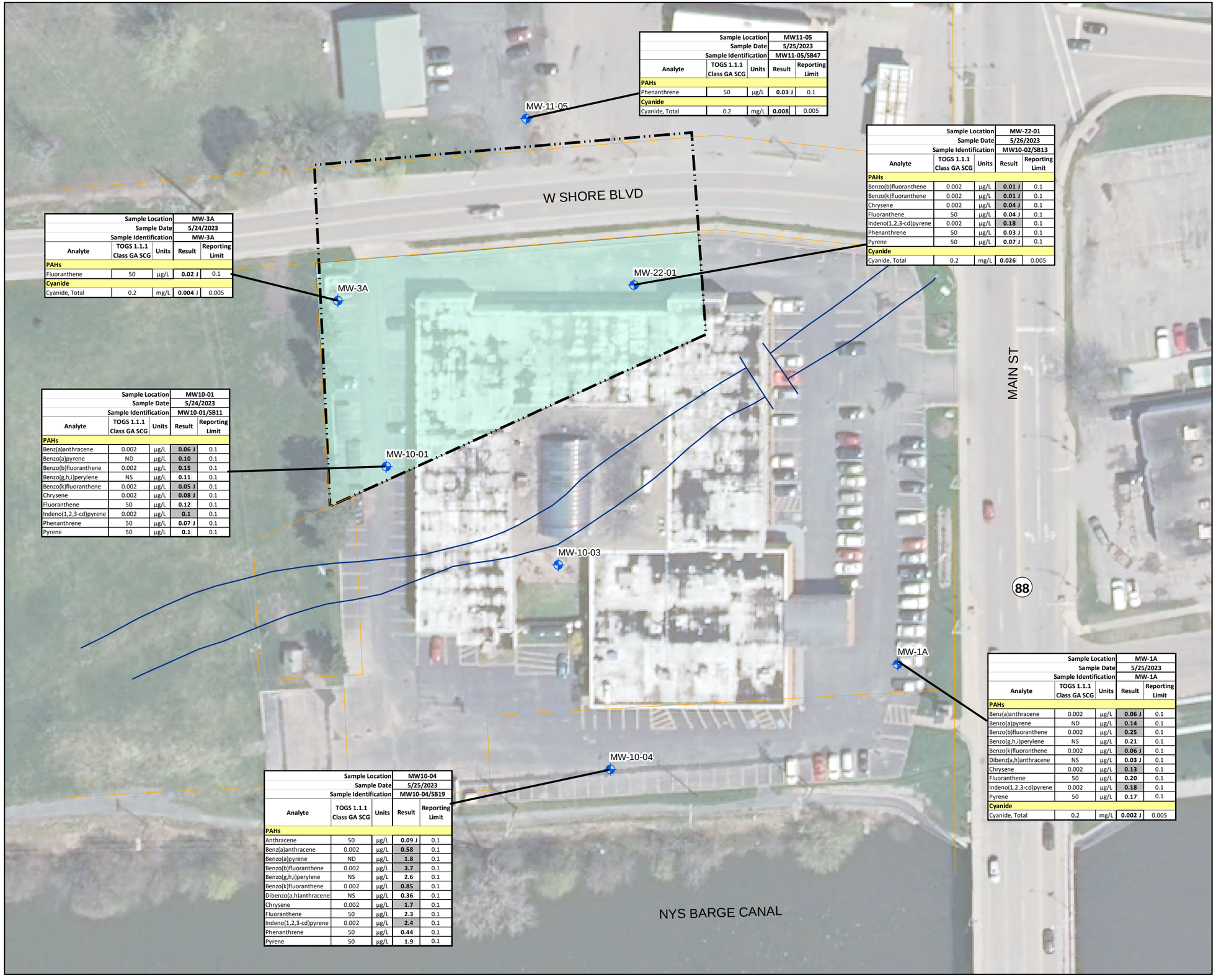
GROUNDWATER ELEVATION CONTOURS MAY 2023

0 30 60 120
Feet

OCTOBER 2023

NEU-VELLE LLC

FIGURE 3



	Sample Location	MW11-05
	Sample Date	5/25/2023
	Sample Identification	MW11-05/SB47

Analyte	TOGS 1.1.1 Class GA SCG	Units	Result	Reporting Limit
PAHs				
Phenanthrene	50	µg/L	**0.03 J**	0.1
Cyanide				
Cyanide, Total	0.2	mg/L	**0.008**	0.005

	Sample Location	MW-3A
	Sample Date	5/24/2023
	Sample Identification	MW-3A

Analyte	TOGS 1.1.1 Class GA SCG	Units	Result	Reporting Limit
PAHs				
Fluoranthene	50	µg/L	**0.02 J**	0.1
Cyanide				
Cyanide, Total	0.2	mg/L	**0.004** J	0.005

	Sample Location	MW-22-01
	Sample Date	5/26/2023
	Sample Identification	MW10-02/SB13

Analyte	TOGS 1.1.1 Class GA SCG	Units	Result	Reporting Limit
PAHs				
Benzo(b)fluoranthene	0.002	µg/L	**0.01 J**	0.1
Benzo(k)fluoranthene	0.002	µg/L	**0.01 J**	0.1
Chrysene	0.002	µg/L	**0.04 J**	0.1
Fluoranthene	50	µg/L	**0.04 J**	0.1
Indeno(1,2,3-cd)pyrene	0.002	µg/L	**0.18**	0.1
Phenanthrene	50	µg/L	**0.03 J**	0.1
Pyrene	50	µg/L	**0.07 J**	0.1
Cyanide				
Cyanide, Total	0.2	mg/L	**0.026**	0.005

	Sample Location	MW10-01
	Sample Date	5/24/2023
	Sample Identification	MW10-01/SB11

Analyte	TOGS 1.1.1 Class GA SCG	Units	Result	Reporting Limit
PAHs				
Benz(a)anthracene	0.002	µg/L	**0.06 J**	0.1
Benzo(a)pyrene	ND	µg/L	**0.10**	0.1
Benzo(b)fluoranthene	0.002	µg/L	**0.15**	0.1
Benzo(g,h,i)perylene	NS	µg/L	**0.11**	0.1
Benzo(k)fluoranthene	0.002	µg/L	**0.05 J**	0.1
Chrysene	0.002	µg/L	**0.08 J**	0.1
Fluoranthene	50	µg/L	**0.12**	0.1
Indeno(1,2,3-cd)pyrene	0.002	µg/L	**0.1**	0.1
Phenanthrene	50	µg/L	**0.07 J**	0.1
Pyrene	50	µg/L	**0.1**	0.1

	Sample Location	MW-1A
	Sample Date	5/25/2023
	Sample Identification	MW-1A

Analyte	TOGS 1.1.1 Class GA SCG	Units	Result	Reporting Limit
PAHs				
Benz(a)anthracene	0.002	µg/L	**0.06 J**	0.1
Benzo(a)pyrene	ND	µg/L	**0.14**	0.1
Benzo(b)fluoranthene	0.002	µg/L	**0.25**	0.1
Benzo(g,h,i)perylene	NS	µg/L	**0.21**	0.1
Benzo(k)fluoranthene	0.002	µg/L	**0.06 J**	0.1
Dibenz(a,h)anthracene	NS	µg/L	**0.03 J**	0.1
Chrysene	0.002	µg/L	**0.13**	0.1
Fluoranthene	50	µg/L	**0.20**	0.1
Indeno(1,2,3-cd)pyrene	0.002	µg/L	**0.18**	0.1
Pyrene	50	µg/L	**0.17**	0.1
Cyanide				
Cyanide, Total	0.2	mg/L	**0.002 J**	0.005

	Sample Location	MW10-04
	Sample Date	5/25/2023
	Sample Identification	MW10-04/SB19

Analyte	TOGS 1.1.1 Class GA SCG	Units	Result	Reporting Limit
PAHs				
Anthracene	50	µg/L	**0.09 J**	0.1
Benz(a)anthracene	0.002	µg/L	**0.58**	0.1
Benzo(a)pyrene	ND	µg/L	**1.8**	0.1
Benzo(b)fluoranthene	0.002	µg/L	**3.7**	0.1
Benzo(g,h,i)perylene	NS	µg/L	**2.6**	0.1
Benzo(k)fluoranthene	0.002	µg/L	**0.85**	0.1
Dibenzo(a,h)anthracene	NS	µg/L	**0.36**	0.1
Chrysene	0.002	µg/L	**1.7**	0.1
Fluoranthene	50	µg/L	**2.3**	0.1
Indeno(1,2,3-cd)pyrene	0.002	µg/L	**2.4**	0.1
Phenanthrene	50	µg/L	**0.44**	0.1
Pyrene	50	µg/L	**1.9**	0.1

N

LEGEND

- MONITORING WELL (SAMPLED)
- FORMER LOCATION OF MILITARY BROOK
- PROPERTY LINES/ROW
- APPROXIMATE FORMER MGP BOUNDARY
- INSTITUTIONAL CONTROL BOUNDARY

NOTES:
1. AERIAL IMAGERY PROVIDED BY NYS GIS CLEARINGHOUSE, IMAGERY DATE SPRING 2018.

NEW YORK STATE ELECTRIC & GAS CORPORATION
NEWARK FORMER MGP SITE
NYSDEC SITE NO. 8-59-021
NEWARK, NEW YORK

ANALYTICAL DETECTIONS IN GROUNDWATER MAY 2023

0 30 60 120
Feet

OCTOBER 2023

NEU-VELLE LLC

Tables

NEU-VELLE LLC

Table 1
New York State Electric & Gas - Newark Former MGP Site, Newark, NY
NYSDEC Site No. 859021
Monitoring Well Reference Data and Groundwater Measurements

Well ID	Top of PVC Riser Elevation (Feet NAVD88)	Depth to Water (Feet below Top of PVC Riser)	Groundwater Elevation (Feet NAVD88)	Date Depth to Water was Measured
MW-10-01	440.88	14.2	426.68	5/24/2023
MW-22-01 (replacement for MW-10-02)	441.24	15.4	425.59	5/26/2023
MW-10-03	441.49	15.2	426.29	5/25/2023
MW-10-04	440.80	11.1	429.70	5/25/2023
MW-11-05	439.95	13.9	426.05	5/25/2023
MW-1A	441.10	12.6	428.50	5/26/2023
MW-3A	441.31	12.0	429.31	5/24/2023

Notes:

1. Top of PVC Riser Elevations obtained from Table 3 of Remedial Investigation Report (RIR) by ARCADIS, dated July 2012, except for MW-22-01 that was surveyed following the Remedial Action.
2. Depths to water measured by NEU-VELLE on date(s) indicated.
3. "Elevations given in feet Above Mean Sea Level (AMSL), 1988 North American Vertical Datum (NAVD)." per ARCADIS RIR.

Table 2
New York State Electric & Gas - Newark Former MGP Site, Newark, NY
NYSDEC Site No. 859021
Groundwater Sample Analytical Results

			Sampling Location		MW10-04		MW10-01		MW10-01				MW-3A		MW-3A		MW11-05		MW11-05	
			Sample ID		MW10-04/SB19		MW10/04-052523		MW10/01-052423		MW10-01/SB11		Dupe-052423		MW-3A		MW3A-052423		MW11-05/SB47		MW11/05-052623	
			Sample Date		6/23/2022		5/25/2023		6/24/2022		5/24/2023				6/24/2022		5/24/2023		6/24/2022		5/25/2023	
			Laboratory Identification		222996-01		2329862-05		223014-02		2329862-01		2329862-02		223014-03		2329862-03		223014-04		2329862-04	
Analyte	TOGS 1.1.1 Class GA 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
BTEX																				
Benzene	1	µg/L	ND	1.00	ND	0.50	ND	1.00	ND	0.50	ND	0.50	ND	1.00	ND	0.50	ND	1.00	ND	0.50
Toluene	5	µg/L	ND	2.00	ND	2.50	ND	2.00	ND	2.50	ND	2.50	ND	2.00	ND	2.50	ND	2.00	ND	2.50
Ethylbenzene	5	µg/L	ND	2.00	ND	2.50	ND	2.00	ND	2.50	ND	2.50	ND	2.00	ND	2.50	ND	2.00	ND	2.50
m,p-Xylene	5	µg/L	ND	2.00	ND	2.50	ND	2.00	ND	2.50	ND	2.50	ND	2.00	ND	2.50	ND	2.00	ND	2.50
o-Xylene		µg/L	ND	2.00	ND	2.50	ND	2.00	ND	2.50	ND	2.50	ND	2.00	ND	2.50	ND	2.00	ND	2.50
PAHs																				
2-Methylnaphthalene	NS	µg/L	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND	0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1
2-Chloronaphthalene	10	µg/L	NT		ND	0.2	NT		ND	0.2	ND	0.2	NT		ND	0.2	NT		ND	0.2
Acenaphthene	20	µg/L	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND	0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1
Acenaphthylene	NS	µg/L	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND	0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1
Anthracene	50	µg/L	ND	5.0	**0.09** J	0.1	ND	5.0	ND	0.1	ND	0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1
Benz(a)anthracene	0.002	µg/L	ND	5.0	**0.58**	0.1	ND	5.0	**0.06** J	0.1	**0.04** J	0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1
Benzo(a)pyrene	ND	µg/L	ND	10.0	**1.8**	0.1	ND	10.0	**0.1**	0.1	**0.08** J	0.1	ND	10.0	ND	0.1	ND	10.0	ND	0.1
Benzo(b)fluoranthene	0.002	µg/L	ND	10.0	**3.7**	0.1	ND	10.0	**0.15** J	0.1	**0.14**	0.1	ND	10.0	ND	0.1	ND	10.0	ND	0.1
Benzo(g,h,i)perylene	NS	µg/L	ND	10.0	**2.6**	0.1	ND	10.0	**0.11**	0.1	0.10	0.1	ND	10.0	ND	0.1	ND	10.0	ND	0.1
Benzo(k)fluoranthene	0.002	µg/L	ND	10.0	**0.85**	0.1	ND	10.0	**0.05** J	0.1	**0.04** J	0.1	ND	10.0	ND	0.1	ND	10.0	ND	0.1
Dibenz(a,h)anthracene	NS	µg/L	ND	5.0	**0.36**	0.1	ND	5.0	ND	0.1	ND	0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1
Dibenzofuran	NS	µg/L	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND	0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1
Chrysene	0.002	µg/L	ND	5.0	**1.7**	0.1	ND	5.0	**0.08** J	0.1	ND	0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1
Fluoranthene	50	µg/L	ND	5.0	**2.3**	0.1	ND	5.0	**0.12**	0.1	**0.11**	0.1	ND	5.0	**0.02** J	0.1	ND	5.0	ND	0.1
Fluorene	50	µg/L	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND	0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	5.0	**2.4**	0.1	ND	5.0	**0.1**	0.1	**0.10** J	0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1
Naphthalene	10	µg/L	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND	0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1
Phenanthrene	50	µg/L	ND	5.0	**0.44**	0.1	ND	5.0	**0.07** J	0.1	ND	0.1	ND	5.0	ND	0.1	ND	5.0	**0.03**	0.1
Pyrene	50	µg/L	ND	5.0	**1.9**	0.1	ND	5.0	**0.1**	0.1	**0.09** J	0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1
Cyanide																				
Cyanide, Total	0.2	mg/L	ND S	0.010	ND	0.005	ND S	0.010	ND	0.005	**0.002** J	0.005	ND S	0.010	**0.004** J	0.005	ND S	0.010	**0.008**	0.005

Notes:

1. µg/L = micrograms per liter
2. mg/L = milligrams per liter
3. NT = not tested, NS = No standard, and ND = non-detect
4. Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) Ambient Water Quality Standards and Groundwater Effluent Limitations, June 1998.
5. S is a laboratory data qualifier indicating "Laboratory Control Sample (LCS) Spike below accepted limits"
6. N is a laboratory data qualifier indicating "Matrix Spike below accepted limits"
7. **Bold Sample result** = compound was detected.
8. "MW-22-01" is a replacement of groundwater monitoring well "MW-10-02", which was destroyed during remedial activities.
6. **Gray shading indicates the sample result is above the TOGS 1.1.1 Standards, Criteria and Guidance Value.**
7. H is a laboratory data qualifier indicating "that the sample was analzyed outside of holding time."
8. J is a laboratory data qualifier indicating "Result estimated between the quantitation limit and half the quantitation limit."
9. M is a laboratory data qualifier indicating "Matrix spike recoveries outside QC limits. Matrix bias indicated."

NEU-VELLE LLC

Table 2
New York State Electric & Gas - Newark Former MGP Site, Newark, NY
NYSDEC Site No. 859021
Groundwater Sample Analytical Results

Sampling Location			MW-1A		MW-1A		MW-1A		MW10-03		MW 10-03		MW-22-01[8]		MW-22-01[8]		Equipment Blank			Equipment Blank		
Sample ID			MW-1A		MW1A-FIELD DUPLICATE		MW1A-052623		MW10-03/SB16		MW10/03-052523		MW-22-01		MW22/01-052623		Equipment Blank			Equipment Blank-052623		
Sample Date			6/23/2022				5/25/2023		6/24/2022		5/25/2023		7/8/2022		5/26/2023		6/24/2022			5/26/2023		
Laboratory Identification			222996-02		222996-03		2329862-07		223014-05		2329862-06		223239-01		2329862-08		223014-01			2329862-09		
Analyte	TOGS 1.1.1 Class GA 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
BTEX																						
Benzene	1	µg/L	ND	1.00	ND	1.00	ND	0.50	ND	1.00	ND	0.50	ND	1.00	ND	0.50	ND		1.00	ND		0.50
Toluene	5	µg/L	ND	2.00	ND	2.00	ND	2.50	ND	2.00	ND	2.50	ND	2.00	ND	2.50	ND		2.00	ND		2.50
Ethylbenzene	5	µg/L	ND	2.00	ND	2.00	ND	2.50	ND	2.00	ND	2.50	ND	2.00	ND	2.50	ND		2.00	ND		2.50
m,p-Xylene	5	µg/L	ND	2.00	ND	2.00	ND	2.50	ND	2.00	ND	2.50	ND	2.00	ND	2.50	ND		2.00	ND		2.50
o-Xylene		µg/L	ND	2.00	ND	2.00	ND	2.50	ND	2.00	ND	2.50	ND	2.00	ND	2.50	ND		2.00	ND		2.50
PAHs																						
2-Methylnaphthalene	NS	µg/L	ND	5.0	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND		5.0	**0.03**	**J**	0.1
2-Chloronaphthalene	10	µg/L	NT		NT		ND	0.2	NT		ND	0.2	NT		ND	0.2	ND		5.0	ND		0.2
Acenaphthene	20	µg/L	ND	5.0	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND		5.0	ND		0.1
Acenaphthylene	NS	µg/L	ND	5.0	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND		5.0	ND		0.1
Anthracene	50	µg/L	ND	5.0	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND		5.0	ND		0.1
Benz(a)anthracene	0.002	µg/L	ND	5.0	ND	5.0	**0.06**	**J** 0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND		10.0	ND		0.1
Benzo(a)pyrene	ND	µg/L	ND	10.0	ND	10.0	**0.14**	0.1	ND	10.0	ND	0.1	ND	10.0	ND	0.1	ND		10.0	ND		0.1
Benzo(b)fluoranthene	0.002	µg/L	ND	10.0	ND	10.0	**0.25**	0.1	ND	10.0	ND	0.1	ND	10.0	**0.01**	**J** 0.1	ND		10.0	**0.01**	**J**	0.1
Benzo(g,h,i)perylene	NS	µg/L	ND	10.0	ND	10.0	**0.21**	0.1	ND	10.0	ND	0.1	ND	10.0	ND	0.1	ND		10.0	ND		0.1
Benzo(k)fluoranthene	0.002	µg/L	ND	10.0	ND	10.0	**0.06**	**J** 0.1	ND	10.0	ND	0.1	ND	10.0	**0.01**	**J** 0.1	ND		5.0	ND		0.1
Dibenz(a,h)anthracene	NS	µg/L	ND	5.0	ND	5.0	**0.03**	**J** 0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND		5.0	ND		0.1
Dibenzofuran	NS	µg/L	ND	5.0	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND		5.0	ND		0.1
Chrysene	0.002	µg/L	ND	5.0	ND	5.0	**0.13**	0.1	ND	5.0	ND	0.1	ND	5.0	**0.04**	**J** 0.1	ND		5.0	**0.03**	**J**	0.1
Fluoranthene	50	µg/L	ND	5.0	ND	5.0	**0.20**	0.1	ND	5.0	ND	0.1	ND	5.0	**0.04**	**J** 0.1	ND		5.0	**0.02**	**J**	0.1
Fluorene	50	µg/L	ND	5.0	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND		5.0	ND		0.1
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	5.0	ND	5.0	**0.18**	0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND		10.0	ND		0.1
Naphthalene	10	µg/L	ND	5.0	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND		5.0	**0.07**	**J**	0.1
Phenanthrene	50	µg/L	ND	5.0	ND	5.0	ND	0.1	ND	5.0	ND	0.1	ND	5.0	**0.03**	**J** 0.1	ND		5.0	ND		0.1
Pyrene	50	µg/L	ND	5.0	ND	5.0	**0.17**	0.1	ND	5.0	ND	0.1	ND	5.0	**0.07**	**J** 0.1	ND		5.0	ND		0.1
Cyanide																						
Cyanide, Total	0.2	mg/L	ND	S,N 0.010	ND	S 0.010	**0.002**	J 0.005	ND	S 0.010	ND	0.005	**0.034**	0.010	**0.026**	0.005	ND	S	0.010	**0.003**	**J**	0.005

Notes:

1. µg/L = micrograms per liter
2. mg/L = milligrams per liter
3. NT = not tested, NS = No standard, and ND = non-detect
4. Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) Ambient Water Quality Standards and Groundwater Effluent Limitations, June 1998.
5. S is a laboratory data qualifier indicating "Laboratory Control Sample (LCS) Spike below accepted limits"
6. N is a laboratory data qualifier indicating "Matrix Spike below accepted limits"
7. **Bold Sample result** = compound was detected.
8. "MW-22-01" is a replacement of groundwater monitoring well "MW-10-02", which was destroyed during remedial activities.
6. **Gray shading indicates the sample result is above the TOGS 1.1.1 Standards, Criteria and Guidance Value.**
7. H is a laboratory data qualifier indicating "that the sample was analzyed outside of holding time."
8. J is a laboratory data qualifier indicating "Result estimated between the quantitation limit and half the quantitation limit."
9. M is a laboratory data qualifier indicating "Matrix spike recoveries outside QC limits. Matrix bias indicated."

NEU-VELLE LLC

Attachment 1

Groundwater Sampling Logs

NEU-VELLE LLC

NEU-VELLE

LOW FLOW GROUNDWATER SAMPLING LOG

Well ID: MW-10-01

NV Project No.
Project Name: NJSEG - Newark
Site Location: Newark, NJ
Client:
Project Manager

Date: 5/29/25
Coordinates:
Agency Site ID:
Completed By: JL + NL
Other NEU-VELLE Rep(s) On-Site:

EQUIPMENT

TYPE OF EQUIPMENT	MAKE	MODEL	ID #	NOTES

WELL INFORMATION

Riser Headspace: ppmV
Measurements Taken From: ☒ Top of Riser *[Height above surface = _____]* ☐ Top of Casing *[Height above surface = _____]* ☐ Other (Specify)
Measured Depth to Bottom: 20'
Depth to Water: 14.2'
Length of Water Column:
NAPL Present? ☐ Yes ☒ No Density: ☐ Light ☐ Dense Thickness:

PURGE START

Time: 12:10 Color: Clear Odor: None Sheen: None Free Product: None

TIME	FLOW RATE (mL/min)	DEPTH TO WATER (ft)	TEMPERATURE (°C)	pH	CONDUCTIVITY (µs/cm)	OXIDATION REDUCTION POTENTIAL (mv)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTU)	NOTES
12:15	200	~~11~~ 14.3	11.1	6.87	1.09	38	6.21	8.62	
20		14.3	10.9	6.86	1.02	85.8	6.60	4.48	
25		14.3	10.8	6.87	1.01	109.2	7.11	5.62	
30		14.3	10.8	6.89	1.00	120.5	6.86	3.96	
35		14.3	10.8	6.88	1.01	127.8	6.78	3.72	
40		14.3	10.9	6.89	1.01	131.6	7.00	3.02	
45		14.3	10.9	6.88	1.01	136.4	6.96	2.67	

PURGE END

Time: 12:45 Color: Clear Odor: None Sheen: None Free Product: None
Total Volume Purged:

SAMPLING

Time: 12:50 Color: " Odor: " Sheen: " Free Product: "

LABORATORY CONTAINERS

# Collected	Volume	Container Type	Preservative	Field Filtered?

COMMENTS/NOTES (Weather, Limiting Factors/Conditions, etc.):

NEU-VELLE

LOW FLOW GROUNDWATER SAMPLING LOG

Well ID: MW - 3A

NV Project No.
Project Name: NYSEG - Newark
Site Location: Newark, NY
Client:
Project Manager

Date: 5/25/23
Coordinates:
Agency Site ID:
Completed By: JCNL
Other NEU-VELLE Rep(s) On-Site:

EQUIPMENT

TYPE OF EQUIPMENT	MAKE	MODEL	ID #	NOTES

WELL INFORMATION

Riser Headspace: ppmV
Measurements Taken From: ☐ Top of Riser [Height above surface = _____] ☒ Top of Casing [Height above surface = 5'] ☐ Other (Specify)
Measured Depth to Bottom: 20.3
Depth to Water: 12.0
Length of Water Column: 8
NAPL Present? ☐ Yes ☐ No Density: ☐ Light ☐ Dense Thickness:

PURGE START
Time: 13:40 Color: Clear Odor: None Sheen: None Free Product: None

TIME	FLOW RATE (mL/min)	DEPTH TO WATER (ft)	TEMPERATURE (°C)	pH	CONDUCTIVITY (µs/cm)	OXIDATION REDUCTION POTENTIAL (mv)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTU)	NOTES
13:45	100	12.3	11.1	7.01	2.00	-7.0	0.52	22.8	
50		12.6	10.7	7.04	2.63	-5.1	0.59	20.1	
55		13.0	10.6	7.05	1.99	22.8	1.01	19.5	
14:00		13.1	10.6	7.09	1.98	23.1	0.57	15.7	
05		13.2	10.6	7.10	2.00	26.5	0.40	3.54	
10		13.5	10.6	7.10	2.06	26.8	0.31	3.37	
15		13.4	10.6	7.10	2.05	17.6	0.24	3.11	
20		13.4	10.6	7.10	2.06	16.3	0.11	5.13	
25		13.5	10.6	7.10	2.03	16.3	0.10	5.11	
30		13.6	10.5	7.10	2.02	16.8	0.10	3.13	
35		13.7	10.5	7.10	2.02	15.6	0.06	3.17	
40		13.9	10.5	7.10	2.02	14.6	0.05	3.10	
45		13.9	10.5	7.10	2.02	14.1	0.05	3.10	
50		13.9	10.5	7.10	2.03	13.7	0.04	3.08	
55		13.9	10.5	7.10	2.02	13.5	0.04	3.07	
15:00			10.5	7.10					

PURGE END
Time: 14:55 Color: Clear Odor: N Sheen: N Free Product: N
Total Volume Purged:

SAMPLING
Time: 15:00 Color: Clear Odor: N Sheen: N Free Product: N

LABORATORY CONTAINERS

# Collected	Volume	Container Type	Preservative	Field Filtered?

COMMENTS/NOTES (Weather, Limiting Factors/Conditions, etc.):

NEU-VELLE

LOW FLOW GROUNDWATER SAMPLING LOG

Well ID: MW 11/05

NV Project No.
Project Name: NJSEG-Newark
Site Location: Newark, NJ
Client:
Project Manager

Date: 5/25/23
Coordinates:
Agency Site ID:
Completed By: JC+NL
Other NEU-VELLE Rep(s) On-Site:

EQUIPMENT

TYPE OF EQUIPMENT	MAKE	MODEL	ID #	NOTES

WELL INFORMATION

Riser Headspace: ppmV
Measurements Taken From: ☒ Top of Riser [Height above surface = _____] ☐ Top of Casing [Height above surface = _____] ☐ Other (Specify)
Measured Depth to Bottom: 19.7'
Depth to Water: 13.9'
Length of Water Column:
NAPL Present? ☐ Yes ☐ No Density: ☐ Light ☐ Dense Thickness:

PURGE START
Time: 10:30 Color: Odor: Sheen: Free Product:

TIME	FLOW RATE (mL/min)	DEPTH TO WATER (ft)	TEMPERATURE (°C)	pH	CONDUCTIVITY (µs/cm)	OXIDATION REDUCTION POTENTIAL (mv)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTU)	NOTES
10:35		13.9	12.3	7.07	1.97	232.1	4.76	16.9	
40		13.9	12.2	7.08	1.77	235.3	5.14	2.67	
45		13.9	12.2	7.09	1.69	236.3	5.36	2.48	
50		13.9	12.2	7.09	1.62	237.4	5.65	5.9	
55		13.9	12.2	7.09	1.61	238.7	5.71	5.3	
11:00		13.9	12.2	7.09	1.62	237.7	5.78	3.4	

PURGE END
Time: 11:00 Color: ~ Odor: ~ Sheen: ~ Free Product: ~
Total Volume Purged:

SAMPLING
Time: Color: ~ Odor: ~ Sheen: ~ Free Product: ~

LABORATORY CONTAINERS

# Collected	Volume	Container Type	Preservative	Field Filtered?

COMMENTS/NOTES (Weather, Limiting Factors/Conditions, etc.):

NEU-VELLE

LOW FLOW GROUNDWATER SAMPLING LOG

Well ID: MW 10/04

NV Project No.
Project Name: NJSEG - Newark
Site Location: Newark, NJ
Client:
Project Manager

Date: 5/25/23
Coordinates:
Agency Site ID:
Completed By: JC + NL
Other NEU-VELLE Rep(s) On-Site:

EQUIPMENT

TYPE OF EQUIPMENT	MAKE	MODEL	ID #	NOTES

WELL INFORMATION

Riser Headspace: ppmV
Measurements Taken From: ☐ Top of Riser [Height above surface = _____] ☒ Top of Casing [Height above surface = 6 in] ☐ Other (Specify)
Measured Depth to Bottom: 19.1
Depth to Water: 11.1
Length of Water Column:
NAPL Present? ☐ Yes ☒ No Density: ☐ Light ☐ Dense Thickness:

PURGE START

Time: 11:35 Color: Light Brown Odor: None Sheen: None Free Product: None

TIME	FLOW RATE (mL/min)	DEPTH TO WATER (ft)	TEMPERATURE (°C)	pH	CONDUCTIVITY (µs/cm)	OXIDATION REDUCTION POTENTIAL (mv)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTU)	NOTES
11:40	200	12	12.5	7.25	0.625	227	5.15	6.13	
45		12.6	12.6	7.24	0.646	225	5.68	20	
50		13.0	12.4	7.29	0.654	223	5.62	17.4	
55		13.7	12.4	7.29	0.640	220.1	4.68	20.4	
12:00		14.1	12.4	7.26	0.600	211.0	2.73	19.8	
05		14.4	12.3	7.24	0.578	176.3	1.95	16.7	
10		14.9	12.3	7.26	0.576	174.9	1.87	11.2	
15		15.4	12.3	7.27	0.580	167.4	1.97	5.83	
20		15.6	12.4	7.26	0.582	162.2	2.10	7.67	
25		15.7	12.5	7.24	0.587	160.5	2.17	7.25	
12:30		15.7	12.4	7.24	0.591	159.8	2.23	8.12	

PURGE END

Time: 12:30 Color: ~ Odor: ~ Sheen: ~ Free Product: ~
Total Volume Purged:

SAMPLING

Time: 12:35 Color: ~ Odor: ~ Sheen: ~ Free Product: ~

LABORATORY CONTAINERS

# Collected	Volume	Container Type	Preservative	Field Filtered?

COMMENTS/NOTES (Weather, Limiting Factors/Conditions, etc.):

NEU-VELLE

LOW FLOW GROUNDWATER SAMPLING LOG

Well ID: MW 101/03

NV Project No.
Project Name: NYSEG - Newark
Site Location: Newark, NY
Client:
Project Manager

Date: 5/16/23
Coordinates:
Agency Site ID:
Completed By: JC + NL
Other NEU-VELLE Rep(s) On-Site:

EQUIPMENT

TYPE OF EQUIPMENT	MAKE	MODEL	ID #	NOTES

WELL INFORMATION

Riser Headspace: ppmV
Measurements Taken From: ☐ Top of Riser [Height above surface = _____] ☒ Top of Casing [Height above surface = 6 in] ☐ Other (Specify)
Measured Depth to Bottom: 21.0'
Depth to Water: 15.2'
Length of Water Column:
NAPL Present? ☐ Yes ☒ No Density: ☐ Light ☐ Dense Thickness:

PURGE START
Time: 13:05 Color: Clear Odor: None Sheen: None Free Product: None

TIME	FLOW RATE (mL/min)	DEPTH TO WATER (ft)	TEMPERATURE (°C)	pH	CONDUCTIVITY (µs/cm)	OXIDATION REDUCTION POTENTIAL (mv)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTU)	NOTES
13:10	200	15.5	13.6	7.18	1.08	176.7	0.63	7.57	
15		15.5	13.4	7.11	0.88	159.6	0.37	3.67	
20		15.5	13.4	7.13	0.87	152.6	0.38	2.32	
25		15.5	13.4	7.08	0.87	142.8	0.27	2.18	
30		15.5	13.3	7.08	0.87	137.2	0.25	2.11	
35		15.5	13.4	7.08	0.87	135.4	0.24	2.08	
40		15.5	13.3	7.05	0.87	126.4	0.31	2.03	

PURGE END
Time: 13:40 Color: ~ Odor: ~ Sheen: ~ Free Product: ~
Total Volume Purged:

SAMPLING
Time: 13:45 Color: ~ Odor: ~ Sheen: ~ Free Product: ~

LABORATORY CONTAINERS

# Collected	Volume	Container Type	Preservative	Field Filtered?

COMMENTS/NOTES (Weather, Limiting Factors/Conditions, etc.):

NEU-VELLE

LOW FLOW GROUNDWATER SAMPLING LOG

Well ID: MW-1A

NV Project No.
Project Name: NYSEG - Newark
Site Location: Newark, NY
Client:
Project Manager

Date: 5/26/23
Coordinates:
Agency Site ID:
Completed By: JC & NC
Other NEU-VELLE Rep(s) On-Site:

EQUIPMENT

TYPE OF EQUIPMENT	MAKE	MODEL	ID #	NOTES

WELL INFORMATION

Riser Headspace: ppmV
Measurements Taken From: ☐ Top of Riser [Height above surface = _____] ☒ Top of Casing [Height above surface = 3.5'] ☐ Other (Specify)
Measured Depth to Bottom: 18.6
Depth to Water: 12.6'
Length of Water Column:
NAPL Present? ☐ Yes ☒ No Density: ☐ Light ☐ Dense Thickness:

PURGE START

Time: 12:00 Color: Clear Odor: N Sheen: N Free Product: N

TIME	FLOW RATE (mL/min)	DEPTH TO WATER (ft)	TEMPERATURE (°C)	pH	CONDUCTIVITY (µs/cm)	OXIDATION REDUCTION POTENTIAL (mv)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTU)	NOTES
12:05	200	13.2	12.5	7.18	1.33	209.4	4.24	46.6	
10		14.0	12.3	7.26	1.32	198.8	3.68	22.3	
15		14.1	12.3	7.31	1.32	195.8	3.76	19.2	
20		14.1	12.4	7.33	1.31	191.2	3.60	17.9	
25		14.2	12.3	7.27	1.30	186.8	3.23	8.16	
12:30		14.2	12.3	7.26	1.29	185.8	3.07	6.91	
35		14.2	12.3	7.26	1.30	181.6	3.11	5.72	
40			12.3	7.26	1.29	179.5	3.09	6.09	

PURGE END

Time: 12:40 Color: ~ Odor: ~ Sheen: ~ Free Product: ~
Total Volume Purged:

SAMPLING

Time: 12:45 Color: ~ Odor: ~ Sheen: ~ Free Product: ~

LABORATORY CONTAINERS

# Collected	Volume	Container Type	Preservative	Field Filtered?

COMMENTS/NOTES (Weather, Limiting Factors/Conditions, etc.):

NEU-VELLE

LOW FLOW GROUNDWATER SAMPLING LOG

Well ID: MW C2101

NV Project No.
Project Name: N456G- Newark
Site Location: Newark NJ
Client:
Project Manager

Date: 5/26/23
Coordinates:
Agency Site ID:
Completed By: JC + NL
Other NEU-VELLE Rep(s) On-Site:

EQUIPMENT

TYPE OF EQUIPMENT	MAKE	MODEL	ID #	NOTES

WELL INFORMATION

Riser Headspace: ppmV
Measurements Taken From: ☐ Top of Riser [Height above surface = _____] ☑ Top of Casing [Height above surface = 3''] ☐ Other (Specify)
Measured Depth to Bottom: 20.9'
Depth to Water: 15.4'
Length of Water Column:
NAPL Present? ☐ Yes ☑ No Density: ☐ Light ☐ Dense Thickness:

PURGE START
Time: 13:30 Color: Brown Odor: N Sheen: N Free Product: N

TIME	FLOW RATE (mL/min)	DEPTH TO WATER (ft)	TEMPERATURE (°C)	pH	CONDUCTIVITY (µs/cm)	OXIDATION REDUCTION POTENTIAL (mv)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTU)	NOTES
13:35	200	15.5	14.4	7.24	1.41	174.4	3.04	1437	
40		16.2	14.6	7.08	1.37	149.7	3.27	1551	
45		16.2	14.5	6.98	1.35	147.9	3.27	1474	
50		16.3	14.5	6.96	1.33	204.4	3.28	1548	
55		16.4	14.5	6.97	1.29	207.9	3.30	862	
14:00		16.4	14.5	6.96	1.31	212.3	3.29	681	
05		16.4	14.5	6.98	1.30	216.8	3.30	101	
10		16.4	14.5	6.97	1.30	218.6	3.22	57	
15		16.4	14.5	6.98	1.31	225.6	3.12	39	
20		16.4	14.5	6.97	1.26	228.7	3.17	47.1	
25		16.4	14.5	6.97	1.26	228.7	3.25	48.7	

PURGE END
Time: 14:25 Color: Clear Odor: N Sheen: N Free Product: N
Total Volume Purged:

SAMPLING
Time: 14:30 Color: Clear Odor: N Sheen: N Free Product: N

LABORATORY CONTAINERS

# Collected	Volume	Container Type	Preservative	Field Filtered?

COMMENTS/NOTES (Weather, Limiting Factors/Conditions, etc.):

Attachment 2

Groundwater Laboratory Reports and Chain of Custody Forms

NEU-VELLE LLC

ANALYTICAL REPORT

Lab Number:	L2329862
Client:	NEU-VELLE Inc 10 Jones Avenue Rochester, NY 14608
ATTN:	Logan Reid
Phone:	(585) 478-3167
Project Name:	NEWARK FORMER MGP SITE
Project Number:	Not Specified
Report Date:	06/13/23

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), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified

Lab Number: L2329862
Report Date: 06/13/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2329862-01	MW 10/10-052423	WATER	NEWARK, NY	05/24/23 12:50	05/26/23
L2329862-02	DUPE-052423	WATER	NEWARK, NY	05/24/23 16:00	05/26/23
L2329862-03	MW3A-052423	WATER	NEWARK, NY	05/24/23 15:00	05/26/23
L2329862-04	MW 11/05-052523	WATER	NEWARK, NY	05/25/23 11:05	05/26/23
L2329862-05	MW 10/04-052523	WATER	NEWARK, NY	05/25/23 12:35	05/26/23
L2329862-06	MW 10/03-052523	WATER	NEWARK, NY	05/25/23 13:45	05/26/23
L2329862-07	MW1A-052523	WATER	NEWARK, NY	05/25/23 12:45	05/26/23
L2329862-08	MW 22/01-052623	WATER	NEWARK, NY	05/26/23 14:30	05/26/23
L2329862-09	EQUIPMENT BLANK-052623	WATER	NEWARK, NY	05/26/23 13:00	05/26/23
L2329862-10	TRIP BLANK	WATER	NEWARK, NY	05/26/23 00:00	05/26/23

Project Name:	NEWARK FORMER MGP SITE	**Lab Number:**	L2329862
Project Number:	Not Specified	**Report Date:**	06/13/23

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, solids and tissues are reported on a dry 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:	NEWARK FORMER MGP SITE	**Lab Number:**	L2329862
Project Number:	Not Specified	**Report Date:**	06/13/23

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.

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: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 06/13/23

ORGANICS

VOLATILES

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-01
Client ID: MW 10/10-052423
Sample Location: NEWARK, NY

Date Collected: 05/24/23 12:50
Date Received: 05/26/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/06/23 00:44
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	95		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-02
Client ID: DUPE-052423
Sample Location: NEWARK, NY

Date Collected: 05/24/23 16:00
Date Received: 05/26/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/06/23 01:11
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	97		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-03
Client ID: MW3A-052423
Sample Location: NEWARK, NY
Date Collected: 05/24/23 15:00
Date Received: 05/26/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/06/23 01:37
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	94		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-04
Client ID: MW 11/05-052523
Sample Location: NEWARK, NY

Date Collected: 05/25/23 11:05
Date Received: 05/26/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/06/23 02:04
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	96		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-05
Client ID: MW 10/04-052523
Sample Location: NEWARK, NY

Date Collected: 05/25/23 12:35
Date Received: 05/26/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/06/23 02:31
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	95		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-06
Client ID: MW 10/03-052523
Sample Location: NEWARK, NY

Date Collected: 05/25/23 13:45
Date Received: 05/26/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/06/23 02:57
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	96		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-07
Client ID: MW1A-052523
Sample Location: NEWARK, NY
Date Collected: 05/25/23 12:45
Date Received: 05/26/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/06/23 03:24
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	97		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	96		70-130

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-08
Client ID: MW 22/01-052623
Sample Location: NEWARK, NY

Date Collected: 05/26/23 14:30
Date Received: 05/26/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/06/23 03:51
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	95		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-09
Client ID: EQUIPMENT BLANK-052623
Sample Location: NEWARK, NY

Date Collected: 05/26/23 13:00
Date Received: 05/26/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/06/23 04:17
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	95		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-10
Client ID: TRIP BLANK
Sample Location: NEWARK, NY

Date Collected: 05/26/23 00:00
Date Received: 05/26/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/06/23 00:17
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	94		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/05/23 20:18
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1787844-5					
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	95		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWARK FORMER MGP SITE

Project Number: Not Specified

Lab Number: L2329862

Report Date: 06/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1787844-3 WG1787844-4								
Benzene	89		90		70-130	1		20
Toluene	90		92		70-130	2		20
Ethylbenzene	91		92		70-130	1		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	97		97		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWARK FORMER MGP SITE

Project Number: Not Specified

Lab Number: L2329862

Report Date: 06/13/23

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 Associated sample(s): 01-10 QC Batch ID: WG1787844-6 WG1787844-7 QC Sample: L2329862-01 Client ID: MW 10/10-052423												
Benzene	ND	10	9.3	93		10	100		70-130	7		20
Toluene	ND	10	9.4	94		10	100		70-130	6		20
Ethylbenzene	ND	10	9.3	93		10	100		70-130	7		20
p/m-Xylene	ND	20	18	90		20	100		70-130	11		20
o-Xylene	ND	20	18	90		20	100		70-130	11		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		96		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	97		97		70-130
Toluene-d8	101		100		70-130

SEMIVOLATILES

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-01
Client ID: MW 10/10-052423
Sample Location: NEWARK, NY

Date Collected: 05/24/23 12:50
Date Received: 05/26/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/31/23 13:51
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/30/23 13:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.12		ug/l	0.10	0.02	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.06	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.10		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.15		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.05	J	ug/l	0.10	0.01	1
Chrysene	0.08	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.11		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.07	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.10		ug/l	0.10	0.01	1
Pyrene	0.10		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	88		15-120
4-Terphenyl-d14	77		41-149

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-02
Client ID: DUPE-052423
Sample Location: NEWARK, NY

Date Collected: 05/24/23 16:00
Date Received: 05/26/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/31/23 14:57
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/30/23 13:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.11		ug/l	0.10	0.02	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.04	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.08	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.14		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.04	J	ug/l	0.10	0.01	1
Chrysene	0.07	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.10		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.10	J	ug/l	0.10	0.01	1
Pyrene	0.09	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	80		15-120
4-Terphenyl-d14	77		41-149

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-03
Client ID: MW3A-052423
Sample Location: NEWARK, NY

Date Collected: 05/24/23 15:00
Date Received: 05/26/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 06/10/23 21:24
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 05/30/23 13:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.02	J	ug/l	0.10	0.02	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	90		15-120
4-Terphenyl-d14	92		41-149

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-04
Client ID: MW 11/05-052523
Sample Location: NEWARK, NY

Date Collected: 05/25/23 11:05
Date Received: 05/26/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/31/23 15:30
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/30/23 13:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.03	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	87		15-120
4-Terphenyl-d14	78		41-149

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-05
Client ID: MW 10/04-052523
Sample Location: NEWARK, NY

Date Collected: 05/25/23 12:35
Date Received: 05/26/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/31/23 15:46
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/30/23 13:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	2.3		ug/l	0.10	0.02	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.58		ug/l	0.10	0.02	1
Benzo(a)pyrene	1.8		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	3.7		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.85		ug/l	0.10	0.01	1
Chrysene	1.7		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.09	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	2.6		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.44		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.36		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	2.4		ug/l	0.10	0.01	1
Pyrene	1.9		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	86		15-120
4-Terphenyl-d14	81		41-149

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-06
Client ID: MW 10/03-052523
Sample Location: NEWARK, NY

Date Collected: 05/25/23 13:45
Date Received: 05/26/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/31/23 16:03
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/30/23 13:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	85		15-120
4-Terphenyl-d14	83		41-149

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-07
Client ID: MW1A-052523
Sample Location: NEWARK, NY

Date Collected: 05/25/23 12:45
Date Received: 05/26/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/31/23 16:19
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/30/23 13:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.20		ug/l	0.10	0.02	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.06	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.14		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.25		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.06	J	ug/l	0.10	0.01	1
Chrysene	0.13		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.21		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.03	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.18		ug/l	0.10	0.01	1
Pyrene	0.17		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	83		15-120
4-Terphenyl-d14	79		41-149

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-08
Client ID: MW 22/01-052623
Sample Location: NEWARK, NY

Date Collected: 05/26/23 14:30
Date Received: 05/26/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 06/02/23 13:24
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 06/01/23 07:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.04	J	ug/l	0.10	0.02	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Chrysene	0.04	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.03	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.07	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	92		15-120
4-Terphenyl-d14	97		41-149

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-09
Client ID: EQUIPMENT BLANK-052623
Sample Location: NEWARK, NY

Date Collected: 05/26/23 13:00
Date Received: 05/26/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 06/13/23 11:16
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 06/01/23 07:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.02	J	ug/l	0.10	0.02	1
Naphthalene	0.07	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	0.03	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	77		15-120
4-Terphenyl-d14	83		41-149

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 05/31/23 13:35
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/30/23 13:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-07 Batch: WG1784960-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	82		15-120
4-Terphenyl-d14	77		41-149

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 06/02/23 12:35
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 06/01/23 07:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 08-09 Batch: WG1785775-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	80		15-120
4-Terphenyl-d14	94		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-07 Batch: WG1784960-2 WG1784960-3								
Acenaphthene	74		70		40-140	6		40
2-Chloronaphthalene	88		81		40-140	8		40
Fluoranthene	82		80		40-140	2		40
Naphthalene	76		68		40-140	11		40
Benzo(a)anthracene	82		76		40-140	8		40
Benzo(a)pyrene	86		82		40-140	5		40
Benzo(b)fluoranthene	81		77		40-140	5		40
Benzo(k)fluoranthene	86		83		40-140	4		40
Chrysene	76		73		40-140	4		40
Acenaphthylene	94		85		40-140	10		40
Anthracene	76		73		40-140	4		40
Benzo(ghi)perylene	80		76		40-140	5		40
Fluorene	84		77		40-140	9		40
Phenanthrene	71		68		40-140	4		40
Dibenzo(a,h)anthracene	82		78		40-140	5		40
Indeno(1,2,3-cd)pyrene	77		74		40-140	4		40
Pyrene	82		80		40-140	2		40
2-Methylnaphthalene	82		76		40-140	8		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWARK FORMER MGP SITE

Project Number: Not Specified

Lab Number: L2329862

Report Date: 06/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-07 Batch: WG1784960-2 WG1784960-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	94		85		23-120
2-Fluorobiphenyl	92		84		15-120
4-Terphenyl-d14	87		83		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified

Lab Number: L2329862
Report Date: 06/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 08-09 Batch: WG1785775-2 WG1785775-3								
Acenaphthene	84		88		40-140	5		40
2-Chloronaphthalene	82		86		40-140	5		40
Fluoranthene	90		96		40-140	6		40
Naphthalene	80		83		40-140	4		40
Benzo(a)anthracene	100		103		40-140	3		40
Benzo(a)pyrene	100		104		40-140	4		40
Benzo(b)fluoranthene	90		94		40-140	4		40
Benzo(k)fluoranthene	96		100		40-140	4		40
Chrysene	91		97		40-140	6		40
Acenaphthylene	92		96		40-140	4		40
Anthracene	93		97		40-140	4		40
Benzo(ghi)perylene	94		94		40-140	0		40
Fluorene	88		91		40-140	3		40
Phenanthrene	83		86		40-140	4		40
Dibenzo(a,h)anthracene	93		96		40-140	3		40
Indeno(1,2,3-cd)pyrene	90		93		40-140	3		40
Pyrene	88		94		40-140	7		40
2-Methylnaphthalene	87		90		40-140	3		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWARK FORMER MGP SITE

Project Number: Not Specified

Lab Number: L2329862

Report Date: 06/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 08-09 Batch: WG1785775-2 WG1785775-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	99		98		23-120
2-Fluorobiphenyl	85		88		15-120
4-Terphenyl-d14	88		95		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

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): 01-07 QC Batch ID: WG1784960-4 WG1784960-5 QC Sample: L2329862-01 Client ID: MW 10/10-052423												
Acenaphthene	ND	18.2	14	77		12	66		40-140	15		40
2-Chloronaphthalene	ND	18.2	16	88		14	77		40-140	13		40
Fluoranthene	0.12	18.2	16	87		14	76		40-140	13		40
Naphthalene	ND	18.2	14	77		12	66		40-140	15		40
Benzo(a)anthracene	0.06J	18.2	14	77		13	72		40-140	7		40
Benzo(a)pyrene	0.10	18.2	12	66		10	55		40-140	18		40
Benzo(b)fluoranthene	0.15	18.2	11	60		9.3	50		40-140	17		40
Benzo(k)fluoranthene	0.05J	18.2	11	61		9.6	53		40-140	14		40
Chrysene	0.08J	18.2	13	72		12	66		40-140	8		40
Acenaphthylene	ND	18.2	16	88		15	83		40-140	6		40
Anthracene	ND	18.2	14	77		13	72		40-140	7		40
Benzo(ghi)perylene	0.11	18.2	5.6	**30**	Q	5.4	**29**	Q	40-140	4		40
Fluorene	ND	18.2	15	83		14	77		40-140	7		40
Phenanthrene	0.07J	18.2	13	72		12	66		40-140	8		40
Dibenzo(a,h)anthracene	ND	18.2	5.5	**30**	Q	5.4	**30**	Q	40-140	2		40
Indeno(1,2,3-cd)pyrene	0.10	18.2	5.6	**31**	Q	5.3	**29**	Q	40-140	6		40
Pyrene	0.10	18.2	16	88		14	77		40-140	13		40
2-Methylnaphthalene	ND	18.2	15	83		14	77		40-140	7		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2-Fluorobiphenyl	86		81		15-120
4-Terphenyl-d14	80		68		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWARK FORMER MGP SITE

Project Number: Not Specified

Lab Number: L2329862

Report Date: 06/13/23

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): 01-07 QC Batch ID: WG1784960-4 WG1784960-5 QC Sample: L2329862-01 Client ID: MW 10/10-052423												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Nitrobenzene-d5	88		85		23-120

INORGANICS
&
MISCELLANEOUS

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified

Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-01
Client ID: MW 10/10-052423
Sample Location: NEWARK, NY

Date Collected: 05/24/23 12:50
Date Received: 05/26/23
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	05/31/23 10:00	05/31/23 14:41	1,9010C/9012B	JER

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified

Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-02
Client ID: DUPE-052423
Sample Location: NEWARK, NY

Date Collected: 05/24/23 16:00
Date Received: 05/26/23
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	0.002	J	mg/l	0.005	0.001	1	06/05/23 10:20	06/05/23 19:28	1,9010C/9012B	JER

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified

Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-03
Client ID: MW3A-052423
Sample Location: NEWARK, NY

Date Collected: 05/24/23 15:00
Date Received: 05/26/23
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	0.004	J	mg/l	0.005	0.001	1	06/05/23 10:20	06/05/23 19:29	1,9010C/9012B	JER

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified

Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-04
Client ID: MW 11/05-052523
Sample Location: NEWARK, NY

Date Collected: 05/25/23 11:05
Date Received: 05/26/23
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	0.008		mg/l	0.005	0.001	1	06/05/23 10:20	06/05/23 19:32	1,9010C/9012B	JER

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified

Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-05
Client ID: MW 10/04-052523
Sample Location: NEWARK, NY

Date Collected: 05/25/23 12:35
Date Received: 05/26/23
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	06/05/23 10:20	06/05/23 19:33	1,9010C/9012B	JER

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified

Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-06
Client ID: MW 10/03-052523
Sample Location: NEWARK, NY

Date Collected: 05/25/23 13:45
Date Received: 05/26/23
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	06/05/23 10:20	06/05/23 19:07	1,9010C/9012B	JER

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified

Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-07
Client ID: MW1A-052523
Sample Location: NEWARK, NY

Date Collected: 05/25/23 12:45
Date Received: 05/26/23
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	0.002	J	mg/l	0.005	0.001	1	06/05/23 10:20	06/05/23 19:08	1,9010C/9012B	JER

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified

Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-08
Client ID: MW 22/01-052623
Sample Location: NEWARK, NY

Date Collected: 05/26/23 14:30
Date Received: 05/26/23
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	0.026		mg/l	0.005	0.001	1	06/06/23 14:10	06/06/23 17:06	1,9010C/9012B	JER

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified

Lab Number: L2329862
Report Date: 06/13/23

SAMPLE RESULTS

Lab ID: L2329862-09
Client ID: EQUIPMENT BLANK-052623
Sample Location: NEWARK, NY

Date Collected: 05/26/23 13:00
Date Received: 05/26/23
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	06/06/23 14:10	06/06/23 17:07	1,9010C/9012B	JER

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified
Lab Number: L2329862
Report Date: 06/13/23

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): 01 Batch: WG1785248-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	05/31/23 10:00	05/31/23 14:15	1,9010C/9012B	JER
General Chemistry - Westborough Lab for sample(s): 02-05 Batch: WG1787162-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	06/05/23 10:20	06/05/23 19:09	1,9010C/9012B	JER
General Chemistry - Westborough Lab for sample(s): 06-07 Batch: WG1787165-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	06/05/23 10:20	06/05/23 18:27	1,9010C/9012B	JER
General Chemistry - Westborough Lab for sample(s): 08-09 Batch: WG1787762-6										
Cyanide, Total	0.001	J	mg/l	0.005	0.001	1	06/06/23 14:10	06/06/23 16:45	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWARK FORMER MGP SITE

Project Number: Not Specified

Lab Number: L2329862

Report Date: 06/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1785248-2 WG1785248-3								
Cyanide, Total	95		96		85-115	1		20
General Chemistry - Westborough Lab Associated sample(s): 02-05 Batch: WG1787162-2 WG1787162-3								
Cyanide, Total	103		100		85-115	3		20
General Chemistry - Westborough Lab Associated sample(s): 06-07 Batch: WG1787165-2 WG1787165-3								
Cyanide, Total	94		92		85-115	2		20
General Chemistry - Westborough Lab Associated sample(s): 08-09 Batch: WG1787762-7 WG1787762-8								
Cyanide, Total	92		92		85-115	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified

Lab Number: L2329862
Report Date: 06/13/23

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): 01 QC Batch ID: WG1785248-4 WG1785248-5 QC Sample: L2329862-01 Client ID: MW 10/10-052423												
Cyanide, Total	ND	0.2	0.210	105		0.198	99		80-120	6		20
General Chemistry - Westborough Lab Associated sample(s): 02-05 QC Batch ID: WG1787162-4 WG1787162-5 QC Sample: L2329862-03 Client ID: MW3A-052423												
Cyanide, Total	0.004J	0.2	0.213	106		0.208	104		80-120	2		20
General Chemistry - Westborough Lab Associated sample(s): 06-07 QC Batch ID: WG1787165-4 WG1787165-5 QC Sample: L2329796-04 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.224	112		0.222	111		80-120	1		20
General Chemistry - Westborough Lab Associated sample(s): 08-09 QC Batch ID: WG1787762-9 WG1787762-10 QC Sample: L2329835-19 Client ID: MS Sample												
Cyanide, Total	0.340	0.2	0.609	**134**	Q	0.392	**26**	Q	80-120	**43**	Q	20

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified

Lab Number: L2329862
Report Date: 06/13/23

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(*)
L2329862-01A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-01A1	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-01A2	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-01B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-01B1	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-01B2	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-01C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-01C1	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-01C2	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-01D	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-01D1	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-01D2	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-01E	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-01E1	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-01E2	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-01F	Plastic 250ml NaOH preserved	A	>12	>12	2.3	Y	Absent		TCN-9010(14)
L2329862-01F1	Plastic 250ml NaOH preserved	A	>12	>12	2.3	Y	Absent		TCN-9010(14)
L2329862-01F2	Plastic 250ml NaOH preserved	A	>12	>12	2.3	Y	Absent		TCN-9010(14)
L2329862-02A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-02B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-02C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-02D	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-02E	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified

Lab Number: L2329862
Report Date: 06/13/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2329862-02F	Plastic 250ml NaOH preserved	A	>12	>12	2.3	Y	Absent		TCN-9010(14)
L2329862-03A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-03B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-03C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-03D	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-03E	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-03F	Plastic 250ml NaOH preserved	A	>12	>12	2.3	Y	Absent		TCN-9010(14)
L2329862-04A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-04B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-04C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-04D	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-04E	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-04F	Plastic 250ml NaOH preserved	A	>12	>12	2.3	Y	Absent		TCN-9010(14)
L2329862-05A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-05B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-05C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-05D	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-05E	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-05F	Plastic 250ml NaOH preserved	A	>12	>12	2.3	Y	Absent		TCN-9010(14)
L2329862-06A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-06B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-06C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-06D	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-06E	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-06F	Plastic 250ml NaOH preserved	A	>12	>12	2.3	Y	Absent		TCN-9010(14)
L2329862-07A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-07B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-07C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)

*Values in parentheses indicate holding time in days

Project Name: NEWARK FORMER MGP SITE
Project Number: Not Specified

Lab Number: L2329862
Report Date: 06/13/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2329862-07D	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-07E	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-07F	Plastic 250ml NaOH preserved	A	>12	>12	2.3	Y	Absent		TCN-9010(14)
L2329862-08A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-08B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-08C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-08D	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-08E	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-08F	Plastic 250ml NaOH preserved	A	>12	>12	2.3	Y	Absent		TCN-9010(14)
L2329862-09A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-09B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-09C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-09D	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-09E	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2329862-09F	Plastic 250ml NaOH preserved	A	>12	>12	2.3	Y	Absent		TCN-9010(14)
L2329862-10A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)
L2329862-10B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-BTEX(14)

*Values in parentheses indicate holding time in days

Project Name:	NEWARK FORMER MGP SITE	**Lab Number:**	L2329862
Project Number:	Not Specified	**Report Date:**	06/13/23

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:	NEWARK FORMER MGP SITE	**Lab Number:**	L2329862
Project Number:	Not Specified	**Report Date:**	06/13/23

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:	NEWARK FORMER MGP SITE	**Lab Number:**	L2329862
Project Number:	Not Specified	**Report Date:**	06/13/23

Data Qualifiers

Identified Compounds (TICs).

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.)

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.

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
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.
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 332: Perchlorate; **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), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, 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

ALPHA ANALYTICAL

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

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 1 of 2

Date Rec'd in Lab: 5/27/23

ALPHA Job #: L2329867

Client Information
Client: New-Indy LLC
Address: 10 Jones A-e
Rochester NY 14608
Phone: 585-478-3167
Fax:
Email: Reid@new-indy.com

Project Information
Project Name: Newark Former MGP Site
Project Location: Newark, NY
Project # 2023074
(Use Project name as Project #)
Project Manager: Logan Reid
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
See attached

Please specify Metals or TAL.

ANALYSIS
BTEX 8260
PAHs 8270
Cyanide 9012

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	BTEX	PAHs	Cyanide	Sample Specific Comments
29867-01	MW 10/01-052423	5/24/23	12:30	GW	JC	x	x	x	
01 02	MW 10/01 MS/MSD-052423	5/24/23	12:50	GW	JC	x	x	x	
02 03	Dupe-052423	5/24/23	16:00	GW	JC	x	x	x	
03 04	MW 3A-052423	5/24/23	15:00	GW	JC	x	x	x	
04 05	MW 11/05-052523	5/25/23	11:05	GW	JC	x	x	x	
05 06	MW 10/04-052523	5/25/23	12:35	GW	JC	x	x	x	
06 07	MW 10/03-052523	5/25/23	13:45	GW	JC	x	x	x	
07 08	MW 1A-052623	5/26/23	12:45	GW	JC	x	x	x	
08	MW 22/01-052623	5/26/23	14:30	GW	X	x	x	x	
09	Equipment Blank-052623	5/26/23	13:00	GW	JC	x	x	x	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	5/26/23 16:00	[illegible] SeaCast	5/26/23 1705
[illegible] SeaCast	5/26/23 1705	[illegible] SeaCast	5/26/23 1708
[illegible] SeaCast	5/26/23 1705		5/27/23 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

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 2 of 2

Date Rec'd in Lab: 5/27/23

ALPHA Job #: L2329862

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: Newark Firm MCP Site
Project Location: Newark, NY
Project #: 2023074
(Use Project name as Project #) ☐
Project Manager: Logan Reid
ALPHAQuote #:

Turn-Around Time

Standard ☒ — Due Date:
Rush (only if pre approved) ☐ — # of Days:

Client Information

Client: Newville LLC
Address: 10 Jones Ave, Rochester NY 14608
Phone: 585-478-3167
Fax:
Email: lreid@new-ville.com

Deliverables

☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility: ☐ NJ ☐ NY ☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

See attached

Please specify Metals or TAL.

ANALYSIS: BTEX 8260

Sample Filtration: ☐ Done ☐ Lab to do
Preservation: ☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	BTEX 8260							Sample Specific Comments	Total Bottles
29862	Trip Blank	xx	xx	GW	xx	X								

Preservative Code: A = None, B = HCl, C = HNO_3, D = H_2SO_4, E = NaOH, F = MeOH, G = $NaHSO_4$, H = $Na_2S_2O_3$, K/E = Zn Ac/NaOH, O = Other

Container Code: P = Plastic, A = Amber Glass, V = Vial, G = Glass, B = Bacteria Cup, C = Cube, O = Other, E = Encore, D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type:
Preservative:

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/26/23 16:00	[signature] Sup Sept	5/26/23 1705
[signature] Sup Sea St	5/26/23 1705	[signature] Sup Sea St	5/26/23 1705
[signature] Sup Sea St	5/26/23 1705	[signature]	5/27/23 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)