Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Commissioner

November 24, 2025

New York State Electric & Gas Corp. (NYSEG)
Levia Terrell
18 Link Drive
Binghamton, NY 13902

Re: 2024 Quarterly Monitoring and Annual Sampling Update
NYSEG - Auburn Clark St. MGP
Auburn, Cayuga County
NYSDEC Site No. 706008

Dear Levia Terrell (as the Certifying Party):

The NYSDEC has reviewed your Quarterly Monitoring and Annual Sampling Update (Annual Report), dated May 13, 2025, for the above referenced site. A review summary completed by Ramboll on behalf of NYSDEC is attached with this letter. The NYSDEC hereby accepts the report. Please address comments provided by Ramboll when submitting the next Annual Report.

Additionally, it is understood that a final quantitative vegetation survey should have been completed in the growing season between April 17 and October 23 of 2025. If the quantitative vegetation survey has not yet been completed, then the NYSDEC requests that the quantitative survey be performed within, preferably the middle of, the growing season of 2026.

If you have any questions, or need additional forms, contact me at 518-603-3163 or e-mail: tracey.garland@dec.ny.gov.

Sincerely,

Tracey Garland

Tracey Garland
Project Manager

ec:
Jeffrey Poulsen, Parsons (as consultant for NYSEG)
Anne Burnham, Parsons (as consultant for NYSEG)
Scott Tucker, Ramboll (as consultant for NYSDEC)
Gerald Pratt, NYDEC Environmental Remediation
Harolyn Hood, NYSDOH Bureau of Environmental Exposure Investigation
Jenny Murtaugh, NYSDEC Fish and Wildlife

RAMBOLL

ENVIRONMENT
& HEALTH

Tracey Garland, GIT
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-5060

Re: NYSEG Auburn Clark Street Former MGP
2024 OMM Annual Report

Date August 29, 2025

Dear Mr. Garland:

Per Work Assignment D009810-42, Ramboll has reviewed the attached OMM Annual Report Prepared by Parsons for the reporting period of 2024, for the Auburn Clark Street Former MGP Site No. 706008 (the Site) for compliance with the Site Management Plan (SMP) and associated regulatory documents.

Based on the review, Ramboll finds the 2024 OMM Annual Report to be in compliance with the SMP and should therefore be considered accepted after incorporating the revisions discussed in the following pages.

Yours sincerely

Deborah Wright
Project Officer

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Attachments: 1 – Report review comments
2 – SMP compliance checklist
3 – 2024 OMM Annual Report for the Auburn Clark Street Former MGP Site, prepared by Parsons for NYSEG and NYSDEC, dated May 13, 2025

cc: Scott Tucker – Ramboll
Luke Reusser – Ramboll

RAMBOLL

ENVIRONMENT
& HEALTH

Report Review Comments

Site Name: **Auburn Clark Street Former MGP**

Site No.: **706008**

Site Owner: **NYSEG**

Report Title: **2024 OMM Annual Report**

Prepared by: **Parsons**

Report Date: **5/13/2025**

Report Type: Annual Report

Review By: Ramboll Americas Engineering Solutions, Inc.

Reviewed For: Tracy Garland, GIT, DER NYSDEC

General Comments

Activities conducted in 2024 by Parsons and presented in the 2024 OMM Annual Report, dated May 13, 2025, are in compliance with the current SMP (Parsons, 2021).

- Overburden and bedrock water level gauging and groundwater sampling were conducted on September 24, 2024; NAPL gauging and active and passive NAPL removal were conducted quarterly in 2024; annual site inspection and vegetation and invasive species monitoring were conducted on December 18, 2024.
- Refer to the SMP compliance checklist below for details.

Ramboll appreciates the inclusion of the clustered column charts depicting Total BTEX by well from 2021 to 2024 in the Groundwater sampling Section and NAPL thickness by well from 2022 to 2024 in the NAPL Removal section.

First paragraph indicates the site is a 3-acre site.

- Review of several documents identifies different description of acreage as follow: 1.6-acres in the NYSDEC database and 2022 FER; 3 acres in the 2021 Monitoring Report; and 3.4-acres in the 2021 SMP. Please clarify.

Section 1.0 – Background - First paragraph states that monitoring consists of three main components. Only two components are listed.

- Please identify the third component.

Section 2.3 – Hydraulic Gradient – Third paragraph states that wells MW-11D, MW-12D, and MW-14D were not included in the monitoring plan.

- It is unclear why these wells were not included in the monitoring plan when, as noted in the last paragraph, NYSDEC sent an email indicating there was an eastward flow component in bedrock.

Section 3.0 – Groundwater Sampling – The second paragraph indicates groundwater samples were analyzed for VOCs, specifically benzene, toluene, ethylbenzene, and xylenes (BTEX), and total polycyclic aromatic hydrocarbons (PAHs).

- Samples were analyzed for PAHs, not just total PAHs.

Section 3.1 – Groundwater Sampling Methods and Techniques – The first paragraph indicates that water quality parameters were measured in 5-minute intervals.

- Review of Appendix A-1 groundwater sampling logs identified MW-9D water quality parameters measured every 10 minutes.

Section 4.0 – NAPL Removal – Last paragraph indicates NAPL accumulation between 0.05 and 2.00 gallons in 2024.

- Assuming the NAPL accumulation is referencing 'Total volume of NAPL removed' from the NAPL removal logs in Appendix A-2, the range provided is incorrect.
- Appendix A-2 NAPL removal logs identify the lowest volume of NAPL removed as 0.5 gallons removed from RW-03 on June 5, 2024, as well as RW-03 and RW-04 on September 25, 2024.
- Appendix A-2 NAPL removal logs identify the highest volume of NAPL removed as 3 gallons from RW-07 on March 6, 2024 and June 5, 2024.

Section 4.2 – Active Removal – Pumping

- First paragraph, last sentence, indicates 0.22 gallons of NAPL were removed from RW-07 as shown on Table 3.
  - 0.22 gallons is not present on Table 3.
- Second paragraph indicates that peristaltic pump flow rates were set at 100 - 500 milliliters per minute.
  - Based on the logs provided in Appendix A-2, flow rates ranged from 500 – 700 milliliters per minute, not 100 – 500 milliliters per minute.
- Second paragraph indicates that pumping durations exceeded the target pump duration.
  - Based on the logs provided in Appendix A-2, target pump duration and actual pump duration are the same, not exceeding the target pump duration.

Table 2 – Groundwater and QC Analytical Results Summary (2024)

- The title in the table Enclosure summary suggests QC results in Table 2. QC results are not presented in Table 2.
- The result for m,p-xylene at MW-10D is identified as 85 µg/l. Based on review of the laboratory report, 85 µg/L is the dilution result. It is noted that the dilution result was reported in the Attachment A tables in the Data Usability Summary Report (DUSR). The original result was not qualified with an 'E' by the laboratory. The DUSR doesn't indicate the dilution result should be used. Please explain why the dilution result was used.

Table 3 – NAPL Removal Summary 2024 – This table presents NAPL calculations.

- RW-05 for June 2024 – Mass Removed (g) is incorrectly calculated and should be 270 g, not 350 g.
- RW-07 Cumulative Volume Removed – Rounding should result in 7.74 gal, not 7.75 gal.
- Update calculated values to reflect revised numbers as identified in above bullets.

Figure 2A – Overburden Groundwater Flow Direction (October 2024) - Water levels presented on this figure were collected on September 24, 2024.

- Change date in figure title to September 2024.

Appendix A-1 Groundwater Sampling logs - Review of past sampling logs presented in the Memorandum dated April 11, 2022 with a subject of 'Clark Street Former MGP Site – Quarterly Monitoring and Annual Sampling Update' indicates the depth of pump intake at MW-8D was 45 feet. In this report, the sampling log for MW-8D indicates the depth of pump intake was 60 ft.

- It is recommended that pump intakes are consistent between sampling events to collect samples from similar fractures for comparison over time.

Missing/Incomplete Components

None.

2025 OMM Annual Report Recommendations by Parsons

- While there have been significant decreases in the volumes of NAPL collected, there is still a sufficient quantity of NAPL (greater than 0.01 gallons) to warrant active collection from the three recovery wells (RW-03, RW-04, RW-07) as well as the passive collection wells. Active and passive NAPL collection will continue on a quarterly basis.
- In accordance with the SMP (Section 4.4) annual vegetative reviews are required beginning in 2020 and continuing to 2024. Because a quantitative survey was not performed in 2024, a final quantitative vegetation survey will be completed in 2025 to verify that conditions have been met.

Ramboll Recommendations

Ramboll agrees with the recommendations provided by Parsons in the 2024 OMM Annual Report. Specifically:

- Continue quarterly NAPL gauging and active (RW-03, -04, & -07) and passive (RW-01, -02, -05, -06, -08, -09, & -10) NAPL collection.
- Complete a final quantitative vegetation survey in 2025 to verify that monitoring conditions have been met.

Ramboll finds the 2024 OMM Annual Report to be in compliance with the SMP and recommends that the report be accepted with the revisions listed above.

Auburn Clark Street Former MGP

NYSDEC Site No. 706008

2021 Site Management Plan (Parsons) Compliance Checklist

For Report:

2024 OMM Annual Report (Parsons)

RAMBOLL Recommendation
Based on the 2021 SMP prepared by Parsons, Ramboll finds the 2024 OMM Annual Report to be in compliance with the SMP and recommends the report be accepted.

Engineering Controls
Cover System (Cap) - The cover system is comprised of a minimum of 12 inches of imported backfill material that meets Part 375-6.8 requirements for commercial use. See Figure 2. - The EWP provided in Appendix F outlines the procedures required to be implemented in the event the cover system is breached, penetrated, or temporarily removed, and any underlying remaining contamination is disturbed.
NAPL Containment and Recovery System - Passive recovery of NAPL in bedrock. Based on historical NAPL monitoring by Arcadis (2012 to 2015). - Ten bedrock wells around the perimeter of the upland. - Initially quarterly collection for the first two years (2021 to 2022). Re-evaluation thereafter. Currently quarterly (active and passive methods).
Groundwater Monitoring - Six overburden monitoring wells. To be sampled annually

Monitoring and Sampling Plan	Frequency	Compliant	Ramboll Notes
Site-Wide Inspection - Performed annually (minimum) and after sever weather conditions or a Site emergency. - Site inspection form to be filled out (Appendix J).	Annually	**Yes**	Site-wide inspection performed on 12/18/24. - Site observed to be in good condition, no bare spots or erosion.
Invasive Species Inspection & Maintenance - Starting in 2020, invasive species on the NYSDEC prohibited plant species list may occupy no more that 5% of restored area. - Annual vegetative survey to be conducted to determine the extent of invasive species. IS Management Plan (Appendix K).	Annually	**Yes**	Qualitative vegetation survey conducted on 12/18/24. - Site is well vegetated with predominately native grassland vegetation. - No invasive species observed. - Vegetative coverage estimated at 100% exceeding the 85% performance goal.
Ecological Buffer Zone Monitoring & Reporting - Beginning in 2020 and continuing until 2024, an annual vegetative survey will be conducted to assess the percent survival of plantings located within the ecological buffer zone. Monitoring activities will include a comprehensive vegetation plot analysis to determine whether the Site is meeting performance goal of 85 percent cover for perennial vegetative cover and a survey of percent survival of planted trees and shrubs.	Annually (2021 to 2024)	**Yes**	Qualitative vegetation survey conducted on 12/18/24. - Site is well vegetated with predominately native grassland vegetation. - No invasive species observed. - Vegetative coverage estimated at 100% exceeding the 85% performance goal.
NAPL Monitoring and Recovery - Quarterly collection of NAPL is recommended at the Site for two years. Following two years of NAPL collection, the frequency of monitoring will be evaluated in conjunction with NYSDEC (See section 4.5 for and Appendix E for details). - Currently still conducted quarterly by active and passive methods: Passive: 1.5" x 2' absorbent socks at RW-01, 02, 05, 06, 08, 09 & 10) Active: peri-pump at RW-03, 04, & 07	Quarterly for 2 years Revaluate after Currently Quarterly	**Yes**	NAPL gauging and recovery conducted in March, June, September, and November 2024. - digital logs present.

Groundwater Monitoring and Sampling - Refer to Appendix E for details. - Synoptic WLs collected prior to sampling. - PFAS and 1,4-dioxane collected during initial event. - BTEX and Total PAHs Annually - 6 wells Upgradient well: MW-01B Bedrock Site wells: MW-08D, MW-09D, & MW-10D Wells installed in 2021: MW-PAR-01, & MW-PAR-02 - Well integrity will be noted on GW sampling forms.	Annually	**Yes**	Synoptic WLs collected on 9/24/2024. Groundwater sampling conducted on 9/24/2024. - digital logs present
Operation and Maintenance Plan	Frequency	Compliant	Ramboll Notes
The site remedy does not rely on any mechanical systems, such as groundwater treatment systems, sub-slab depressurization systems or air sparge/soil vapor extraction systems to protect public health and the environment. Therefore, the operation and maintenance of such components is not included in the SMP.			
Periodic Assessment/Evaluation			
Climate Change Vulnerability Assessment	Frequency	Compliant	Ramboll Notes
Given the location of the Site, the presence of sufficient municipal storm water collection infrastructure, control of stream flow by an upstream municipal dam, erosion-resistant design, and the lack of active remedial systems that would rely on electric power to operate, the Site is considered to have a low vulnerability to climate change effects, and therefore, vulnerability assessments are not warranted at this time.	NA	NA	NA
Green Remediation Evaluation	Frequency	Compliant	Ramboll Notes
Modifications resulting from green remediation evaluations will be routinely implemented and scheduled to occur during planned/routine operation and maintenance activities. Reporting of these modifications will be presented in the PRR. If any means or methods with the potential to reduce energy consumption, resource usage, waste generation, or water usage are determined, they will be discussed in the PRR.	NA	NA	NA
Remedial System Optimization	Frequency	Compliant	Ramboll Notes
Not discussed in the SMP.	NA	NA	NA
Reporting Requirements			
Site Inspection Reporting	Frequency	Compliant	Ramboll Notes
To be included in the Annual Report.	Annually	**Yes**	Site-wide inspection performed on 12/18/24. - Site observed to be in good condition, no bare spots or erosion. - Photo Log and Site inspection form included as appendices D & E respectively.
Vegetation Monitoring and Invasive Species Reporting	Frequency	Compliant	Ramboll Notes
To be included in the Annual Report.	Annually	**Yes**	Qualitative vegetation survey conducted on 12/18/24. - Site is well vegetated with predominately native grassland vegetation. - No invasive species observed. - Vegetative coverage estimated at 100% exceeding the 85% performance goal. - Photo log provided in Appendix D.
Quarterly NAPL Monitoring & Recovery Reporting	Frequency	Compliant	Ramboll Notes

To be included in the Annual Report.	Annually	**Yes**	Quarterly active and passive NAPL removal conducted in 2024. - Gauging and removal results presented in Tables 1 and 3 respectively and accurately discussed in text. - NAPL thickness over time shown in figure form in text.
Groundwater Sampling Reporting	Frequency	Compliant	Ramboll Notes
To be included in the Annual Report.	Annually	**Yes**	Results discussed in report and presented in table and figure form. Consistency between all. - OVB and bedrock contours presented in figure 2. - Analytical report present. - DUSR present.
Periodic Review Report (including cert of ECs/ICs)	Frequency	Compliant	Ramboll Notes
- IC/EC certification form. - Site Inspection results. - Data summary tables and graphical representations. - Analytical results and laboratory reports. - Site evaluation - Needed repairs, new observations, recommendations, trends in contaminant levels, overall performance and effectiveness of the remedy.	Annually	NA	NA
Corrective Measures Workplan	Frequency	Compliant	Ramboll Notes
If any component of the remedy is found to have failed, or if the periodic certification cannot be provided due to the failure of an institutional or engineering control, a Corrective Measures Work Plan will be submitted to the NYSDEC for approval.	As Needed	NA	NA
Remedial Site Optimization Report	Frequency	Compliant	Ramboll Notes
Not discussed in the SMP.	NA	NA	NA
Recommendations (Parsons)			
While there have been significant decreases in the volumes of NAPL collected, there is still a sufficient quantity (greater than 0.01 gallons) to warrant active collection from the three recovery wells (RW-03, RW-04, RW-07) as well as the passive collection wells. Active and passive NAPL collection will continue on a quarterly basis.			
In accordance with the SMP (Section 4.4) annual vegetative reviews are required beginning in 2020 and continuing to 2024. Because a quantitative survey was not performed in 2024, a final quantitative vegetation survey will be completed in 2025 to verify that conditions have been met.			

Ramboll Recommendations Checklist	Addressed by RP	Ramboll Notes
Ramboll agrees with the recommendations provided by Parsons.		
Ramboll finds the 2024 OMM Annual Report to be in compliance with the 2021 SMP and recommends that the report be accepted.		

PARSONS

Phone: 315.451.9560
301 Plainfield Road, Suite 350 | Syracuse, New York 13212

MEMORANDUM

May 13, 2025

To: Tracey Garland, New York State Department of Environmental Conservation

From: Jeffrey Poulsen, Parsons, on behalf of New York State Electric and Gas Corporation

Subject: Clark Street Former MGP Site – Quarterly Monitoring and Annual Sampling Update

The Clark Street Former Manufactured Gas Plant (MGP) Site (NYSDEC Site No. 7-06-008) (Site) is a 3-acre site in Auburn, New York that has been remediated to commercial-use criteria as per an Order on Consent (Index #D0-0002-9309) entered by the New York State Electric and Gas Corporation (NYSEG) with the New York State Department of Environmental Conservation (NYSDEC). The site/remedy layout is shown on **Figure 1**. This memo serves as an update documenting monitoring and sampling activities in 2024.

1.0 Background and Monitoring in 2024

Following the completion of remedial activities at the Site, the Site Management Plan, Parsons 2021 (SMP) was developed to detail long-term monitoring at the Site, which began in 2021. Monitoring consists of three main components:

- A network of non-aqueous phase liquid (NAPL) collection wells was installed at the Site in 2021, as stipulated in the March 2009 Record of Decision (ROD). The recovery wells were installed into bedrock with the goal of recovering residual NAPL, or free product, to the extent practical, and supporting the achievement of Site remedial goals. NAPL removal efforts will be conducted on a quarterly basis for a minimum of two years, continuing until negligible quantities (<0.01 gallons) of NAPL are recovered for three successive collection events (quarters) for each well. Efforts started in July of 2020. Quarter two of 2024 was the three-year mark for conducting NAPL removal at the site. Recommendations on reductions in monitoring are discussed below in Section 6.
- In accordance with the Site Management Plan (SMP), a network of six monitoring wells is being utilized for annual groundwater monitoring at the Site. Overburden monitoring well MW-01B is located at the southeastern border of the Site and serves as an upgradient monitoring well. Two additional overburden monitoring wells (PAR-MW-01 and PAR-MW-02) were installed at the Site in 2021 to augment the pre-existing well network. Three bedrock wells north of the Owasco Outlet (MW-08D, MW-09D, and MW-10D) are also monitored due to historic impacts. Groundwater samples are collected annually and analyzed for Site-specific contaminants of concern (COCs). Sampling conducted in 2024 marked the fifth post-remedy monitoring event. The SMP does not set a duration of the annual groundwater monitoring program. Future recommendations on monitoring frequency will be developed in coordination with NYSDEC.

2.0 Groundwater Flow Direction

2.1 Overburden Well Gaging Results – 2024

Overburden wells, or wells with their entire screen length above bedrock (MW-PAR-01, MW-PAR-02), were gaged during the 2024 annual groundwater sampling event on September 24, 2024. The water depths for overburden wells are shown in **Table 1.**

2.2 Bedrock Well Gaging Results – 2024

Bedrock wells, or wells that are screened partially or completely within bedrock (MW-01B, MW-08D, MW-09D, MW-10D,), were gaged during 2024 annual groundwater sampling event on September 24, 2024. The water depths for bedrock wells are shown in **Table 1**.

2.3 Hydraulic Gradient

Local topography and proximity of the Site to the Owasco Outlet suggests groundwater in the overburden likely flows in a northerly direction, where it discharges into the Owasco Outlet, as shown on **Figure 2a**. Contours were not generated for the overburden as only two wells are screened above bedrock.

Water level data collected in Fall 2024 was used to generate contours of the hydraulic gradient within bedrock at the Site. Groundwater in bedrock is predominantly controlled by fractures in the Onondaga Limestone and appears to be flowing in a northwesterly direction, as shown on **Figure 2b and 2c**.

NYSDEC concluded, in a December 12, 2022 email to Parsons, that there is an eastward component of groundwater flow in bedrock, based on apparent MGP impacts to MW-11D, MW-12D, and MW-14D. These wells are not included in the monitoring plan; as a result, these wells were not included in evaluations of hydraulic gradient or contaminant distribution.

3.0 Groundwater Sampling

Annual groundwater sampling is conducted at the Site, as specified in the SMP. The 2024 annual groundwater sampling event was completed on September 24, 2024. The next groundwater sampling event is expected to take place late in the third quarter, or early in the fourth quarter, of 2025.

As specified in the SMP, groundwater samples collected for annual monitoring are analyzed for VOCs, specifically benzene, toluene, ethylbenzene, and xylenes (BTEX), and total polycyclic aromatic hydrocarbons (PAHs).

3.1 Groundwater Sampling Methods and Techniques

Groundwater samples were collected from overburden wells MW-PAR-01, and MW-PAR-02 and bedrock wells MW-01B, MW-08D, MW-09D, MW-10D, during the 2024 annual monitoring event. Groundwater samples were collected using low-flow/low-stress techniques. The groundwater in each monitoring well was purged using a peristaltic pump and dedicated high-density polyethylene sample tubing. Water quality parameters were measured in 5-minute intervals until the following stabilization criteria were met for three successive readings:

- Temperature ± 1°C
- Specific conductance ± 3%
- pH ± 0.1 standard units
- Dissolved oxygen ± 10%
- Turbidity ± 10%, or <10 NTU

Water quality parameter measurements and field observations during sampling were recorded on groundwater sampling forms, which are provided in **Appendix A-1**.

Groundwater samples were collected directly from dedicated sample tubing into laboratory-supplied sample bottles. For quality assurance/quality control (QA/QC) purposes, a field blank, a trip blank, a field duplicate sample, and a matrix spike/matrix spike duplicate pair sample were collected. The samples were submitted to Eurofins (Amherst) for the following analyses:

- VOCs via method SW8260C
- PAHs via method 8270D

3.2 Groundwater Analytical Results – 2024

Groundwater samples were collected from MW-01B, MW-08D, MW-09D, MW-10D, MW-PAR-01, and MW-PAR-02 on September 24, 2024. The laboratory analytical results are shown in **Table 2**. VOC and SVOC concentrations were compared to NYSDEC Class GA Ambient Water Quality Standards (AWQS), which are listed in the Division of Water Technical and Operational Guidance Series (1.1.1). The AWQS are referred to as "criteria" in the following paragraphs.

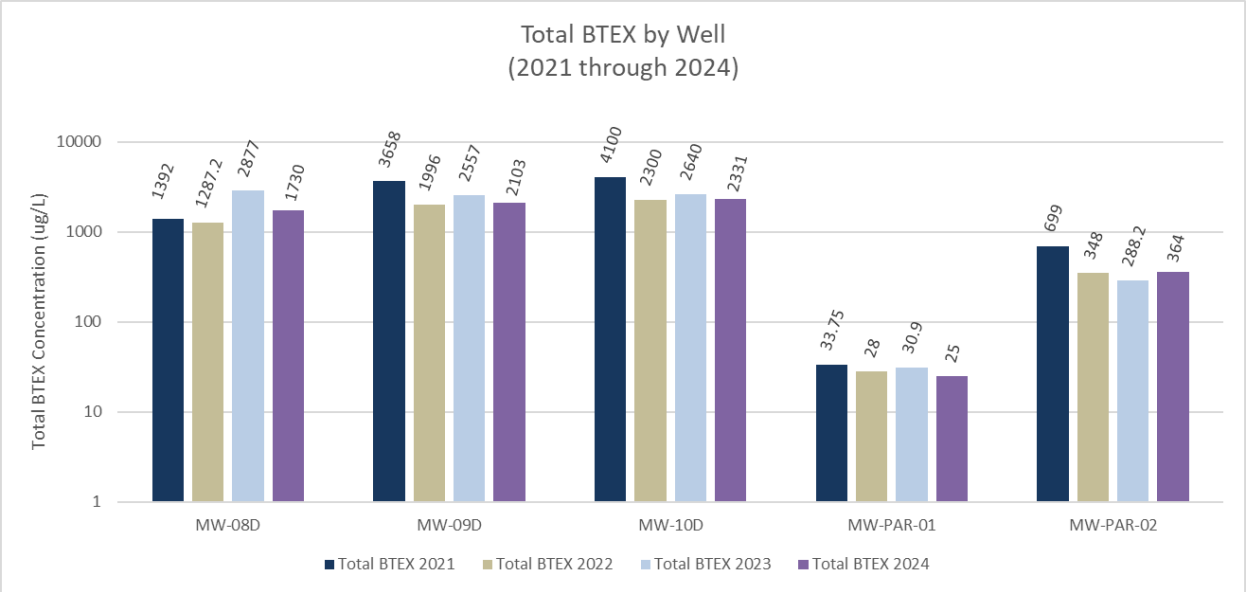
Groundwater analytical results for BTEX compounds exceeded criteria in MW-08D, MW-09D, MW-10D, MW-PAR-01, and MW-PAR-02. The highest detection for a single analyte was 2,100 micrograms per liter (ug/L) of ethylbenzene in MW-10D.

The total concentration of BTEX compounds was summed for each of the groundwater samples collected. Concentrations of BTEX ranged from non-detect (<5 ug/L in MW-01B to 3,231 ug/L in MW-10D).

Groundwater analytical results for target PAHs exceeded criteria in MW-08D, MW-09D, MW-10D, MW-PAR-01, and MW-PAR-02. The highest detection for a single analyte was 9,000 ug/L of naphthalene in MW-09D.

Analytical results for compounds exceeding the criteria for each monitoring well are shown on **Figure 3**.

Total BTEX compound concentrations from 2021 through 2024 sampling events are shown on the following chart. BTEX concentrations remained stable in MW-01B with concentrations being non-detect (<5 ug/L) from 2021 to 2024. Starting in 2024, the plot for MW-01B has been removed from the graphing. BTEX in all wells has remained relatively stable from 2022 through 2024.



3.3 Quality Control and Data Validation

Data validation was completed on the groundwater samples referenced above in accordance with the analytical methodologies, U.S. Environmental Protection Agency (USEPA) Standard Operating Procedures (SOPs) as well as the project Quality Assurance Project Plan (QAPP) contained in the Appendix I of the SMP. All data were considered usable following data validation.

Validated analytical are included in **Table 2**. A Data Usability and Summary Report (DUSR) has been prepared for this Site and is included as **Appendix B**. The final Level 2 laboratory analytical report from Eurofins is included as **Appendix C**.

4.0 NAPL Removal

NAPL removal at the Site was completed using a combination of two methods. The appropriate method for each well was selected based on the amount of NAPL observed within the sump, either as measured via electronic interface probe (EIP), observed as staining on a weighted cotton string, or smearing/staining of an absorbent sock during the initial sampling events.

The first NAPL removal method (passive) consists of deploying hydrophobic absorbent socks (absorbent socks) in the bottom of the recovery wells and allowing to accumulate NAPL between quarterly removal events. This method is utilized in wells where there is not enough accumulated NAPL to collect via active methods (discussed below). The absorbent sock dimensions are 1.5-inch diameter by 2-foot long. This sizing allows for efficient installation and is sufficient for the smaller amounts of NAPL observed within passive removal recovery wells.

The second NAPL removal method (active) consists of removing free product accumulated within a recovery well sump using a peristaltic pump.

Active NAPL recovery allows for a direct measurement of NAPL thickness in those wells with accumulating product, and facilitates the calculation of NAPL removed, across each event. The goal of using active removal

methods is to optimize the volume of NAPL removed beyond what would be accomplished through periodic changing of absorbent socks, while also allowing for evaluation of trends in NAPL thickness over time, as discussed in Section 4.2.

Active NAPL removal is completed on a quarterly basis. In 2024 three wells (RW-03, RW-04, and RW-07) continued to accumulate between 0.05 and 2.00 gallons each quarter. Throughout 2024 NAPL was removed from RW-03, RW-04 and RW-07 using the active method. Wells RW-01, RW-02, RW-05, RW-06, RW-08, RW-09, and RW-10 all used the passive method.

4.1 Passive Removal – Absorbent Socks

Absorbent socks were deployed in wells that did not exhibit a discernable volume of free product accumulated in the sump after the two-week accumulation period described above. New socks were deployed in the bottom 24 inches of RW-01, RW-02, RW-05, RW-06, RW-08 through RW-10 during the 2024 NAPL removal events.

Passive NAPL removal events were completed in:

- March 2024
- June 2024
- September 2024
- November 2024

The mass of each sock is measured prior to deployment and again following removal. The difference between the initial mass (m_i) and final mass (m_f) is assumed to be due to NAPL absorption because of the hydrophobic nature of the absorbent material. The difference in masses is used to estimate the volume of NAPL removed from the subsurface, based on an assumed NAPL density of 3.82 kilogram per gallon (kg/gal)[1], as shown below:

$V_{NAPL} = \frac{m_f - m_i}{\rho_{NAPL}}$ Where:

V_{NAPL} = volume of NAPL removed (in gallons)
m_i = initial mass of the absorbent sock (in kilograms)
m_f = final mass of the absorbent sock (in kilograms)
ρ_{NAPL} = assumed NAPL density of 3.82 kg/gal

Absorbent socks were deployed and replaced in RW-01, RW-02, RW-05, RW-06, RW-08, RW-09, and RW-10 quarterly throughout 2024. NAPL removal volumes are shown in **Table 3**.

4.2 Active Removal - Pumping

Sufficient NAPL to warrant pumping was observed within RW-03, RW-04 and RW-07 throughout 2024. The thickness of NAPL measured within RW-03, RW-04, and RW-07 ranged from 0-4 inches thick in 2024. Measured NAPL thicknesses were used to estimate the volume of NAPL present within each well. The largest accumulated volume of NAPL estimated during a single event was 0.22 gallons within RW-07, as shown in **Table 3**.

[1] The assumed density of coal tar was selected from *An Illustrated Handbook of DNAPL Transport and Fate in the Subsurface*, published by the Environment Agency in 2003, which was accessed through the United States Environmental Protection Agency's (USEPA) Contaminated Site Clean-Up Information (CLU-IN) website.

NAPL was removed from RW-03, RW-04 and RW-07 using a peristaltic pump and HDPE tubing. The tubing was gently advanced to the bottom of the sump, with care being taken to avoid dispersing the accumulated NAPL. The peristaltic pump flow rate was set relatively low (100 – 500 milliliters per minute, or 0.03 – 0.08 gallons per minute) to minimize potential mixing of water and NAPL and prevent clogging the sample tubing. The target pumping duration was calculated based on the measured flow rates and NAPL volumes of each well. Pumping durations at RW-03, RW-04 and RW-07 exceeded the target pump duration and continued until the liquid removed from the well was observed to be predominantly clear. The total amount of NAPL removed from each well was recorded and summarized in **Table 3.** The NAPL removal logs are included in **Appendix A-2**.

The recovery wells were allowed to recharge while absorbent socks were deployed in the remaining on-site recovery wells designated for passive removal. Depths to water and product were remeasured in RW-03, RW-04 and RW-07 after one hour to determine if any NAPL remained or if additional NAPL had accumulated. No NAPL was observed in RW-03, RW-04 or RW-07 following this recovery period.

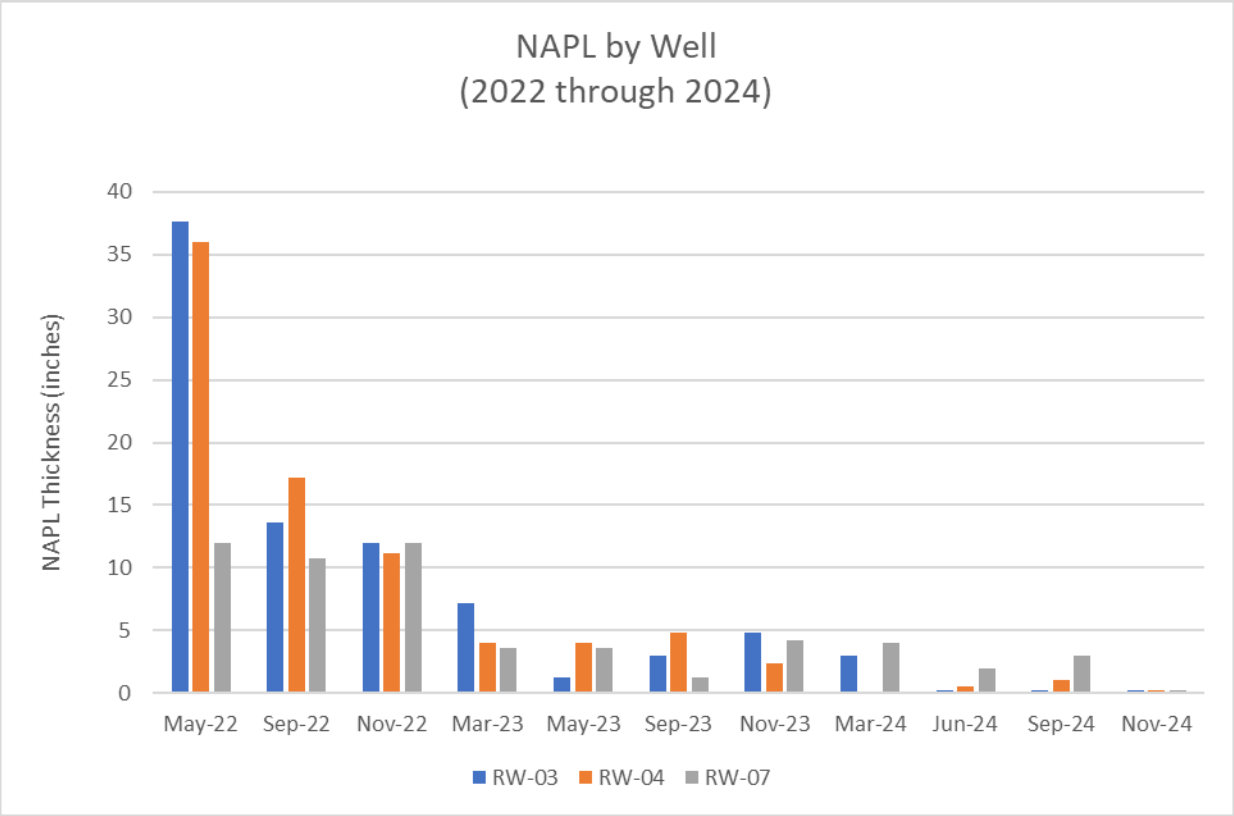
Similarly, the buckets used to collect purged media from RW-03, RW-04 and RW-07 were allowed to rest undisturbed for one hour. No observable differentiation between NAPL and water was observed, therefore the liquid removed from each recovery well is assumed to have been predominantly NAPL.

Absorbent socks were not deployed in RW-03, RW-04 or RW-07. All recovery wells were regauged during each quarter's removal event. Significant NAPL is observed to have accumulated within RW-03, RW-04 and RW-07.Parsons recommends NAPL removal in all three wells continue to be conducted using the approach detailed above.

The following trends in recovery well product accumulation have been observed since the beginning of monitoring:

- Product thickness has decreased by as much as 3.0 feet in RW-03, although there were variations throughout 2024.
- Product thickness has decreased by as much as 2.95 feet in RW-04, although there were variations throughout 2024.
- Product thickness has decreased by as much as 0.9 feet in RW-07, although there were variations throughout 2024.

Accumulated NAPL thicknesses in RW-03, RW-04, and RW-07 are depicted in the chart below.



5.0 Monitoring and Maintenance

5.1 Vegetation Monitoring and Invasive Species Treatment

Monitoring activities performed at the Site in 2024 included a qualitative vegetation survey, which was performed concurrently with the sitewide erosion inspection on December 18, 2024. The site is well vegetated and dominated by native grassland vegetation. Switchgrass (Panicum virgatum) is the dominant grass species. At the time of the survey, the vegetation was senesced for the year but were still easily identifiable. The qualitative survey indicated that the Site is currently meeting performance goals for perennial vegetative cover. A photographic log from the qualitative assessment is provided in **Appendix D**. The limits of the qualitative vegetation survey are show in **Figure 4**.

As documented in the qualitative survey, the Site was generally dominated by perennial native grasses and herbs including switchgrass (*Panicum virgatum)* and Canada goldenrod (*Solidago canadensis*). No invasive species were observed during the qualitative vegetation survey. Overall percent cover of seeded areas was estimated to be 100 percent, exceeding the performance goal of 85 percent cover. The qualitative survey also documented the presence of woody planted and naturally colonizing trees and shrubs. Natural colonization of the Site by native woody trees is high. Numerous saplings of eastern cottonwood (*Populus deltoides*), eastern sycamore (*Platanus occidentalis*), staghorn sumac (*Rhus typhina*), box elder (*Acer negundo*), and black walnut (*Juglans nigra*) were found on Site. A final quantitative plot survey will be performed in 2025 to confirm that the Site has met performance goals.

5.2 Erosion Inspection

In accordance with the SMP, a sitewide inspection was performed on December 18, 2024, to assess the general conditions of the Site, the condition and effectiveness of the engineering controls, and compliance with the institutional controls. The Site was observed to be in good condition, with no bare spots or erosion. No maintenance or follow up actions are recommended. The inspection form is included as **Appendix E** of this document.

6.0 Recommendations

In accordance with the SMP (Section 4.5), Quarterly collection of NAPL is recommended at the Site for two years. Following the initial two years of NAPL collection (August 2021 through September 2023) the frequency of monitoring will be evaluated in conjunction with NYSDEC to increase, decrease, or remain the same depending on the amount of NAPL being collected. While there have been significant decreases in the volumes of NAPL collected, there is still a sufficient quantity (greater than 0.01 gallons) to warrant active collection from the three recovery wells (RW-03, RW-04, RW-07) as well as the passive collection wells.

In accordance with the SMP (Section 4.4) annual vegetative reviews are required beginning in 2020 and continuing to 2024. Because a quantitative survey was not performed in 2024, a final quantitative vegetation survey will be completed in 2025 to verify that conditions have been met.

7.0 References

Parsons 2021. Site Management Plan, Clark Street Former Manufactured Gas Plant Site NYSDEC No. 7-06-008, July 2021

Enc: Figure 1 – Site/Remedy Layout
Figure 2a – Overburden Groundwater Flow Direction (October 2024)
Figure 2b – Bedrock Groundwater Flow Direction (June 2024)
Figure 2c – Bedrock Groundwater Flow Direction (September 2024)
Figure 3 – Groundwater analytical Results Summary (September 2024)
Figure 4 – Limits of Qualitative Survey

Table 1 – Well Gaging Data (2024)
Table 2 – Groundwater and QC Analytical Result Summary (2024)
Table 3 – NAPL Removal Summary (2024)

Appendix A-1 – Groundwater Sampling Logs
Appendix A-2 – NAPL Removal Logs
Appendix B – Data Usability Summary Report (2024)
Appendix C – Eurofins Level 2 Laboratory Analytical Report

Appendix D – 2024 Maintenance and Monitoring Photographic Log
Appendix E – Site Management Form

cc: Anne Burnham (Parsons)
Zack Cornish (Parsons)
Scott Tucker (Rambol)

FIGURES

LEGEND:

- NATURAL GAS LINE
- OVERHEAD ELECTRIC
- EXISTING CONTOUR
- EXISTING UTILITY POLE
- EXISTING BUILDING
- DESIGN SEDIMENT REMOVAL LIMITS (NOTE 4)
- EDGE OF WATER
- REMEDIAL CONSTRUCTION PHASE 1
- *PHASE 2 (NOT SHOWN) – ACTIVITIES COMPLETED BY NYSEG
- REMEDIAL CONSTRUCTION PHASE 3
- ENVIRONMENTAL EASEMENT/SITE BOUNDARY (NOTE 2)
- REMEDIAL CONSTRUCTION PHASE 4
- SOIL STABILIZATION WALL
- SOIL STABILIZATION WALL REMOVED SECTION (NOTE 3)
- SITE COVER
- ECOLOGICAL BUFFER ZONE
- MONITORING WELL
- NAPL COLLECTION WELL
- 2010 PDI SAMPLE LOCATION T-12-C (NOTE 5)

NOTES:

1. GAS LINES AND OVERHEAD ELECTRIC/POLES WITHIN THE PHASE 3 AREA WERE RELOCATED DURING PHASE 2 ACTIVITIES.
2. THE ENVIRONMENTAL EASEMENT/SITE BOUNDARY FOR CLARK ST (APPENDIX A) CONTAINS THE ENTIRETY OF PARCEL 115.50-2-37. NO PARCEL BOUNDARY SURVEY WAS LOCATED DURING PREPARATION OF THIS DOCUMENT, THE LINE SHOWN IS ESTIMATED FOR ILLUSTRATION ONLY.
3. DESIGN LOCATION OF ISS WALL REMOVED SECTIONS FROM ARCADIS DESIGN DRAWING G22 "SOIL STABILIZATION WALL REMOVAL PLAN" AUGUST 2014.
4. LOCATIONS OF DESIGN SEDIMENT REMOVAL LIMITS TAKEN FROM ARCADIS DESIGN DRAWING G6 "GENERAL REMOVAL PLAN", AUGUST 2014.
5. LOCATION OF 2010 SEDIMENT SAMPLE T-12-C TAKEN FROM ARCADIS DESIGN DRAWING G16 "SEDIMENT REMOVAL PLAN (PHASE 4)", AUGUST 2014.

100 50 0 100 200

SCALE: 1"=100'

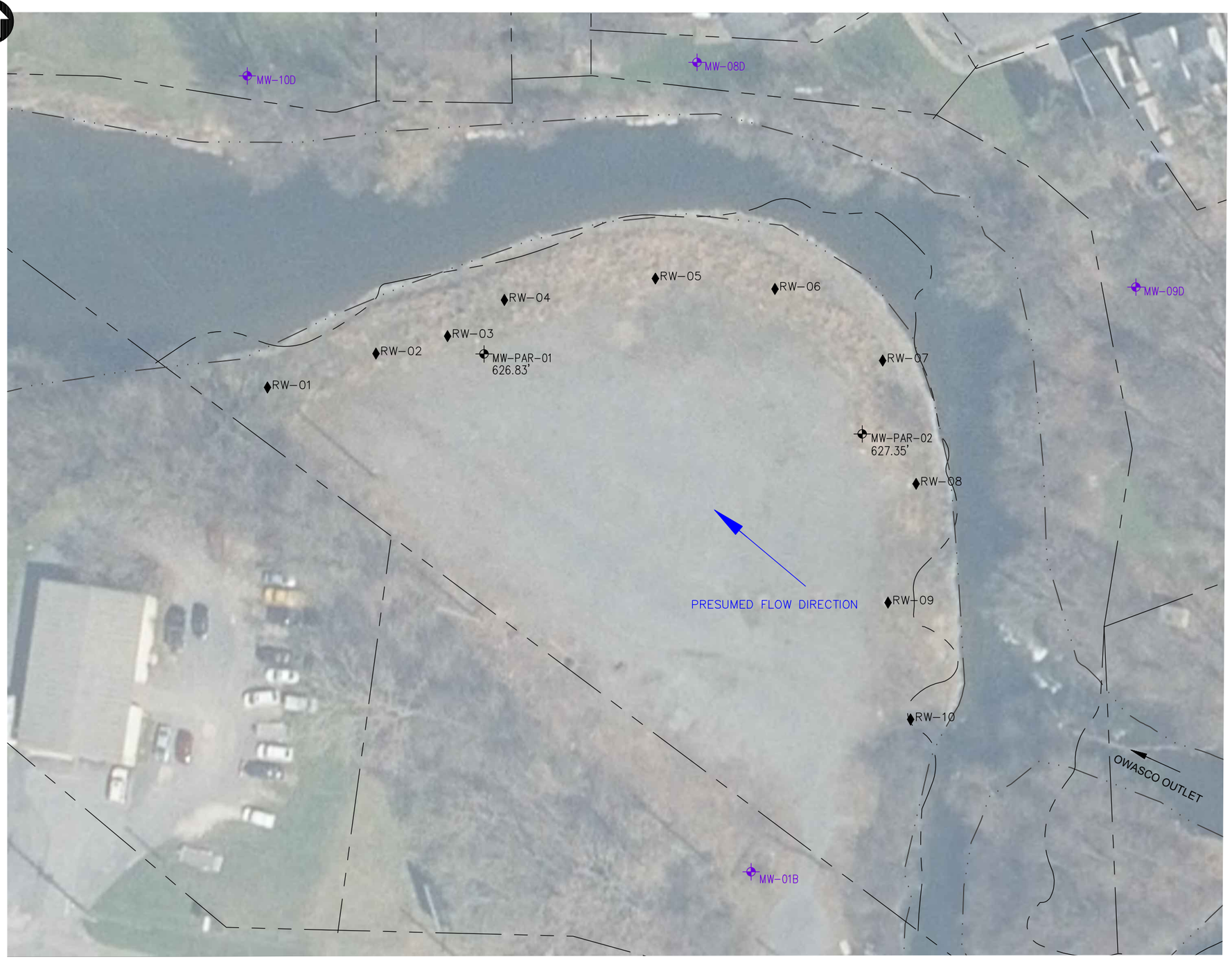
FIGURE 1

NYSEG CLARK STREET FORMER MGP SITE
(SITE NO. 706008)
AUBURN, NEW YORK

SITE/REMEDY LAYOUT

PARSONS
301 Plainfield Rd. Ste 350, Syracuse, NY. Ph: 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\452562 & 452563 AUBURN CLARK & MCMASTER STREETS\08 TECHNICAL\CAD\CLARK ST\2023-2024 PRR FIGURES\FIGURE 3.1 SITE REMEDY LAYOUT.DWG
PLOT DATE: 4/5/2024 9:58 AM PLOTTED BY: NASSIMOS, JEFFREY [US-US]



50 25 0 50 100

SCALE: 1"=50'

LEGEND:

——— - - ———	PROPERTY BOUNDARY (SEE NOTE 1)
♦	RECOVERY WELL
⊕	OVERBURDEN MONITORING WELL
⊕	BEDROCK MONITORING WELL
626.83'	GROUNDWATER ELEVATION

NOTE:

1. PROPERTY LINE DIGITIZED FROM INFORMATION TAKEN FROM CAYUGA COUNTY GIS, 2024. LOCATION IS APPROXIMATE.

FIGURE 2a

NYSEG
CLARK STREET FORMER MGP SITE

OVERBURDEN GROUNDWATER FLOW DIRECTION (OCTOBER 2024)

PARSONS
301 Plainfield Rd, Ste 350, Syracuse, NY, Ph: 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\454022 – NY–NYSEG CLARK ST LONG TERM OMM\10 TECHNICAL CATEGORIES\CAD\CLARK ST\2024 ANNUAL SAMPLING REPORT\FIGURE 2A OVERBURDEN GROUNDWATER FLOW DIRECTION OCTOBER 2024.DWG
PLOT DATE: 3/12/2025 9:08 AM PLOTTED BY: NASSIMOS, JEFFREY [US–US]

LEGEND:

- PROPERTY BOUNDARY (SEE NOTE 1)
- RECOVERY WELL
- OVERBURDEN MONITORING WELL
- BEDROCK MONITORING WELL
- 627.50' GROUNDWATER ELEVATION
- GROUNDWATER CONTOUR (INTERVAL 0.5')
- GROUNDWATER FLOW DIRECTION

NOTE:

1. PROPERTY LINE DIGITIZED FROM INFORMATION TAKEN FROM CAYUGA COUNTY GIS, 2024. LOCATION IS APPROXIMATE.

50 25 0 50 100

SCALE: 1"=50'

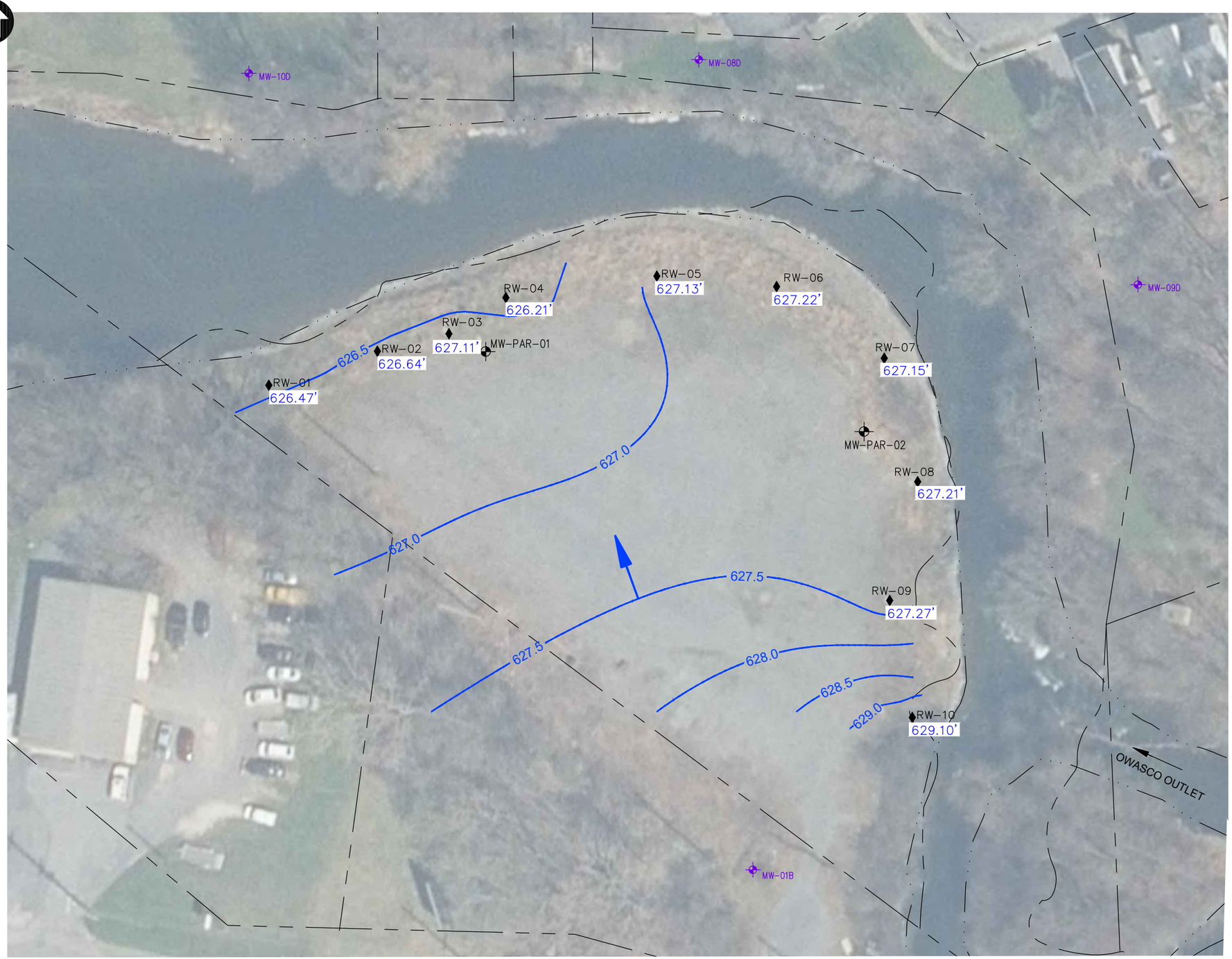
FIGURE 2b

NYSEG
CLARK STREET FORMER MGP SITE

BEDROCK GROUNDWATER FLOW DIRECTION (JUNE 2024)

PARSONS
301 Plainfield Rd, Ste 350, Syracuse, NY, Ph: 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\454022 – NY–NYSEG CLARK ST LONG TERM OMM\10 TECHNICAL CATEGORIES\CAD\CLARK ST\2024 ANNUAL SAMPLING REPORT\FIGURE 2B AND 2C BEDROCK GROUNDWATER FLOW DIRECTION (JUNE AND SEPTEMBER 2024).DWG
PLOT DATE: 5/12/2025 1:24 PM PLOTTED BY: NASSIMOS, JEFFREY [US–US]



LEGEND:

- PROPERTY BOUNDARY (SEE NOTE 1)
- RECOVERY WELL
- OVERBURDEN MONITORING WELL
- BEDROCK MONITORING WELL
- 627.22' GROUNDWATER ELEVATION
- GROUNDWATER CONTOUR (INTERVAL 0.5')
- GROUNDWATER FLOW DIRECTION

NOTE:

1. PROPERTY LINE DIGITIZED FROM INFORMATION TAKEN FROM CAYUGA COUNTY GIS, 2024. LOCATION IS APPROXIMATE.

50 25 0 50 100

SCALE: 1"=50'

FIGURE 2c

NYSEG
CLARK STREET FORMER MGP SITE

BEDROCK GROUNDWATER FLOW DIRECTION (SEPTEMBER 2024)

PARSONS
301 Plainfield Rd, Ste 350, Syracuse, NY, Ph: 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\454022 – NY-NYSEG CLARK ST LONG TERM OMM\10 TECHNICAL CATEGORIES\CAD\CLARK ST\2024 ANNUAL SAMPLING REPORT\FIGURE 2B AND 2C BEDROCK GROUNDWATER FLOW DIRECTION (JUNE AND SEPTEMBER 2024).DWG
PLOT DATE: 5/12/2025 1:25 PM PLOTTED BY: NASSIMOS, JEFFREY [US-US]

LEGEND:

- ENVIRONMENTAL EASEMENT/SITE BOUNDARY (NOTE 4)
- RECOVERY WELL
- OVERBURDEN MONITORING WELL
- BEDROCK MONITORING WELL

NOTES:

1. PROPERTY LINE DIGITIZED FROM INFORMATION TAKEN FROM CAYUGA COUNTY GIS, 2024. LOCATION IS APPROXIMATE.
2. VALUES SHOWN IN ug/L.
3. TABLE QUALIFIERS:
   - 3.A. U: COMPOUNDS NOT DETECTED ABOVE THE REPORTING LIMIT
   - 3.B. J: ESTIMATED VALUE
   - 3.C. SHADED INDICATES EXCEED CLASS GA STANDARDS.
4. THE ENVIRONMENTAL EASEMENT/SITE BOUNDARY FOR CLARK ST CONTAINS THE ENTIRETY OF PARCEL 115.50-2-37. NO PARCEL BOUNDARY SURVEY WAS LOCATED DURING PREPARATION OF THIS DOCUMENT, THE LINE SHOWN IS ESTIMATED FOR ILLUSTRATION ONLY.

FIGURE 3

NYSEG
CLARK STREET FORMER MGP SITE

GROUNDWATER ANALYTICAL RESULTS SUMMARY (SEPTEMBER 2024)

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\454022 - NY-NYSEG CLARK ST LONG TERM OMM\10 TECHNICAL CATEGORIES\CAD\CLARK ST\2024 ANNUAL SAMPLING REPORT\FIGURE 3 GROUNDWATER ANALYTICAL RESULTS SUMMARY.DWG
PLOT DATE: 4/1/2025 11:29 AM PLOTTED BY: NASSIMOS, JEFFREY [US-US]

OWASCO OUTLET

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OWASCO OUTLET

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LEGEND:

- BANK STONE
- VEGETATED BANK
- ECOLOGICAL BUFFER SEEDING (LIMIT OF QUALITATIVE VEGETATION SURVEY)
- ENVIRONMENTAL EASEMENT/SITE BOUNDARY (FIGURE 3.1, NOTE 2)
- EDGE OF WATER
- FINAL GRADE CONTOUR

40 20 0 40 80

SCALE: 1"=40'

FIGURE 4

NYSEG CLARK STREET FORMER MGP SITE
(SITE NO. 706008)
AUBURN, NEW YORK

LIMITS OF QUALITATIVE SURVEY

PARSONS
301 Plainfield Rd. Ste 350, Syracuse, NY. Ph: 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\452562 & 452563 AUBURN CLARK & MCMASTER STREETS\08 TECHNICAL\CAD\CLARK ST\2023-2024 PRR FIGURES\FIGURE 4 VEGETATION PLOTS-2024.DWG
PLOT DATE: 2/7/2025 9:32 AM PLOTTED BY: RUSSO, JILL [US-US]

TABLES

TABLE 1
CLARK STREET
WATER LEVEL GAUGING DATA
2024

Well ID	TOC Elevation (feet)[1]	Screened Interval (feet BGS)	Sump Interval (feet BGS)	Hydrologic Unit Code[3]	Water Depth (feet BTOC) March 2024	Groundwater Elevation (FASL) March 2024	Product Thickness (inches) March 2024	Water Depth (feet BTOC) June 2024	Groundwater Elevation (FASL) June 2024	Product Thickness (inches) June 2024
RW-01	630.19	8.1 - 23.1	23.1 - 28.2	BR	3.25	626.94	0	3.51	626.68	0
RW-02	630.68	9.2 - 19.2	19.2 - 24.3	BR	3.49	627.19	0	3.57	627.11	0
RW-03	630.26	7.3 - 22.3	22.3 - 27.7	BR	2.84	627.42	3	2.75	627.51	0.25
RW-04	630.81	7.4 - 47.4	47.4 - 52.8	BR	4.24	626.57	0	5.41	625.40	0.5
RW-05	630.60	7.9 - 67.9	67.9 - 73.1	BR	2.88	627.72	0	2.91	627.69	0
RW-06	630.77	7.1 - 22.1	22.1 - 27.2	BR	2.93	627.84	0	3.21	627.56	0
RW-07	630.55	8.1 - 28.1	28.1 - 34.0	BR	2.45	628.1	4	3.05	627.50	2
RW-08	631.51	8.8 - 23.8	23.8 - 29.0	BR	3.05	628.46	0	3.84	627.67	0
RW-09	632.62	8.1 - 23.1	23.1 - 29.2	BR	3.05	629.57	0	4.85	627.77	0
RW-10	633.37	8.9 - 23.9	24.0 - 28.1	BR	3.31	630.06	0	3.85	629.52	0
MW-08D	632.67[(2)]	Open (12.9-65.6)	NA	BR	NA	NA	NA	NA	NA	NA
MW-09D	634.29[(2)]	15 - 35	35 - 45	BR	NA	NA	NA	NA	NA	NA
MW-10D	630.24[(2)]	Open (9.5-59.5)	NA	BR	NA	NA	NA	NA	NA	NA
MW-PAR-01	631.04	7.1 - 12.1	NA	OB	NA	NA	NA	NA	NA	NA
MW-PAR-02	631.47	4.0 - 12.6	NA	OB	NA	NA	NA	NA	NA	NA
MW-01B	638.14[(2)]	Open (20.5-30.5)	NA	BR	NA	NA	NA	NA	NA	NA

1: Top of Casing (TOC) elevation was surveyed using the North American Vertical Datum of 1988 (NAVD88)

2: Top of Casing (TOC) elevation was surveyed in feet above mean sea level (amsl)

3: Hydrologic Unit Code refers to aquifer well is screened/set in, overburden (OB) or bedrock (BR).

NM*: Not Measured

NA: Not Applicable

BTOC: below top of casing

BGS: below ground surface

FASL: feet above mean sea level

BR: Bedrock

OB: Overburden

TABLE 1
CLARK STREET
WATER LEVEL GAUGING DATA
2024

Well ID	TOC Elevation (feet)[1]	Screened Interval (feet BGS)	Sump Interval (feet BGS)	Hydrologic Unit Code[3]	Water Depth (feet BTOC) September 2024	Groundwater Elevation (FASL) September 24, 2024	Product Thickness (inches) September 2024	Water Depth (feet BTOC) November 2024	Groundwater Elevation (FASL) November 2024	Product Thickness (inches) November 2024
RW-01	630.19	8.1 - 23.1	23.1 - 28.2	BR	3.72	626.47	0	2.47	627.72	0
RW-02	630.68	9.2 - 19.2	19.2 - 24.3	BR	4.04	626.64	0	2.74	627.94	0
RW-03	630.26	7.3 - 22.3	22.3 - 27.7	BR	3.15	627.11	0.25	3.11	627.15	0.25
RW-04	630.81	7.4 - 47.4	47.4 - 52.8	BR	4.60	626.21	1	3.88	626.93	0.25
RW-05	630.60	7.9 - 67.9	67.9 - 73.1	BR	3.47	627.13	0	2.44	628.16	0
RW-06	630.77	7.1 - 22.1	22.1 - 27.2	BR	3.55	627.22	0	2.63	628.14	0
RW-07	630.55	8.1 - 28.1	28.1 - 34.0	BR	3.40	627.15	3	2.55	628.00	0.25
RW-08	631.51	8.8 - 23.8	23.8 - 29.0	BR	4.30	627.21	0	2.85	628.66	0
RW-09	632.62	8.1 - 23.1	23.1 - 29.2	BR	5.35	627.27	0	4.36	628.26	0
RW-10	633.37	8.9 - 23.9	24.0 - 28.1	BR	4.27	629.10	0	4.3	629.07	0
MW-08D	632.67[(2)]	Open (12.9-65.6)	NA	BR	6.49	626.18	0	NA	NA	NA
MW-09D	634.29[(2)]	15 - 35	35 - 45	BR	6.61	627.68	0.25	NA	NA	NA
MW-10D	630.24[(2)]	Open (9.5-59.5)	NA	BR	4.05	626.19	0	NA	NA	NA
MW-PAR-01	631.04	7.1 - 12.1	NA	OB	4.21	626.83	0	NA	NA	NA
MW-PAR-02	631.47	4.0 - 12.6	NA	OB	4.12	627.35	0	NA	NA	NA
MW-01B	638.14[(2)]	Open (20.5-30.5)	NA	BR	11.65	626.49	0	NA	NA	NA

1: Top of Casing (TOC) elevation was surveyed using the North American Vertical Datum of 1988 (NAV

2: Top of Casing (TOC) elevation was surveyed in feet above mean sea level (amsl)

3: Hydrologic Unit Code refers to aquifer well is screened/set in, overburden (OB) or bedrock (BR).

NM*: Not Measured

NA: Not Applicable

BTOC: below top of casing

BGS: below ground surface

FASL: feet above mean sea level

BR: Bedrock

OB: Overburden

TABLE 2

CLARK STREET
GROUNDWATER ANALYTICAL RESULTS
2024

			Location ID	MW-08D	MW-09D	MW-10D	MW-PAR-01	MW-PAR-02	MW-01B
			Field Sample ID	MW-08D-09242024	MW-09D-09242024	MW-10D-09242024	MW-PAR-01-09242024	MW-PAR-02-09242024	MW-01B-09242024
			Matrix	WG	WG	WG	WG	WG	WG
			Lab Sample ID	480-223688-2	480-223688-3	480-223688-1	480-223688-6	480-223688-7	480-223688-8
			SDG	4802236881	4802236881	4802236881	4802236881	4802236881	4802236881
			Sample Date	9/24/2024	9/24/2024	9/24/2024	9/24/2024	9/24/2024	9/24/2024
			Sample Type Code	N	N	N	N	N	N
Chemical Name	**CAS_RN**	**Unit**	**NYSDEC Class GA**						
Volatile Organic Compounds (Method 8260)									
Benzene	71-43-2	ug/L	1	550	180	650	25	250	1 U
Ethylbenzene	100-41-4	ug/L	5	990	1800	2100	1 U	54	1 U
Toluene	108-88-3	ug/L	5	40 U	23	11	1 U	10 U	1 U
Xylenes	1330-20-7	ug/L	5	190	1100	470	2 U	60	2 U
m,p-Xylene	179601-23-1	ug/L	NS	80 U	720	85	2 U	9.9 J	2 U
o-Xylene	95-47-6	ug/L	NS	190	420	380	1 U	50	1 U
Semivolatile Organic Compounds (Method 8270)									
Acenaphthene	83-32-9	ug/L	20	120 J	410 J	150 J	170	250	5 U
Acenaphthylene	208-96-8	ug/L	NS	1000 U	2500 U	1100 U	50 U	250 U	5 U
Anthracene	120-12-7	ug/L	50	1000 U	2500 U	1100 U	50 U	250 U	5 U
Benzo(A)Anthracene	56-55-3	ug/L	0.002	1000 U	2500 U	1100 U	50 U	250 U	5 U
Benzo(A)Pyrene	50-32-8	ug/L	ND	1000 U	2500 U	1100 U	50 U	250 U	5 U
Benzo(B)Fluoranthene	205-99-2	ug/L	0.002	1000 U	2500 U	1100 U	50 U	250 U	5 U
Benzo(G,H,I)Perylene	191-24-2	ug/L	NS	1000 U	2500 U	1100 U	50 U	250 U	5 U
Benzo(K)Fluoranthene	207-08-9	ug/L	0.002	1000 U	2500 U	1100 U	50 U	250 U	5 U
Chrysene	218-01-9	ug/L	0.002	1000 U	2500 U	1100 U	50 U	250 U	5 U
Dibenz(A,H)Anthracene	53-70-3	ug/L	NS	1000 U	2500 U	1100 U	50 U	250 U	5 U
Fluoranthene	206-44-0	ug/L	50	1000 U	2500 U	1100 U	6.6 J	250 U	5 U
Fluorene	86-73-7	ug/L	50	1000 U	2500 U	1100 U	37 J	51 J	5 U
Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/L	0.002	1000 U	2500 U	1100 U	50 U	250 U	5 U
Naphthalene	91-20-3	ug/L	10	3600	9000	5000	50 U	560	5 U
Phenanthrene	85-01-8	ug/L	50	1000 U	290 J	1100 U	19 J	81 J	5 U
Pyrene	129-00-0	ug/L	NS	1000 U	2500 U	1100 U	10 J	250 U	5 U

WG: water sample
U:Indicates the analyte was analyzed for but not detected.
J:Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Shaded: exceeds the Class GA Criteria/Standard
ug/L: micrograms per liter (ppb)
NS: no standard or criteria is cited in TOGS 1.1.1
ND: non detect

TABLE 3
CLARK STREET
NAPL REMOVAL SUMMARY
2024

	March 2024			June 2024			September 2024			November 2024			Cumulative
Well ID	Sock Mass Initial (g)	Sock Mass Final (g)	Mass Removed (g)	Sock Mass Initial (g)	Sock Mass Final (g)	Mass Removed (g)	Sock Mass Initial (g)	Sock Mass Final (g)	Mass Removed (g)	Sock Mass Initial (g)	Sock Mass Final (g)	Mass Removed (g)	Volume Removed (gal)
RW-01	310	570	260	330	660	330	340	600	260	310	490	180	0.27
RW-02	340	570	230	320	670	350	300	340	40	210	560	350	0.25
RW-03	-	-	7,646	-	-	1,911	-	-	1,911	-	-	5,734	4.50
RW-04	-	-	3,823	-	-	7,646	-	-	1,911	-	-	3,823	4.50
RW-05	370	480	110	370	640	350	340	520	180	360	660	300	0.25
RW-06	360	490	130	350	570	220	340	510	170	330	550	220	0.19
RW-07	-	-	11,469	-	-	11,469	-	-	2,867	-	-	3,823	7.75
RW-08	410	600	190	350	700	350	380	560	180	350	590	240	0.25
RW-09	420	560	140	290	550	260	370	540	170	370	510	140	0.19
RW-10	330	580	250	290	620	330	470	500	30	310	390	80	0.18

TOTAL NAPL REMOVED (2024) (KG)	70.07
TOTAL NAPL REMOVED (2024) (gal)	18.3

Notes:

Mass Removed for RW-03, RW-04, RW-07 2023 was calculated based on volume of product removed via pumping, converted to mass using a product density of 1010 kg/m^3, or 3.82 kg/gal.

(g): grams

APPENDIX A-1 – GROUNDWATER SAMPLING LOGS

Low Flow Ground Water Sampling Log

Date	09/24/24	Personnel	Evan Zelenz	Weather	Cloudy, 60's
Site Name	Clark	Evacuation Method	Geo Pump	Well #	MW-01-B
Site Location	Auburn, NY	Sampling Method	Low Flow	Project #	452562

Well information:

Depth of Well	32.2 ft.	*Measurements taken from:		
Depth to Water	11.65 ft.		X	Top of Well Casing
H_{wc}	20.55 ft.			Top of Protective Casing
Depth to Intake	27 ft.			(Other, Specify)

Start Purge Time: 12:55

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
5	12.55	12.23	6.48	3.06	-186	0.47	1	235
10	12.88	12.19	6.44	3.06	-191	0.39	0	235
15	13.04	12.01	6.42	3.05	-194	0.32	0	235
20	13.3	12	6.41	3.05	-195	0.3	0	235
25	13.41	11.98	6.41	3.02	-194	0.29	0	235
30	13.65	11.94	6.41	3.02	-194	0.28	0	235

End Purge Time: 13:22

Water Sample

Time Collected: 13:30

Total volume of purged water removed: 3.5 (gallons)

Physical appearance at start:

Color: Clear
Odor: Petro
Sheen/Free Product: Sheen

Physical appearance at start:

Color: Clear
Odor: Petro
Sheen/Free Product: Sheen

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
8260 C	250 Glass Amber	2	No	None	**NA**
BTEX	40 mL VOA	3	No	HCL	**NA**

Low Flow Ground Water Sampling Log

Date	09/24/24	Personnel	Zack Cornish	Weather	Cloudy, 60's
Site Name	Clark	Evacuation Method	Geo Pump	Well #	MW-8D
Site Location	Auburn, NY	Sampling Method	Low Flow	Project #	452562

Well information:

Depth of Well	65.28 ft.	*Measurements taken from:	
Depth to Water	6.49 ft.	X	Top of Well Casing
H_{wc}	58.79 ft.		Top of Protective Casing
Depth to Intake	60 ft.		(Other, Specify)

Start Purge Time: 10:40

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
10	6.68	14.34	7.47	0.827	-171	0.42	0	200
15	6.7	14.39	7.47	0.828	-172	0.36	0	200
20	6.7	14.57	7.47	0.831	-183	0.27	0	200
25	6.71	14.74	7.47	0.833	-187	0.28	0	200
30	6.72	15.02	7.46	0.83	-194	0.3	0	200
35	6.73	15.18	7.47	0.829	-196	0.31	0	200
40	6.73	15.21	7.47	0.828	-197	0.32	0	200

End Purge Time: 11:25

Water Sample

Time Collected: 11:30

Total volume of purged water removed: 1.5 (gallons)

Physical appearance at start:

Color: Clear/ Black Fleck
Odor: Petro
Sheen/Free Product: Sheen

Physical appearance at start:

Color: Clear
Odor: Petro
Sheen/Free Product: Sheen

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
8260 C	250 Glass Amber	2	No	None	**NA**
BTEX	40 mL Voa	3	No	HCL	**NA**

Low Flow Ground Water Sampling Log

Date	09/24/24	Personnel	Zack Cornish	Weather	Cloudy, 65
Site Name	Clark	Evacuation Method	Geo Pump	Well #	MW-9D
Site Location	Auburn, NY	Sampling Method	Low Flow	Project #	452562

Well information:

Depth of Well	39.8 ft.	*Measurements taken from:	
Depth to Water	6.61 ft.	X	Top of Well Casing
H_{wc}	33.19 ft.		Top of Protective Casing
Depth to Intake	35 ft.		(Other, Specify)

Start Purge Time: 11:50

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
20	Purge until no NAPL to avoid damaging Horiba							
30	7.18	12.88	7.4	1.11	-142	2.66	17.1	300
35	7.2	12.27	7.47	1.12	-146	2.63	17.3	300
40	7.21	12.01	7.45	1.13	-150	2.71	18.1	300

End Purge Time: 12:30

Water Sample

Time Collected: 12:40

Total volume of purged water removed: 5 (gallons)

Physical appearance at start:		Physical appearance at start:	
Color	Clear/ Blebs	Color	Brown
Odor	Petro	Odor	Petro
Sheen/Free Product	Free Product	Sheen/Free Product	Sheen

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
8260 C	250 Glass Amber	2	No	None	**NA**
BTEX	40 mL Voa	3	No	HCL	**NA**

Low Flow Ground Water Sampling Log

Date	09/24/24	Personnel	Zack Cornish	Weather	Cloudy, 60's
Site Name	Clark	Evacuation Method	Geo Pump	Well #	MW-10D
Site Location	Auburn, NY	Sampling Method	Low Flow	Project #	452562

Well information:

Depth of Well	59.72 ft.	*Measurements taken from:	
Depth to Water	4.05 ft.	X	Top of Well Casing
H_{wc}	55.67 ft.		Top of Protective Casing
Depth to Intake	55 ft.		(Other, Specify)

Start Purge Time: 09:18

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
5	4.25	13.3	7.14	1.21	-132	0.86	0	200
10	4.3	13.24	7.27	1.16	-150	0.42	8.2	200
15	4.32	13.17	7.32	1.13	-162	0.19	8.8	200
20	4.35	13.13	7.34	1.12	-168	0.25	1.9	200
25	4.36	13.11	7.35	1.12	-169	0.23	1.3	200
30	4.38	13.1	7.36	1.12	-171	0.25	1.5	200

End Purge Time: 09:50

Water Sample

Time Collected: 09:55

Total volume of purged water removed: 1.5 (gallons)

Physical appearance at start:

Color: Clear
Odor: Petro
Sheen/Free Product: Sheen

Physical appearance at start:

Color: Clear
Odor: Petro
Sheen/Free Product: Sheen

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
8260 C	250 Glass Amber	2	No	None	**NA**
BTEX	40 mL Voa	3	No	HCL	**NA**

Low Flow Ground Water Sampling Log

Date	09/24/24	Personnel	Evan Zelenz	Weather	Cloudy, 60's
Site Name	Clark	Evacuation Method	Geo Pump	Well #	MW-PAR-01
Site Location	Auburn, NY	Sampling Method	Low Flow	Project #	452562

Well information:

Depth of Well	13.47 ft.	*Measurements taken from:		
Depth to Water	4.21 ft.		X	Top of Well Casing
H_{wc}	9.26 ft.			Top of Protective Casing
Depth to Intake	10 ft.			(Other, Specify)

Start Purge Time: 09:05

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
5	5.23	14.44	6.02	1.69	-153	0.56	52	280
10	5.34	14.36	6.08	1.71	-152	0.47	16.5	280
15	5.38	14.36	6.11	1.72	-151	0.43	2.4	280
20	5.4	14.29	6.14	1.7	-151	0.39	0.3	280
25	5.47	14.29	6.16	1.7	-152	0.37	0	280
30	5.48	14.32	6.18	1.7	-153	0.35	0	280
35	5.48	14.33	6.20	1.68	-152	0.36	0	280

End Purge Time: 09:40

Water Sample

Time Collected: 09:45

Total volume of purged water removed: 3.5 (gallons)

Physical appearance at start:		Physical appearance at start:	
Color	Light brown	Color	Clear
Odor	Petro	Odor	None
Sheen/Free Product	None	Sheen/Free Product	Sheen

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
8260 C	250 Glass Amber	8	No	None	**NA**
BTEX	40 mL VOA	12	No	HCL	**NA**

Low Flow Ground Water Sampling Log

Date	09/24/24	Personnel	Evan Zelenz	Weather	Cloudy, 60's
Site Name	Clark	Evacuation Method	Geo Pump	Well #	MW-PAR-02
Site Location	Auburn, NY	Sampling Method	Low Flow	Project #	452562

Well information:

Depth of Well	12.91 ft.	*Measurements taken from:	
Depth to Water	4.12 ft.	X	Top of Well Casing
H_{wc}	8.79 ft.		Top of Protective Casing
Depth to Intake	9 ft.		(Other, Specify)

Start Purge Time: 11:22

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
5	5.07	16.67	6.36	1.62	-138	0.55	1	300
10	5.4	16.72	6.3	1.61	-150	0.39	0	300
15	5.65	16.76	6.29	1.6	-159	0.36	0	300
20	5.9	16.78	6.3	1.59	-163	0.34	0	300
25	6.03	16.77	6.3	1.59	-166	0.34	0	300
30	6.1	16.73	6.32	1.58	-168	0.33	0	300

End Purge Time: 11:52

Water Sample

Time Collected: 11:55

Total volume of purged water removed: 3.5 (gallons)

Physical appearance at start:		Physical appearance at start:	
Color	Clear	Color	Clear
Odor	Petro	Odor	Petro
Sheen/Free Product	Sheen	Sheen/Free Product	Sheen

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
8260 C	250 Glass Amber	2	No	None	**NA**
BTEX	40 mL Voa	3	No	HCL	**NA**

APPENDIX A-2 – NAPL REMOVAL LOGS

NAPL REMOVAL LOG

Date	3/6/2024	Field Personnel	Z. Cornish	Weather	50 F, Rain
Site Name	Clark Street	Contractor/Driller	N/A	Well #	RW-03
Site Location	Auburn, NY	Evacuation Method	Peristaltic Pump	Date Installed:	2021

Well information:

DTW (initial)	2.84	ft.	Measurements taken from:	TOC	
DTW (final)	4.05	ft.	Well Diameter:	4	in.
DTP (initial)	24.42	ft.	Pump intake depth:	24.72	ft.
DTP (final)	24.72	ft.	Initial NAPL thickness:	3.00	In.
DTB (in record)[2]	24.72	ft.	Initial NAPL volume[1]:	0.163	gal.

Start pump time:	1305	Target Pump Duration	20	min
End pump time:	1325	Actual Pump Duration	20	min
Total time:	20			

Duration (min)	Flow Rate (mL/min)	Depth to Product (ft)	Relative Percentage NAPL : Water	Appearance of Water/Other Comments
5	500	NM[3]	50:50	Gray water with blebs and sheen
10	500	NM[3]	20:80	Light Gray water with some blebs and sheen
15	500	NM[3]	10:90	Light gray water with trace blebs and sheen
20	500	NM[3]	5:95	Clear water with sheen

Follow-up gauging information:

Measurement time	1325	(HH:MM)
DTP (follow-up)	None	ft.

Notes/Comments:
(1) Inital NAPL volume = pi*r2*h; r= well radius (inches), h=NAPL thickness (inches) [calcd volume = cubic in, x .004329 for gallons]
(2) Pulled DTB from previous sampling record
(3) DTP not measured during pumping, unable to advance probe past tubing.

Purge liquid characteristics:

Total volume of NAPL removed: 2 Gallons

Physical appearance at start:		Physical appearance at stop:	
Color	Gray-Brown	Color	Clear
Odor	Hydrocarbon	Odor	Hydrocarbon
Sheen/Free Product	Both	Sheen/Free Product	Sheen

Additional Field Notes: Lets sit for 30 min. Sheen on top, gray water in middle, 200 mL product on bottom

NAPL REMOVAL LOG

Date	3/6/2024	Field Personnel	Z. Cornish	Weather	50 F, Rain
Site Name	Clark Street	Contractor/Driller	N/A	Well #	RW-04
Site Location	Auburn, NY	Evacuation Method	Peristaltic Pump	Date Installed:	2021

Well information:

DTW (initial)	4.24 ft.	Measurements taken from:	TOC
DTW (final)	5.70 ft.	Well Diameter:	4 in.
DTP (initial)	48.70 ft.	Pump intake depth:	48.70 ft.
DTP (final)	48.70 ft.	Initial NAPL thickness:	0.00 In.
DTB (in record)[2]	48.70 ft.	Initial NAPL volume[1]:	0 gal.

Start pump time:	1235	Target Pump Duration	15 min
End pump time:	1250	Actual Pump Duration	15 min
Total time:	15		

Duration (min)	Flow Rate (mL/min)	Depth to Product (ft)	Relative Percentage NAPL : Water	Appearance of Water/Other Comments
5	500	NM[3]	20:80	Gray-Brown, some blebs
10	500	NM[3]	10:90	Clear water with trace blebs and sheen
15	500	NM[3]	5:95	Clear water with sheen

Follow-up gauging information:

Measurement time	1250	(HH:MM)
DTP (follow-up)	None	ft.

Notes/Comments:
(1) Inital NAPL volume = pi*r2*h; r= well radius (inches), h=NAPL thickness (inches) [calcd volume = cubic in, x .004329 for gallons]
(2) Pulled DTB from previous sampling record
(3) DTP not measured during pumping, unable to advance probe past tubing.

Purge liquid characteristics:

Total volume of NAPL removed: 1 Gallon

Physical appearance at start:		Physical appearance at stop:	
Color	Gray-Brown	Color	Clear
Odor	Hydrocarbon	Odor	Hydrocarbon
Sheen/Free Product	Heavy	Sheen/Free Product	Sheen

Additional Field Notes: Let sit for 30 min. Sheen on top, gray water in middle, 100 mL product on bottom
MGP materical impacted clay and silt in bottom of sump. Released when bottom is agitated.

NAPL REMOVAL LOG

Date	3/6/2024	Field Personnel	Z. Cornish	Weather	50 F, Rain
Site Name	Clark Street	Contractor/Driller	N/A	Well #	RW-07
Site Location	Auburn, NY	Evacuation Method	Peristaltic Pump	Date Installed:	2021

Well information:

DTW (initial)	2.45 ft.	Measurements taken from:	TOC
DTW (final)	4.31 ft.	Well Diameter:	4 in.
DTP (initial)	32.85 ft.	Pump intake depth:	33.25 ft.
DTP (final)	33.25 ft.	Initial NAPL thickness:	4.00 In.
DTB (in record)[2]	33.25 ft.	Initial NAPL volume[1]:	0.217 gal.

Start pump time:	1340	Target Pump Duration	30 min
End pump time:	1410	Actual Pump Duration	30 min
Total time:	30		

Duration (min)	Flow Rate (mL/min)	Depth to Product (ft)	Relative Percentage NAPL : Water	Appearance of Water/Other Comments
5	500	NM[3]	60:40	Dark Gray-Black, blebs, sheen, silt
10	500	NM[3]	30:70	Gray water with blebs and silt
15	500	NM[3]	30:70	Gray water with blebs and silt
20	500	NM[3]	30:70	Gray water with blebs and silt
25	500	NM[3]	20:80	Light gray water with some blebs
30	500	NM[3]	5:95	Clear water with sheen

Follow-up gauging information:

Measurement time	1415	(HH:MM)
DTP (follow-up)	NA	ft.

Notes/Comments:
(1) Inital NAPL volume = pi*r2*h; r= well radius (inches), h=NAPL thickness (inches) [calcd volume = cubic in, x .004329 for gallons]
(2) Pulled DTB from previous sampling record
(3) DTP not measured during pumping, unable to advance probe past tubing.

Purge liquid characteristics:

Total volume of NAPL removed: 3 Gallons

Physical appearance at start:		Physical appearance at stop:	
Color	Dark Gray	Color	Clear
Odor	Hydrocarbon	Odor	Hydrocarbon
Sheen/Free Product	Both	Sheen/Free Product	Sheen

Additional Field Notes: Lets sit for 30 min. Sheen on top, gray water in middle, 500 mL product on bottom
MGP materical impacted clay and silt in bottom of sump. Released when bottom is agitated.

NAPL REMOVAL LOG

Date	6/5/2024	Field Personnel	Z. Cornish	Weather	Sunny, 80F
Site Name	Clark Street	Contractor/Driller	N/A	Well #	RW-03
Site Location	Auburn, NY	Evacuation Method	Peristaltic Pump	Date Installed:	2021

Well information:

DTW (initial)	2.75	ft.	Measurements taken from:	TOC	
DTW (final)	5.14	ft.	Well Diameter:	4	in.
DTP (initial)	24.7	ft.	Pump intake depth:	24.72	ft.
DTP (final)	24.72	ft.	Initial NAPL thickness:	0.25	In.
DTB (in record)[2]	24.72	ft.	Initial NAPL volume[1]:	0.01	gal.

Start pump time:	1305	Target Pump Duration	10	min
End pump time:	1315	Actual Pump Duration	10	min
Total time:	10			

Duration (min)	Flow Rate (mL/min)	Depth to Product (ft)	Relative Percentage NAPL : Water	Appearance of Water/Other Comments
5	700	NM[3]	30:70	Gray water with blebs and sheen
10	700	NM[3]	0:100	Clear water with trace sheen

Follow-up gauging information:

Measurement time	13:25	(HH:MM)
DTP (follow-up)	NA	ft.

Notes/Comments:
(1) Inital NAPL volume = pi*r2*h; r= well radius (inches), h=NAPL thickness (inches) [calcd volume = cubic in, x .004329 for gallons]
(2) Pulled DTB from previous sampling record
(3) DTP not measured during pumping, unable to advance probe past tubing.

Purge liquid characteristics:

Total volume of NAPL removed: 0.5 Gallons

Physical appearance at start:		Physical appearance at stop:	
Color	Gray	Color	Clear
Odor	Hydrocarbon	Odor	Hydrocarbon
Sheen/Free Product	Both	Sheen/Free Product	Sheen

Additional Field Notes: Little free product. O.5 Gallons of MGP impacted water purged.

NAPL REMOVAL LOG

Date	6/5/2024	Field Personnel	Z. Cornish	Weather	80 F, Sunny
Site Name	Clark Street	Contractor/Driller	N/A	Well #	RW-04
Site Location	Auburn, NY	Evacuation Method	Peristaltic Pump	Date Installed:	2021

Well information:

DTW (initial)	5.41 ft.	Measurements taken from:	TOC
DTW (final)	7.05 ft.	Well Diameter:	4 in.
DTP (initial)	48.65 ft.	Pump intake depth:	48.70 ft.
DTP (final)	48.70 ft.	Initial NAPL thickness:	0.50 In.
DTB (in record)[2]	48.70 ft.	Initial NAPL volume[1]:	0.03 gal.

Start pump time:	14:00	Target Pump Duration	15 min
End pump time:	14:15	Actual Pump Duration	15 min
Total time:	15		

Duration (min)	Flow Rate (mL/min)	Depth to Product (ft)	Relative Percentage NAPL : Water	Appearance of Water/Other Comments
5	700	NM[3]	60:40	Gray-Brown, some blebs
10	700	NM[3]	5:95	Clear, trace blebs, sheen
15	700	NM[3]	0:100	Clear, slight Sheen

Follow-up gauging information:

Measurement time	1450	(HH:MM)
DTP (follow-up)	None	ft.

Notes/Comments:
(1) Inital NAPL volume = pi*r2*h; r= well radius (inches), h=NAPL thickness (inches) [calcd volume = cubic in, x .004329 for gallons]
(2) Pulled DTB from previous sampling record
(3) DTP not measured during pumping, unable to advance probe past tubing.

Purge liquid characteristics:

Total volume of NAPL removed: 1 Gallon

Physical appearance at start:		Physical appearance at stop:	
Color	Brown	Color	Clear
Odor	Hydrocarbon	Odor	Hydrocarbon
Sheen/Free Product	Both	Sheen/Free Product	Sheen

Additional Field Notes: 500 mL free product. The rest of the 1 gallon was MGP impacted water.
MGP materical impacted clay and silt in bottom of sump. Released when bottom is agitated.

NAPL REMOVAL LOG

Date	6/5/2024	Field Personnel	Z. Cornish, J. Poulsen	Weather	80 F, Sunny
Site Name	Clark Street	Contractor/Driller	N/A	Well #	RW-07
Site Location	Auburn, NY	Evacuation Method	Peristaltic Pump	Date Installed:	2021

Well information:

DTW (initial)	3.05 ft.	Measurements taken from:	TOC
DTW (final)	4.50 ft.	Well Diameter:	4 in.
DTP (initial)	33.38 ft.	Pump intake depth:	33.40 ft.
DTP (final)	33.40 ft.	Initial NAPL thickness:	2.00 In.
DTB (in record)[2]	33.40 ft.	Initial NAPL volume[1]:	0.11 gal.

Start pump time:	11:45	Target Pump Duration	30 min
End pump time:	12:15	Actual Pump Duration	30 min
Total time:	30		

Duration (min)	Flow Rate (mL/min)	Depth to Product (ft)	Relative Percentage NAPL : Water	Appearance of Water/Other Comments
5	700	NM[3]	75:25	Brown/Gray water with blebs, sheen, silt
10	700	NM[3]	50:50	Gray, blebs and silt
15	700	NM[3]	50:50	Gray, blebs and silt
20	700	NM[3]	50:50	Gray, blebs and silt
25	700	NM[3]	50:50	Gray, blebs and silt
30	700	NM[3]	50:50	Gray water with sheen
35	700	NM[3]	30 :70	Light gray, some blebs
40	700	NM[3]	10 :90	Light gray, trace blebs
45	700	NM[3]	5 :95	Clear water with trace blebs

Follow-up gauging information:

Measurement time	12:15	(HH:MM)
DTP (follow-up)	NA	ft.

Notes/Comments:
(1) Inital NAPL volume = pi*r2*h; r= well radius (inches), h=NAPL thickness (inches) [calcd volume = cubic in, x .004329 for gallons]
(2) Pulled DTB from previous sampling record
(3) DTP not measured during pumping, unable to advance probe past tubing.

Purge liquid characteristics:

Total volume of NAPL removed: 3 Gallons

Physical appearance at start:		Physical appearance at stop:	
Color	Brown	Color	Clear
Odor	Hydrocarbon	Odor	Hydrocarbon
Sheen/Free Product	Both	Sheen/Free Product	Both

Additional Field Notes: Lets sit for 30 min. Sheen on top, gray water in middle, 500 ML DNAPL on bottom
MGP material impacted clay and silt in bottom of sump. MGP released when bottom is agitated.

NAPL REMOVAL LOG

Date	9/25/24	Field Personnel	Z. Cornish	Weather	Cloudy 65F
Site Name	Clark Street	Contractor/Driller	N/A	Well #	RW-03
Site Location	Auburn, NY	Evacuation Method	Low Flow	Date Installed:	2021

Well information:

DTW (initial)	3.15	ft.	Measurements taken from:	TOC	
DTW (final)	4.00	ft.	Well Diameter:	4"	in.
DTP (initial)	24.70	ft.	Pump intake depth:	24.72	ft.
DTP (final)	24.72	ft.	Initial NAPL thickness:	0.25	In.
DTB (in record)[2]	24.72	ft.	Initial NAPL volume[1]:	0.013	gal.

Start pump time:	11:00	Target Pump Duration	15	min
End pump time:	11:15	Actual Pump Duration	15	min
Total time:	15			

Duration (min)	Flow Rate (mL/min)	Depth to Product (ft)	Relative Percentage NAPL : Water	Appearance of Water/Other Comments
5	700	NM[3]	60:40	Clear with some large blebs
10	700	NM[3]	95:5	Clear with heavy sheen

Follow-up gauging information:

Measurement time	11:20	(HH:MM)
DTP (follow-up)	0	ft.

Notes/Comments:
(1) Inital NAPL volume = pi*r2*h; r= well radius (inches), h=NAPL thickness (inches) [calcd volume = cubic in, x .004329 for gallons]
(2) Pulled DTB from previous sampling record
(3) DTP not measured during pumping, unable to advance probe past tubing.

Purge liquid characteristics:

Total volume of NAPL removed: 0.5 Gallons

Physical appearance at start:		Physical appearance at stop:	
Color	Clear-Brown	Color	Clear
Odor	Petro	Odor	Petro
Sheen/Free Product	Both	Sheen/Free Product	Both

Additional Field Notes:

< 100 mL pure product. The rest of the 0.5 gallons was clear with sheen.

NAPL REMOVAL LOG

Date	9/25/24	Field Personnel	Z. Cornish	Weather	Rain 66F
Site Name	Clark Street	Contractor/Driller	N/A	Well #	RW-04
Site Location	Auburn, NY	Evacuation Method	Low Flow	Date Installed:	2021

Well information:

DTW (initial)	4.60	ft.	Measurements taken from:	TOC	
DTW (final)	5.61	ft.	Well Diameter:	4	in.
DTP (initial)	48.60	ft.	Pump intake depth:	48.70	ft.
DTP (final)	48.70	ft.	Initial NAPL thickness:	1.00	In.
DTB (in record)[2]	48.70	ft.	Initial NAPL volume[1]:	0.05	gal.

Start pump time:	10:30	Target Pump Duration	20	min
End pump time:	10:50	Actual Pump Duration	20	min
Total time:	20			

Duration (min)	Flow Rate (mL/min)	Depth to Product (ft)	Relative Percentage NAPL : Water	Appearance of Water/Other Comments
5	500	NM[3]	100:0	Black, free product
10	500	NM[3]	50:50	Clear to gray water with Blebs
15	500	NM[3]	95:5	Clear water with trace blebs

Follow-up gauging information:

Measurement time	10:50	(HH:MM)
DTP (follow-up)	0	ft.

Notes/Comments:
(1) Inital NAPL volume = pi*r2*h; r= well radius (inches), h=NAPL thickness (inches) [calcd volume = cubic in, x .004329 for gallons]
(2) Pulled DTB from previous sampling record
(3) DTP not measured during pumping, unable to advance probe past tubing.

Purge liquid characteristics:

Total volume of NAPL removed: 0.5 Gallons

Physical appearance at start:		Physical appearance at stop:	
Color	Black	Color	Clear
Odor	Petro	Odor	Petro
Sheen/Free Product	Both	Sheen/Free Product	Both

Additional Field Notes:

250 mL free product, the rest of 0.5 gallons was MGP impacted water.

NAPL REMOVAL LOG

Date	9/25/24	Field Personnel	Z. Cornish	Weather	Rain 66F
Site Name	Clark Street	Contractor/Driller	N/A	Well #	RW-07
Site Location	Auburn, NY	Evacuation Method	Low Flow	Date Installed:	2021

Well information:

DTW (initial)	3.40 ft.	Measurements taken from:	Sump 5" Bottle
DTW (final)	3.38 ft.	Well Diameter:	4" in.
DTP (initial)	33.10 ft.	Pump intake depth:	33.40 ft.
DTP (final)	33.40 ft.	Initial NAPL thickness:	3.00 In.
DTB (in record)[2]	33.40 ft.	Initial NAPL volume[1]:	0.16 gal.

Start pump time:	10:00	Target Pump Duration	20 min
End pump time:	10:20	Actual Pump Duration	20 min
Total time:	20		

Duration (min)	Flow Rate (mL/min)	Depth to Product (ft)	Relative Percentage NAPL : Water	Appearance of Water/Other Comments
5	500	NM[3]	100:0	Black, free product
10	500	NM[3]	75:25	Gray water with Blebs
15	500	NM[3]	50:50	Gray water with Some Blebs
20	500	NM[3]	5:95	Clear water with trace Blebs

Follow-up gauging information:

Measurement time	10:20	(HH:MM)
DTP (follow-up)	NA	ft.

Notes/Comments:
(1) Inital NAPL volume = pi*r2*h; r= well radius (inches), h=NAPL thickness (inches) [calcd volume = cubic in, x .004329 for gallons]
(2) Pulled DTB from previous sampling record
(3) DTP not measured during pumping, unable to advance probe past tubing.

Purge liquid characteristics:

Total volume of NAPL removed: 0.75 Gallons

Physical appearance at start:		Physical appearance at stop:	
Color	Black	Color	Clear
Odor	Petro	Odor	Petro
Sheen/Free Product	Both	Sheen/Free Product	Both

Additional Field Notes:

500 mL free product, rest of the 0.75 gallons was MGP impacted water.

NAPL REMOVAL LOG

Date	11/13/24	Field Personnel	Z. Cornish	Weather	Sunny, 45F
Site Name	Clark Street	Contractor/Driller	N/A	Well #	RW-03
Site Location	Auburn, NY	Evacuation Method	Low Flow	Date Installed:	2021

Well information:

DTW (initial)	3.11	ft.	Measurements taken from:	TOC	
DTW (final)	5.09	ft.	Well Diameter:	4	in.
DTP (initial)	24.70	ft.	Pump intake depth:	24.72	ft.
DTP (final)	24.72	ft.	Initial NAPL thickness:	0.25	In.
DTB (in record)[2]	24.72	ft.	Initial NAPL volume[1]:	0.013	gal.

Start pump time:	12:45	Target Pump Duration	15	min
End pump time:	13:00	Actual Pump Duration	15	min
Total time:	15			

Duration (min)	Flow Rate (mL/min)	Depth to Product (ft)	Relative Percentage NAPL : Water	Appearance of Water/Other Comments
5	700	NM[3]	50:50	Gray water with large blebs
10	700	NM[3]	25:75	Clear water with some small blebs
15	700	NM[3]	5:95	Clear water with trace small blebs

Follow-up gauging information:

Measurement time	13:00	(HH:MM)
DTP (follow-up)	0	ft.

Notes/Comments:
(1) Inital NAPL volume = pi*r2*h; r= well radius (inches), h=NAPL thickness (inches) [calcd volume = cubic in, x .004329 for gallons]
(2) Pulled DTB from previous sampling record
(3) DTP not measured during pumping, unable to advance probe past tubing.

Purge liquid characteristics:

Total volume of NAPL removed: 1.5 Gallons

Physical appearance at start:		Physical appearance at stop:	
Color	Gray	Color	Clear
Odor	Petro	Odor	Petro
Sheen/Free Product	Both	Sheen/Free Product	Both

Additional Field Notes: Less than 200 mL free product. The rest of the 1.5 gallons was MGP impacted water.

NAPL REMOVAL LOG

Date	11/13/24	Field Personnel	Z. Cornish	Weather	Sunny, 48F
Site Name	Clark Street	Contractor/Driller	N/A	Well #	RW-04
Site Location	Auburn, NY	Evacuation Method	Low Flow	Date Installed:	2021

Well information:

DTW (initial)	3.88	ft.	Measurements taken from:	TOC	
DTW (final)	4.75	ft.	Well Diameter:	4	in.
DTP (initial)	48.68	ft.	Pump intake depth:	48.70	ft.
DTP (final)	48.70	ft.	Initial NAPL thickness:	0.25	In.
DTB (in record)[2]	48.70	ft.	Initial NAPL volume[1]:	0.013	gal.

Start pump time:	12:00	Target Pump Duration	15	min
End pump time:	12:15	Actual Pump Duration	15	min
Total time:	15			

Duration (min)	Flow Rate (mL/min)	Depth to Product (ft)	Relative Percentage NAPL : Water	Appearance of Water/Other Comments
5	700	NM[3]	50:50	Gray water with large blebs
10	700	NM[3]	25:75	Clear water with some blebs
15	700	NM[3]	5:95	Clear water with trace small blebs

Follow-up gauging information:

Measurement time	12:15	(HH:MM)
DTP (follow-up)	0	ft.

Notes/Comments:
(1) Inital NAPL volume = pi*r2*h; r= well radius (inches), h=NAPL thickness (inches) [calcd volume = cubic in, x .004329 for gallons]
(2) Pulled DTB from previous sampling record
(3) DTP not measured during pumping, unable to advance probe past tubing.

Purge liquid characteristics:

Total volume of NAPL removed: 1 Gallon

Physical appearance at start:		Physical appearance at stop:	
Color	Gray	Color	Clear
Odor	Petro	Odor	Petro
Sheen/Free Product	Both	Sheen/Free Product	Both

Additional Field Notes:

Less than 100 mL free product. 1 Gallon of water with sheen.

NAPL REMOVAL LOG

Date	11/13/24	Field Personnel	Z. Cornish	Weather	Sunny, 45F
Site Name	Clark Street	Contractor/Driller	N/A	Well #	RW-07
Site Location	Auburn, NY	Evacuation Method	Low Flow	Date Installed:	2021

Well information:

DTW (initial)	2.55	ft.	Measurements taken from:	TOC	
DTW (final)	4.25	ft.	Well Diameter:	4	in.
DTP (initial)	33.38	ft.	Pump intake depth:	33.40	ft.
DTP (final)	33.40	ft.	Initial NAPL thickness:	0.25	In.
DTB (in record)[2]	33.40	ft.	Initial NAPL volume[1]:	0.013	gal.

Start pump time:	11:05	Target Pump Duration	15	min
End pump time:	11:20	Actual Pump Duration	15	min
Total time:	15			

Duration (min)	Flow Rate (mL/min)	Depth to Product (ft)	Relative Percentage NAPL : Water	Appearance of Water/Other Comments
5	700	NM[3]	100:0	Black to Gray water, some product
10	700	NM[3]	25:75	Clear to gray water with some blebs
15	700	NM[3]	5:95	Clear water with trace blebs

Follow-up gauging information:

Measurement time	11:20	(HH:MM)
DTP (follow-up)	0	ft.

Notes/Comments:
(1) Inital NAPL volume = pi*r2*h; r= well radius (inches), h=NAPL thickness (inches) [calcd volume = cubic in, x .004329 for gallons]
(2) Pulled DTB from previous sampling record
(3) DTP not measured during pumping, unable to advance probe past tubing.

Purge liquid characteristics:

Total volume of NAPL removed: 1 Gallon

Physical appearance at start:		Physical appearance at stop:	
Color	Black	Color	Clear
Odor	Petro	Odor	Petro
Sheen/Free Product	Both	Sheen/Free Product	Both

Additional Field Notes: Less than 200mL of free product. The rest of the 1 gallon purged was MGP impacted water.

APPENDIX B – DATA USABILITY SUMMARY REPORT (2024)

DATA USABILITY SUMMARY REPORT

CLARK STREET
FORMER MANUFACTURED GAS PLANT SITE
AUBURN, NEW YORK

Prepared For:

NEW YORK STATE ELECTRIC AND GAS CORPORATION

Prepared By:

PARSONS

301 Plainfield Road, Suite 350
Syracuse, New York 13212

NOVEMBER 2024

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LIST OF ATTACHMENTS

ATTACHMENT A – VALIDATED LABORATORY DATA

SECTION 1 DATA USABILITY SUMMARY

Groundwater samples were collected from the Iberdrola Clark Street site in Auburn, New York on September 24, 2024. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- Work Plan,
- Analytical methodologies, and
- USEPA Region II Standard Operating Procedures (SOPs) for organic data review.

The analytical laboratory for this project was Eurofins – Environment Testing America (Eurofins) in Buffalo, New York. This laboratory is certified to perform project analyses through the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP).

1.1 Laboratory Data Packages

The laboratory data package turnaround time, defined as the time from sample receipt by the laboratory to receipt of the analytical data packages by Parsons, was 6 days for the project samples.

The data packages received from Eurofins were paginated, complete, and overall were of good quality. Comments on specific quality control (QC) and other requirements are discussed in detail in the attached data validation report which is summarized in Section 2.

1.2 Sampling and Chain-of-Custody

The samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received at Eurofins within one day of sampling. All samples were received intact and in good condition at the laboratory.

1.3 Laboratory Analytical Methods

The groundwater samples that were collected from the site were analyzed for the volatiles benzene, toluene, ethylbenzene, and xylenes (BTEX) and polynuclear aromatic hydrocarbons (PAHs). Summaries of issues concerning these laboratory analyses are presented in Subsections 1.3.1 through 1.3.2. The data qualifications resulting from the data validation review and statements on the laboratory analytical precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) are discussed for each analytical method in Section 2. The laboratory data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given,
"UJ" - estimated and not detected at the value given,
"J" - estimated at the value given,
"J+" - estimated biased high at the value given,
"J-" - estimated biased low at the value given,
"N" - presumptive evidence at the value given, and
"R" - unusable value.

The validated laboratory data were tabulated and are presented in Attachment A.

1.3.1 Volatile Organic Analysis

The project samples were analyzed for BTEX using the USEPA SW-846 8260C analytical method. The reported results for these samples did not require qualification resulting from data validation. The reported BTEX analytical results were 100% (i.e., usable) for the project data. PARCCS requirements were met.

1.3.2 Semivolatile Organic Analysis

The project samples were analyzed for PAHs using the USEPA SW-846 8270D analytical method. Certain reported results for these samples were qualified as not detected based upon blank contamination. The reported PAH analytical results were 100% complete (i.e., usable) for the project data. PARCCS requirements were met.

SECTION 2 DATA VALIDATION REPORT

Data review has been completed for data packages generated by Eurofins containing groundwater samples collected from the site. Analytical results from these samples were contained within sample delivery group (SDG) 480-223688-1. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory. The validated laboratory data are presented in Attachment A.

Data validation was performed for all samples in accordance with the most current editions of the USEPA Region II SOPs for organic data review. This data validation and usability report is presented by analysis type.

2.1 BTEX

The following items were reviewed for compliancy in the BTEX analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and trip/equipment blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD precision and accuracy as discussed below.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of the high MSD accuracy results for toluene (123%R; QC limit 80-122%R) and ethylbenzene (125%R; QC limit 77-123%R) during the spiked analyses of sample MW-PAR-01-09242024. Validation qualification was not required for the affected parent sample.

Usability

All BTEX sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The BTEX data presented by Eurofins were 100% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A.

2.2 PAHs

The following items were reviewed for compliancy in the PAH analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- Laboratory method blank and equipment blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD precision and accuracy and blank contamination as discussed below.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for designated spike project samples with the exception of the low MSD accuracy result for fluorene (57%R; QC limit 62-120%R) during the spiked analyses of sample MW-PAR-01-09242024. Validation qualification was not required for affected parent sample.

Blank Contamination

The QC equipment blank associated with the project samples contained naphthalene below the reporting limit at a concentration of 0.97 µg/L. Therefore, results for this compound less than validation action concentrations were considered not detected and qualified “U” for the affected samples.

Usability

All PAH sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The PAH data presented by Eurofins were 100% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A.

ATTACHMENT A – VALIDATED LABORATORY DATA

		Location ID		MW-01B						MW-08D	
		Field Sample ID		EB-09242024		TB-09242024		MW-01B-09242024		MW-08D-09242024	
		Matrix		WQ		WQ		WG		WG	
		Lab Sample ID		480-223688-4		480-223688-5		480-223688-8		480-223688-2	
		SDG		4802236881		4802236881		4802236881		4802236881	
		Sample Date		9/24/2024		9/24/2024		9/24/2024		9/24/2024	
		Sample Type Code		EB		TB		N		N	
Analytical Method	Chemical Name	CAS_RN	Unit								
SW8260C	Benzene	71-43-2	ug/L	1	U	1	U	1	U	550	
SW8260C	Ethylbenzene	100-41-4	ug/L	1	U	1	U	1	U	990	
SW8260C	m,p-Xylene	179601-23-1	ug/L	2	U	2	U	2	U	80	U
SW8260C	O-Xylene (1,2-Dimethylbenzene)	95-47-6	ug/L	1	U	1	U	1	U	190	
SW8260C	Toluene	108-88-3	ug/L	1	U	1	U	1	U	40	U
SW8260C	Xylenes	1330-20-7	ug/L	2	U	2	U	2	U	190	
SW8270D	Acenaphthene	83-32-9	ug/L	5.4	U			5	U	120	J
SW8270D	Acenaphthylene	208-96-8	ug/L	5.4	U			5	U	1000	U
SW8270D	Anthracene	120-12-7	ug/L	5.4	U			5	U	1000	U
SW8270D	Benzo(A)Anthracene	56-55-3	ug/L	5.4	U			5	U	1000	U
SW8270D	Benzo(A)Pyrene	50-32-8	ug/L	5.4	U			5	U	1000	U
SW8270D	Benzo(B)Fluoranthene	205-99-2	ug/L	5.4	U			5	U	1000	U
SW8270D	Benzo(G,H,I)Perylene	191-24-2	ug/L	5.4	U			5	U	1000	U
SW8270D	Benzo(K)Fluoranthene	207-08-9	ug/L	5.4	U			5	U	1000	U
SW8270D	Chrysene	218-01-9	ug/L	5.4	U			5	U	1000	U
SW8270D	Dibenz(A,H)Anthracene	53-70-3	ug/L	5.4	U			5	U	1000	U
SW8270D	Fluoranthene	206-44-0	ug/L	5.4	U			5	U	1000	U
SW8270D	Fluorene	86-73-7	ug/L	5.4	U			5	U	1000	U
SW8270D	Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/L	5.4	U			5	U	1000	U
SW8270D	Naphthalene	91-20-3	ug/L	0.97	J			5	U	3600	
SW8270D	Phenanthrene	85-01-8	ug/L	5.4	U			5	U	1000	U
SW8270D	Pyrene	129-00-0	ug/L	5.4	U			5	U	1000	U

		Location ID		MW-09D		MW-10D		MW-PAR-01		MW-PAR-01	
		Field Sample ID		MW-09D-09242024		MW-10D-09242024		FD-09242024		MW-PAR-01-09242024	
		Matrix		WG		WG		WG		WG	
		Lab Sample ID		480-223688-3		480-223688-1		480-223688-9		480-223688-6	
		SDG		4802236881		4802236881		4802236881		4802236881	
		Sample Date		9/24/2024		9/24/2024		9/24/2024		9/24/2024	
		Sample Type Code		N		N		FD		N	
Analytical Method	Chemical Name	CAS_RN	Unit								
SW8260C	Benzene	71-43-2	ug/L	180		650		27		25	
SW8260C	Ethylbenzene	100-41-4	ug/L	1800		2100		1	U	1	U
SW8260C	m,p-Xylene	179601-23-1	ug/L	720		85		2	U	2	U
SW8260C	O-Xylene (1,2-Dimethylbenzene)	95-47-6	ug/L	420		380		1	U	1	U
SW8260C	Toluene	108-88-3	ug/L	23		11		1	U	1	U
SW8260C	Xylenes	1330-20-7	ug/L	1100		470		2	U	2	U
SW8270D	Acenaphthene	83-32-9	ug/L	410	J	150	J	170		170	
SW8270D	Acenaphthylene	208-96-8	ug/L	2500	U	1100	U	2.7	J	50	U
SW8270D	Anthracene	120-12-7	ug/L	2500	U	1100	U	1.9	J	50	U
SW8270D	Benzo(A)Anthracene	56-55-3	ug/L	2500	U	1100	U	0.38	J	50	U
SW8270D	Benzo(A)Pyrene	50-32-8	ug/L	2500	U	1100	U	5	U	50	U
SW8270D	Benzo(B)Fluoranthene	205-99-2	ug/L	2500	U	1100	U	5	U	50	U
SW8270D	Benzo(G,H,I)Perylene	191-24-2	ug/L	2500	U	1100	U	5	U	50	U
SW8270D	Benzo(K)Fluoranthene	207-08-9	ug/L	2500	U	1100	U	5	U	50	U
SW8270D	Chrysene	218-01-9	ug/L	2500	U	1100	U	5	U	50	U
SW8270D	Dibenz(A,H)Anthracene	53-70-3	ug/L	2500	U	1100	U	5	U	50	U
SW8270D	Fluoranthene	206-44-0	ug/L	2500	U	1100	U	7.8		6.6	J
SW8270D	Fluorene	86-73-7	ug/L	2500	U	1100	U	38		37	J
SW8270D	Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/L	2500	U	1100	U	5	U	50	U
SW8270D	Naphthalene	91-20-3	ug/L	9000		5000		5	U	50	U
SW8270D	Phenanthrene	85-01-8	ug/L	290	J	1100	U	22		19	J
SW8270D	Pyrene	129-00-0	ug/L	2500	U	1100	U	11		10	J

		Location ID		MW-PAR-02	
		Field Sample ID		MW-PAR-02-09242024	
		Matrix		WG	
		Lab Sample ID		480-223688-7	
		SDG		4802236881	
		Sample Date		9/24/2024	
		Sample Type Code		N	
Analytical Method	Chemical Name	CAS_RN	Unit		
SW8260C	Benzene	71-43-2	ug/L	250	
SW8260C	Ethylbenzene	100-41-4	ug/L	54	
SW8260C	m,p-Xylene	179601-23-1	ug/L	9.9	J
SW8260C	O-Xylene (1,2-Dimethylbenzene)	95-47-6	ug/L	50	
SW8260C	Toluene	108-88-3	ug/L	10	U
SW8260C	Xylenes	1330-20-7	ug/L	60	
SW8270D	Acenaphthene	83-32-9	ug/L	250	
SW8270D	Acenaphthylene	208-96-8	ug/L	250	U
SW8270D	Anthracene	120-12-7	ug/L	250	U
SW8270D	Benzo(A)Anthracene	56-55-3	ug/L	250	U
SW8270D	Benzo(A)Pyrene	50-32-8	ug/L	250	U
SW8270D	Benzo(B)Fluoranthene	205-99-2	ug/L	250	U
SW8270D	Benzo(G,H,I)Perylene	191-24-2	ug/L	250	U
SW8270D	Benzo(K)Fluoranthene	207-08-9	ug/L	250	U
SW8270D	Chrysene	218-01-9	ug/L	250	U
SW8270D	Dibenz(A,H)Anthracene	53-70-3	ug/L	250	U
SW8270D	Fluoranthene	206-44-0	ug/L	250	U
SW8270D	Fluorene	86-73-7	ug/L	51	J
SW8270D	Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/L	250	U
SW8270D	Naphthalene	91-20-3	ug/L	560	
SW8270D	Phenanthrene	85-01-8	ug/L	81	J
SW8270D	Pyrene	129-00-0	ug/L	250	U

APPENDIX C – EUROFINS LEVEL 2 LABORATORY ANALYTICAL REPORT

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Cathy Adamitis
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JOB DESCRIPTION

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480-223688-1

Eurofins Buffalo
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See page two for job notes and contact information.

Job Notes

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

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Definitions/Glossary

Client: Parsons Corporation
Project/Site: Avangrid - Clark Street

Job ID: 480-223688-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Job Narrative
480-223688-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 9/25/2024 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-09D-09242024 (480-223688-3) and MW-PAR-02-09242024 (480-223688-7). Elevated reporting limits (RLs) are provided.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-726164 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC/MS Semi VOA
Method 8270D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-10D-09242024 (480-223688-1), MW-08D-09242024 (480-223688-2), MW-09D-09242024 (480-223688-3), MW-PAR-01-09242024 (480-223688-6), MW-PAR-01-09242024-MS (480-223688-6[MS]), MW-PAR-01-09242024-MSD (480-223688-6[MSD]) and MW-PAR-02-09242024 (480-223688-7). Elevated reporting limits (RLs) are provided.

Method 8270D: The following samples required a dilution due to the nature of the sample matrix: MW-10D-09242024 (480-223688-1), MW-08D-09242024 (480-223688-2), MW-09D-09242024 (480-223688-3) and MW-PAR-02-09242024 (480-223688-7). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: FD-09242024 (480-223688-9). Elevated reporting limits (RLs) are provided.

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

Job Narrative
480-223688-1

Receipt
The samples were received on 9/25/2024 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.9º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-09D-09242024 (480-223688-3) and MW-PAR-02-09242024 (480-223688-7). Elevated reporting limits (RLs) are provided.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-726164 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC/MS Semi VOA
Method 8270D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-10D-09242024 (480-223688-1), MW-08D-09242024 (480-223688-2), MW-09D-09242024 (480-223688-3), MW-PAR-01-09242024 (480-223688-6), MW-PAR-01-09242024-MS (480-223688-6[MS]), MW-PAR-01-09242024-MSD (480-223688-6[MSD]) and MW-PAR-02-09242024 (480-223688-7). Elevated reporting limits (RLs) are provided.

Method 8270D: The following samples required a dilution due to the nature of the sample matrix: MW-10D-09242024 (480-223688-1), MW-08D-09242024 (480-223688-2), MW-09D-09242024 (480-223688-3) and MW-PAR-02-09242024 (480-223688-7). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: FD-09242024 (480-223688-9). Elevated reporting limits (RLs) are provided.

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

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

Detection Summary

Client: Parsons Corporation
Project/Site: Avangrid - Clark Street

Job ID: 480-223688-1

Client Sample ID: MW-10D-09242024 — Lab Sample ID: 480-223688-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	500	E	1.0	0.41	ug/L	1		8260C	Total/NA
Toluene	11		1.0	0.51	ug/L	1		8260C	Total/NA
Ethylbenzene	890	E	1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	72		2.0	0.66	ug/L	1		8260C	Total/NA
o-Xylene	340	E	1.0	0.76	ug/L	1		8260C	Total/NA
Xylenes, Total	410	E	2.0	0.66	ug/L	1		8260C	Total/NA
Benzene - DL	650		40	16	ug/L	40		8260C	Total/NA
Ethylbenzene - DL	2100		40	30	ug/L	40		8260C	Total/NA
m-Xylene & p-Xylene - DL	85		80	26	ug/L	40		8260C	Total/NA
o-Xylene - DL	380		40	30	ug/L	40		8260C	Total/NA
Xylenes, Total - DL	470		80	26	ug/L	40		8260C	Total/NA
Acenaphthene	150	J	1100	89	ug/L	200		8270D	Total/NA
Naphthalene	5000		1100	170	ug/L	200		8270D	Total/NA

Client Sample ID: MW-08D-09242024 — Lab Sample ID: 480-223688-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	550		40	16	ug/L	40		8260C	Total/NA
Ethylbenzene	990		40	30	ug/L	40		8260C	Total/NA
o-Xylene	190		40	30	ug/L	40		8260C	Total/NA
Xylenes, Total	190		80	26	ug/L	40		8260C	Total/NA
Acenaphthene	120	J	1000	85	ug/L	200		8270D	Total/NA
Naphthalene	3600		1000	160	ug/L	200		8270D	Total/NA

Client Sample ID: MW-09D-09242024 — Lab Sample ID: 480-223688-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	180		10	4.1	ug/L	10		8260C	Total/NA
Toluene	23		10	5.1	ug/L	10		8260C	Total/NA
Ethylbenzene	1500	E	10	7.4	ug/L	10		8260C	Total/NA
m-Xylene & p-Xylene	720		20	6.6	ug/L	10		8260C	Total/NA
o-Xylene	420		10	7.6	ug/L	10		8260C	Total/NA
Xylenes, Total	1100		20	6.6	ug/L	10		8260C	Total/NA
Benzene - DL	220		40	16	ug/L	40		8260C	Total/NA
Toluene - DL	27	J	40	20	ug/L	40		8260C	Total/NA
Ethylbenzene - DL	1800		40	30	ug/L	40		8260C	Total/NA
m-Xylene & p-Xylene - DL	870		80	26	ug/L	40		8260C	Total/NA
o-Xylene - DL	510		40	30	ug/L	40		8260C	Total/NA
Xylenes, Total - DL	1400		80	26	ug/L	40		8260C	Total/NA
Acenaphthene	410	J	2500	210	ug/L	500		8270D	Total/NA
Naphthalene	9000		2500	380	ug/L	500		8270D	Total/NA
Phenanthrene	290	J	2500	220	ug/L	500		8270D	Total/NA

Client Sample ID: EB-09242024 — Lab Sample ID: 480-223688-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.97	J	5.4	0.83	ug/L	1		8270D	Total/NA

Client Sample ID: TB-09242024 — Lab Sample ID: 480-223688-5

No Detections.

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Parsons Corporation
Project/Site: Avangrid - Clark Street

Job ID: 480-223688-1

Client Sample ID: MW-PAR-01-09242024 — Lab Sample ID: 480-223688-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	25		1.0	0.41	ug/L	1		8260C	Total/NA
Acenaphthene	170		50	4.1	ug/L	10		8270D	Total/NA
Fluoranthene	6.6	J	50	4.0	ug/L	10		8270D	Total/NA
Fluorene	37	J F1	50	3.6	ug/L	10		8270D	Total/NA
Phenanthrene	19	J	50	4.4	ug/L	10		8270D	Total/NA
Pyrene	10	J	50	3.4	ug/L	10		8270D	Total/NA

Client Sample ID: MW-PAR-02-09242024 — Lab Sample ID: 480-223688-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	250		10	4.1	ug/L	10		8260C	Total/NA
Ethylbenzene	54		10	7.4	ug/L	10		8260C	Total/NA
m-Xylene & p-Xylene	9.9	J	20	6.6	ug/L	10		8260C	Total/NA
o-Xylene	50		10	7.6	ug/L	10		8260C	Total/NA
Xylenes, Total	60		20	6.6	ug/L	10		8260C	Total/NA
Acenaphthene	250		250	21	ug/L	50		8270D	Total/NA
Fluorene	51	J	250	18	ug/L	50		8270D	Total/NA
Naphthalene	560		250	38	ug/L	50		8270D	Total/NA
Phenanthrene	81	J	250	22	ug/L	50		8270D	Total/NA

Client Sample ID: MW-01B-09242024 — Lab Sample ID: 480-223688-8

No Detections.

Client Sample ID: FD-09242024 — Lab Sample ID: 480-223688-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	27		1.0	0.41	ug/L	1		8260C	Total/NA
Acenaphthene	200	E	5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	2.7	J	5.0	0.38	ug/L	1		8270D	Total/NA
Anthracene	1.9	J	5.0	0.28	ug/L	1		8270D	Total/NA
Benzo(a)anthracene	0.38	J	5.0	0.36	ug/L	1		8270D	Total/NA
Fluoranthene	7.8		5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	38		5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	0.81	J	5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	22		5.0	0.44	ug/L	1		8270D	Total/NA
Pyrene	11		5.0	0.34	ug/L	1		8270D	Total/NA
Acenaphthene - DL	170		50	4.1	ug/L	10		8270D	Total/NA
Fluoranthene - DL	7.0	J	50	4.0	ug/L	10		8270D	Total/NA
Fluorene - DL	36	J	50	3.6	ug/L	10		8270D	Total/NA
Phenanthrene - DL	21	J	50	4.4	ug/L	10		8270D	Total/NA
Pyrene - DL	9.7	J	50	3.4	ug/L	10		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-10D-09242024
Date Collected: 09/24/24 09:55
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223688-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**500**	**E**	1.0	0.41	ug/L			09/26/24 04:59	1
Toluene	**11**		1.0	0.51	ug/L			09/26/24 04:59	1
Ethylbenzene	**890**	**E**	1.0	0.74	ug/L			09/26/24 04:59	1
m-Xylene & p-Xylene	**72**		2.0	0.66	ug/L			09/26/24 04:59	1
o-Xylene	**340**	**E**	1.0	0.76	ug/L			09/26/24 04:59	1
Xylenes, Total	**410**	**E**	2.0	0.66	ug/L			09/26/24 04:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/26/24 04:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/26/24 04:59*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*09/26/24 04:59*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*09/26/24 04:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**650**		40	16	ug/L			09/27/24 18:08	40
Toluene	40	U	40	20	ug/L			09/27/24 18:08	40
Ethylbenzene	**2100**		40	30	ug/L			09/27/24 18:08	40
m-Xylene & p-Xylene	**85**		80	26	ug/L			09/27/24 18:08	40
o-Xylene	**380**		40	30	ug/L			09/27/24 18:08	40
Xylenes, Total	**470**		80	26	ug/L			09/27/24 18:08	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/27/24 18:08*	*40*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*09/27/24 18:08*	*40*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/27/24 18:08*	*40*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/27/24 18:08*	*40*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**150**	**J**	1100	89	ug/L		09/25/24 12:58	09/26/24 20:52	200
Acenaphthylene	1100	U	1100	83	ug/L		09/25/24 12:58	09/26/24 20:52	200
Anthracene	1100	U	1100	61	ug/L		09/25/24 12:58	09/26/24 20:52	200
Benzo(a)anthracene	1100	U	1100	78	ug/L		09/25/24 12:58	09/26/24 20:52	200
Benzo(a)pyrene	1100	U	1100	100	ug/L		09/25/24 12:58	09/26/24 20:52	200
Benzo(b)fluoranthene	1100	U	1100	74	ug/L		09/25/24 12:58	09/26/24 20:52	200
Benzo(g,h,i) perylene	1100	U	1100	76	ug/L		09/25/24 12:58	09/26/24 20:52	200
Benzo(k)fluoranthene	1100	U	1100	160	ug/L		09/25/24 12:58	09/26/24 20:52	200
Chrysene	1100	U	1100	72	ug/L		09/25/24 12:58	09/26/24 20:52	200
Dibenz(a,h)anthracene	1100	U	1100	91	ug/L		09/25/24 12:58	09/26/24 20:52	200
Fluoranthene	1100	U	1100	87	ug/L		09/25/24 12:58	09/26/24 20:52	200
Fluorene	1100	U	1100	78	ug/L		09/25/24 12:58	09/26/24 20:52	200
Ideno(1,2,3-cd)pyrene	1100	U	1100	100	ug/L		09/25/24 12:58	09/26/24 20:52	200
Naphthalene	**5000**		1100	170	ug/L		09/25/24 12:58	09/26/24 20:52	200
Phenanthrene	1100	U	1100	96	ug/L		09/25/24 12:58	09/26/24 20:52	200
Pyrene	1100	U	1100	74	ug/L		09/25/24 12:58	09/26/24 20:52	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*295*	*S1+*	*53 - 126*	*09/25/24 12:58*	*09/26/24 20:52*	*200*
Nitrobenzene-d5 (Surr)	*214*	*S1+*	*29 - 129*	*09/25/24 12:58*	*09/26/24 20:52*	*200*
p-Terphenyl-d14 (Surr)	*275*	*S1+*	*33 - 132*	*09/25/24 12:58*	*09/26/24 20:52*	*200*

Client: Parsons Corporation
Project/Site: Avangrid - Clark Street

Job ID: 480-223688-1

Client Sample ID: MW-08D-09242024

Date Collected: 09/24/24 11:30
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223688-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**550**		40	16	ug/L			09/27/24 18:31	40
Toluene	40	U	40	20	ug/L			09/27/24 18:31	40
Ethylbenzene	**990**		40	30	ug/L			09/27/24 18:31	40
m-Xylene & p-Xylene	80	U	80	26	ug/L			09/27/24 18:31	40
o-Xylene	**190**		40	30	ug/L			09/27/24 18:31	40
Xylenes, Total	**190**		80	26	ug/L			09/27/24 18:31	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/27/24 18:31*	*40*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/27/24 18:31*	*40*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/27/24 18:31*	*40*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*09/27/24 18:31*	*40*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**120**	**J**	1000	85	ug/L		09/25/24 12:58	09/26/24 21:19	200
Acenaphthylene	1000	U	1000	79	ug/L		09/25/24 12:58	09/26/24 21:19	200
Anthracene	1000	U	1000	58	ug/L		09/25/24 12:58	09/26/24 21:19	200
Benzo(a)anthracene	1000	U	1000	75	ug/L		09/25/24 12:58	09/26/24 21:19	200
Benzo(a)pyrene	1000	U	1000	98	ug/L		09/25/24 12:58	09/26/24 21:19	200
Benzo(b)fluoranthene	1000	U	1000	71	ug/L		09/25/24 12:58	09/26/24 21:19	200
Benzo(g,h,i) perylene	1000	U	1000	73	ug/L		09/25/24 12:58	09/26/24 21:19	200
Benzo(k)fluoranthene	1000	U	1000	150	ug/L		09/25/24 12:58	09/26/24 21:19	200
Chrysene	1000	U	1000	69	ug/L		09/25/24 12:58	09/26/24 21:19	200
Dibenz(a,h)anthracene	1000	U	1000	88	ug/L		09/25/24 12:58	09/26/24 21:19	200
Fluoranthene	1000	U	1000	83	ug/L		09/25/24 12:58	09/26/24 21:19	200
Fluorene	1000	U	1000	75	ug/L		09/25/24 12:58	09/26/24 21:19	200
Ideno(1,2,3-cd)pyrene	1000	U	1000	98	ug/L		09/25/24 12:58	09/26/24 21:19	200
Naphthalene	**3600**		1000	160	ug/L		09/25/24 12:58	09/26/24 21:19	200
Phenanthrene	1000	U	1000	92	ug/L		09/25/24 12:58	09/26/24 21:19	200
Pyrene	1000	U	1000	71	ug/L		09/25/24 12:58	09/26/24 21:19	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*290*	*S1+*	*53 - 126*	*09/25/24 12:58*	*09/26/24 21:19*	*200*
Nitrobenzene-d5 (Surr)	*200*	*S1+*	*29 - 129*	*09/25/24 12:58*	*09/26/24 21:19*	*200*
p-Terphenyl-d14 (Surr)	*273*	*S1+*	*33 - 132*	*09/25/24 12:58*	*09/26/24 21:19*	*200*

Client Sample ID: MW-09D-09242024
Date Collected: 09/24/24 12:40
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223688-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	180		10	4.1	ug/L			09/26/24 05:44	10
Toluene	23		10	5.1	ug/L			09/26/24 05:44	10
Ethylbenzene	1500	E	10	7.4	ug/L			09/26/24 05:44	10
m-Xylene & p-Xylene	720		20	6.6	ug/L			09/26/24 05:44	10
o-Xylene	420		10	7.6	ug/L			09/26/24 05:44	10
Xylenes, Total	1100		20	6.6	ug/L			09/26/24 05:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/26/24 05:44*	*10*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*09/26/24 05:44*	*10*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*09/26/24 05:44*	*10*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/26/24 05:44*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	220		40	16	ug/L			09/27/24 18:54	40
Toluene	27	J	40	20	ug/L			09/27/24 18:54	40
Ethylbenzene	1800		40	30	ug/L			09/27/24 18:54	40
m-Xylene & p-Xylene	870		80	26	ug/L			09/27/24 18:54	40
o-Xylene	510		40	30	ug/L			09/27/24 18:54	40
Xylenes, Total	1400		80	26	ug/L			09/27/24 18:54	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/27/24 18:54*	*40*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*09/27/24 18:54*	*40*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/27/24 18:54*	*40*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*09/27/24 18:54*	*40*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	410	J	2500	210	ug/L		09/25/24 12:58	09/26/24 21:47	500
Acenaphthylene	2500	U	2500	190	ug/L		09/25/24 12:58	09/26/24 21:47	500
Anthracene	2500	U	2500	140	ug/L		09/25/24 12:58	09/26/24 21:47	500
Benzo(a)anthracene	2500	U	2500	180	ug/L		09/25/24 12:58	09/26/24 21:47	500
Benzo(a)pyrene	2500	U	2500	240	ug/L		09/25/24 12:58	09/26/24 21:47	500
Benzo(b)fluoranthene	2500	U	2500	170	ug/L		09/25/24 12:58	09/26/24 21:47	500
Benzo(g,h,i) perylene	2500	U	2500	180	ug/L		09/25/24 12:58	09/26/24 21:47	500
Benzo(k)fluoranthene	2500	U	2500	370	ug/L		09/25/24 12:58	09/26/24 21:47	500
Chrysene	2500	U	2500	170	ug/L		09/25/24 12:58	09/26/24 21:47	500
Dibenz(a,h)anthracene	2500	U	2500	210	ug/L		09/25/24 12:58	09/26/24 21:47	500
Fluoranthene	2500	U	2500	200	ug/L		09/25/24 12:58	09/26/24 21:47	500
Fluorene	2500	U	2500	180	ug/L		09/25/24 12:58	09/26/24 21:47	500
Ideno(1,2,3-cd)pyrene	2500	U	2500	240	ug/L		09/25/24 12:58	09/26/24 21:47	500
Naphthalene	9000		2500	380	ug/L		09/25/24 12:58	09/26/24 21:47	500
Phenanthrene	290	J	2500	220	ug/L		09/25/24 12:58	09/26/24 21:47	500
Pyrene	2500	U	2500	170	ug/L		09/25/24 12:58	09/26/24 21:47	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*633*	*S1+*	*53 - 126*	*09/25/24 12:58*	*09/26/24 21:47*	*500*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*29 - 129*	*09/25/24 12:58*	*09/26/24 21:47*	*500*
p-Terphenyl-d14 (Surr)	*591*	*S1+*	*33 - 132*	*09/25/24 12:58*	*09/26/24 21:47*	*500*

Client: Parsons Corporation
Job ID: 480-223688-1
Project/Site: Avangrid - Clark Street

Client Sample ID: EB-09242024
Lab Sample ID: 480-223688-4
Date Collected: 09/24/24 13:30
Matrix: Water
Date Received: 09/25/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 19:17	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 19:17	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 19:17	1
m-Xylene & p-Xylene	2.0	U	2.0	0.66	ug/L			09/27/24 19:17	1
o-Xylene	1.0	U	1.0	0.76	ug/L			09/27/24 19:17	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/27/24 19:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*09/27/24 19:17*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/27/24 19:17*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/27/24 19:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	5.4	U	5.4	0.45	ug/L		09/25/24 12:58	09/26/24 22:15	1
Acenaphthylene	5.4	U	5.4	0.41	ug/L		09/25/24 12:58	09/26/24 22:15	1
Anthracene	5.4	U	5.4	0.30	ug/L		09/25/24 12:58	09/26/24 22:15	1
Benzo(a)anthracene	5.4	U	5.4	0.39	ug/L		09/25/24 12:58	09/26/24 22:15	1
Benzo(a)pyrene	5.4	U	5.4	0.51	ug/L		09/25/24 12:58	09/26/24 22:15	1
Benzo(b)fluoranthene	5.4	U	5.4	0.37	ug/L		09/25/24 12:58	09/26/24 22:15	1
Benzo(g,h,i) perylene	5.4	U	5.4	0.38	ug/L		09/25/24 12:58	09/26/24 22:15	1
Benzo(k)fluoranthene	5.4	U	5.4	0.79	ug/L		09/25/24 12:58	09/26/24 22:15	1
Chrysene	5.4	U	5.4	0.36	ug/L		09/25/24 12:58	09/26/24 22:15	1
Dibenz(a,h)anthracene	5.4	U	5.4	0.46	ug/L		09/25/24 12:58	09/26/24 22:15	1
Fluoranthene	5.4	U	5.4	0.43	ug/L		09/25/24 12:58	09/26/24 22:15	1
Fluorene	5.4	U	5.4	0.39	ug/L		09/25/24 12:58	09/26/24 22:15	1
Ideno(1,2,3-cd)pyrene	5.4	U	5.4	0.51	ug/L		09/25/24 12:58	09/26/24 22:15	1
Naphthalene	**0.97**	**J**	5.4	0.83	ug/L		09/25/24 12:58	09/26/24 22:15	1
Phenanthrene	5.4	U	5.4	0.48	ug/L		09/25/24 12:58	09/26/24 22:15	1
Pyrene	5.4	U	5.4	0.37	ug/L		09/25/24 12:58	09/26/24 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*53 - 126*	*09/25/24 12:58*	*09/26/24 22:15*	*1*
Nitrobenzene-d5 (Surr)	*66*		*29 - 129*	*09/25/24 12:58*	*09/26/24 22:15*	*1*
p-Terphenyl-d14 (Surr)	*95*		*33 - 132*	*09/25/24 12:58*	*09/26/24 22:15*	*1*

Client: Parsons Corporation
Project/Site: Avangrid - Clark Street

Job ID: 480-223688-1

Client Sample ID: TB-09242024
Date Collected: 09/24/24 09:30
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223688-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.41	ug/L			09/26/24 06:29	1
Toluene	1.0	U	1.0	0.51	ug/L			09/26/24 06:29	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/26/24 06:29	1
m-Xylene & p-Xylene	2.0	U	2.0	0.66	ug/L			09/26/24 06:29	1
o-Xylene	1.0	U	1.0	0.76	ug/L			09/26/24 06:29	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/26/24 06:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/26/24 06:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*09/26/24 06:29*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*09/26/24 06:29*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/26/24 06:29*	*1*

Client: Parsons Corporation
Project/Site: Avangrid - Clark Street

Job ID: 480-223688-1

Client Sample ID: MW-PAR-01-09242024
Date Collected: 09/24/24 09:45
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223688-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**25**		1.0	0.41	ug/L			09/26/24 06:51	1
Toluene	1.0	U F1	1.0	0.51	ug/L			09/26/24 06:51	1
Ethylbenzene	1.0	U F1	1.0	0.74	ug/L			09/26/24 06:51	1
m-Xylene & p-Xylene	2.0	U	2.0	0.66	ug/L			09/26/24 06:51	1
o-Xylene	1.0	U	1.0	0.76	ug/L			09/26/24 06:51	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/26/24 06:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/26/24 06:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/26/24 06:51*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/26/24 06:51*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*09/26/24 06:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**170**		50	4.1	ug/L		09/25/24 12:58	09/26/24 17:11	10
Acenaphthylene	50	U	50	3.8	ug/L		09/25/24 12:58	09/26/24 17:11	10
Anthracene	50	U	50	2.8	ug/L		09/25/24 12:58	09/26/24 17:11	10
Benzo(a)anthracene	50	U	50	3.6	ug/L		09/25/24 12:58	09/26/24 17:11	10
Benzo(a)pyrene	50	U	50	4.7	ug/L		09/25/24 12:58	09/26/24 17:11	10
Benzo(b)fluoranthene	50	U	50	3.4	ug/L		09/25/24 12:58	09/26/24 17:11	10
Benzo(g,h,i) perylene	50	U	50	3.5	ug/L		09/25/24 12:58	09/26/24 17:11	10
Benzo(k)fluoranthene	50	U	50	7.3	ug/L		09/25/24 12:58	09/26/24 17:11	10
Chrysene	50	U	50	3.3	ug/L		09/25/24 12:58	09/26/24 17:11	10
Dibenz(a,h)anthracene	50	U	50	4.2	ug/L		09/25/24 12:58	09/26/24 17:11	10
Fluoranthene	**6.6**	**J**	50	4.0	ug/L		09/25/24 12:58	09/26/24 17:11	10
Fluorene	**37**	**J F1**	50	3.6	ug/L		09/25/24 12:58	09/26/24 17:11	10
Ideno(1,2,3-cd)pyrene	50	U	50	4.7	ug/L		09/25/24 12:58	09/26/24 17:11	10
Naphthalene	50	U	50	7.6	ug/L		09/25/24 12:58	09/26/24 17:11	10
Phenanthrene	**19**	**J**	50	4.4	ug/L		09/25/24 12:58	09/26/24 17:11	10
Pyrene	**10**	**J**	50	3.4	ug/L		09/25/24 12:58	09/26/24 17:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*53 - 126*	*09/25/24 12:58*	*09/26/24 17:11*	*10*
Nitrobenzene-d5 (Surr)	*64*		*29 - 129*	*09/25/24 12:58*	*09/26/24 17:11*	*10*
p-Terphenyl-d14 (Surr)	*78*		*33 - 132*	*09/25/24 12:58*	*09/26/24 17:11*	*10*

Client: Parsons Corporation
Project/Site: Avangrid - Clark Street

Job ID: 480-223688-1

Client Sample ID: MW-PAR-02-09242024
Date Collected: 09/24/24 11:55
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223688-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**250**		10	4.1	ug/L			09/26/24 07:14	10
Toluene	10	U	10	5.1	ug/L			09/26/24 07:14	10
Ethylbenzene	**54**		10	7.4	ug/L			09/26/24 07:14	10
m-Xylene & p-Xylene	**9.9**	**J**	20	6.6	ug/L			09/26/24 07:14	10
o-Xylene	**50**		10	7.6	ug/L			09/26/24 07:14	10
Xylenes, Total	**60**		20	6.6	ug/L			09/26/24 07:14	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/26/24 07:14*	*10*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*09/26/24 07:14*	*10*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/26/24 07:14*	*10*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/26/24 07:14*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**250**		250	21	ug/L		09/25/24 12:58	09/26/24 22:43	50
Acenaphthylene	250	U	250	19	ug/L		09/25/24 12:58	09/26/24 22:43	50
Anthracene	250	U	250	14	ug/L		09/25/24 12:58	09/26/24 22:43	50
Benzo(a)anthracene	250	U	250	18	ug/L		09/25/24 12:58	09/26/24 22:43	50
Benzo(a)pyrene	250	U	250	24	ug/L		09/25/24 12:58	09/26/24 22:43	50
Benzo(b)fluoranthene	250	U	250	17	ug/L		09/25/24 12:58	09/26/24 22:43	50
Benzo(g,h,i) perylene	250	U	250	18	ug/L		09/25/24 12:58	09/26/24 22:43	50
Benzo(k)fluoranthene	250	U	250	37	ug/L		09/25/24 12:58	09/26/24 22:43	50
Chrysene	250	U	250	17	ug/L		09/25/24 12:58	09/26/24 22:43	50
Dibenz(a,h)anthracene	250	U	250	21	ug/L		09/25/24 12:58	09/26/24 22:43	50
Fluoranthene	250	U	250	20	ug/L		09/25/24 12:58	09/26/24 22:43	50
Fluorene	**51**	**J**	250	18	ug/L		09/25/24 12:58	09/26/24 22:43	50
Ideno(1,2,3-cd)pyrene	250	U	250	24	ug/L		09/25/24 12:58	09/26/24 22:43	50
Naphthalene	**560**		250	38	ug/L		09/25/24 12:58	09/26/24 22:43	50
Phenanthrene	**81**	**J**	250	22	ug/L		09/25/24 12:58	09/26/24 22:43	50
Pyrene	250	U	250	17	ug/L		09/25/24 12:58	09/26/24 22:43	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*123*		*53 - 126*	*09/25/24 12:58*	*09/26/24 22:43*	*50*
Nitrobenzene-d5 (Surr)	*91*		*29 - 129*	*09/25/24 12:58*	*09/26/24 22:43*	*50*
p-Terphenyl-d14 (Surr)	*116*		*33 - 132*	*09/25/24 12:58*	*09/26/24 22:43*	*50*

Client: Parsons Corporation
Job ID: 480-223688-1
Project/Site: Avangrid - Clark Street

Client Sample ID: MW-01B-09242024
Lab Sample ID: 480-223688-8
Date Collected: 09/24/24 13:30
Matrix: Water
Date Received: 09/25/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.41	ug/L			09/26/24 07:36	1
Toluene	1.0	U	1.0	0.51	ug/L			09/26/24 07:36	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/26/24 07:36	1
m-Xylene & p-Xylene	2.0	U	2.0	0.66	ug/L			09/26/24 07:36	1
o-Xylene	1.0	U	1.0	0.76	ug/L			09/26/24 07:36	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/26/24 07:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/26/24 07:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*09/26/24 07:36*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/26/24 07:36*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/26/24 07:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	5.0	U	5.0	0.41	ug/L		09/25/24 12:58	09/26/24 23:10	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		09/25/24 12:58	09/26/24 23:10	1
Anthracene	5.0	U	5.0	0.28	ug/L		09/25/24 12:58	09/26/24 23:10	1
Benzo(a)anthracene	5.0	U	5.0	0.36	ug/L		09/25/24 12:58	09/26/24 23:10	1
Benzo(a)pyrene	5.0	U	5.0	0.47	ug/L		09/25/24 12:58	09/26/24 23:10	1
Benzo(b)fluoranthene	5.0	U	5.0	0.34	ug/L		09/25/24 12:58	09/26/24 23:10	1
Benzo(g,h,i) perylene	5.0	U	5.0	0.35	ug/L		09/25/24 12:58	09/26/24 23:10	1
Benzo(k)fluoranthene	5.0	U	5.0	0.73	ug/L		09/25/24 12:58	09/26/24 23:10	1
Chrysene	5.0	U	5.0	0.33	ug/L		09/25/24 12:58	09/26/24 23:10	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		09/25/24 12:58	09/26/24 23:10	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		09/25/24 12:58	09/26/24 23:10	1
Fluorene	5.0	U	5.0	0.36	ug/L		09/25/24 12:58	09/26/24 23:10	1
Ideno(1,2,3-cd)pyrene	5.0	U	5.0	0.47	ug/L		09/25/24 12:58	09/26/24 23:10	1
Naphthalene	5.0	U	5.0	0.76	ug/L		09/25/24 12:58	09/26/24 23:10	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		09/25/24 12:58	09/26/24 23:10	1
Pyrene	5.0	U	5.0	0.34	ug/L		09/25/24 12:58	09/26/24 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*53 - 126*	*09/25/24 12:58*	*09/26/24 23:10*	*1*
Nitrobenzene-d5 (Surr)	*61*		*29 - 129*	*09/25/24 12:58*	*09/26/24 23:10*	*1*
p-Terphenyl-d14 (Surr)	*84*		*33 - 132*	*09/25/24 12:58*	*09/26/24 23:10*	*1*

Client Sample ID: FD-09242024
Date Collected: 09/24/24 12:01
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223688-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**27**		1.0	0.41	ug/L			09/27/24 19:39	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 19:39	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 19:39	1
m-Xylene & p-Xylene	2.0	U	2.0	0.66	ug/L			09/27/24 19:39	1
o-Xylene	1.0	U	1.0	0.76	ug/L			09/27/24 19:39	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/27/24 19:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*09/27/24 19:39*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/27/24 19:39*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*09/27/24 19:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**200**	**E**	5.0	0.41	ug/L		09/25/24 12:58	09/26/24 23:38	1
Acenaphthylene	**2.7**	**J**	5.0	0.38	ug/L		09/25/24 12:58	09/26/24 23:38	1
Anthracene	**1.9**	**J**	5.0	0.28	ug/L		09/25/24 12:58	09/26/24 23:38	1
Benzo(a)anthracene	**0.38**	**J**	5.0	0.36	ug/L		09/25/24 12:58	09/26/24 23:38	1
Benzo(a)pyrene	5.0	U	5.0	0.47	ug/L		09/25/24 12:58	09/26/24 23:38	1
Benzo(b)fluoranthene	5.0	U	5.0	0.34	ug/L		09/25/24 12:58	09/26/24 23:38	1
Benzo(g,h,i) perylene	5.0	U	5.0	0.35	ug/L		09/25/24 12:58	09/26/24 23:38	1
Benzo(k)fluoranthene	5.0	U	5.0	0.73	ug/L		09/25/24 12:58	09/26/24 23:38	1
Chrysene	5.0	U	5.0	0.33	ug/L		09/25/24 12:58	09/26/24 23:38	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		09/25/24 12:58	09/26/24 23:38	1
Fluoranthene	**7.8**		5.0	0.40	ug/L		09/25/24 12:58	09/26/24 23:38	1
Fluorene	**38**		5.0	0.36	ug/L		09/25/24 12:58	09/26/24 23:38	1
Ideno(1,2,3-cd)pyrene	5.0	U	5.0	0.47	ug/L		09/25/24 12:58	09/26/24 23:38	1
Naphthalene	**0.81**	**J**	5.0	0.76	ug/L		09/25/24 12:58	09/26/24 23:38	1
Phenanthrene	**22**		5.0	0.44	ug/L		09/25/24 12:58	09/26/24 23:38	1
Pyrene	**11**		5.0	0.34	ug/L		09/25/24 12:58	09/26/24 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*53 - 126*	*09/25/24 12:58*	*09/26/24 23:38*	*1*
Nitrobenzene-d5 (Surr)	*62*		*29 - 129*	*09/25/24 12:58*	*09/26/24 23:38*	*1*
p-Terphenyl-d14 (Surr)	*70*		*33 - 132*	*09/25/24 12:58*	*09/26/24 23:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**170**		50	4.1	ug/L		09/25/24 12:58	09/27/24 14:36	10
Acenaphthylene	50	U	50	3.8	ug/L		09/25/24 12:58	09/27/24 14:36	10
Anthracene	50	U	50	2.8	ug/L		09/25/24 12:58	09/27/24 14:36	10
Benzo(a)anthracene	50	U	50	3.6	ug/L		09/25/24 12:58	09/27/24 14:36	10
Benzo(a)pyrene	50	U	50	4.7	ug/L		09/25/24 12:58	09/27/24 14:36	10
Benzo(b)fluoranthene	50	U	50	3.4	ug/L		09/25/24 12:58	09/27/24 14:36	10
Benzo(g,h,i) perylene	50	U	50	3.5	ug/L		09/25/24 12:58	09/27/24 14:36	10
Benzo(k)fluoranthene	50	U	50	7.3	ug/L		09/25/24 12:58	09/27/24 14:36	10
Chrysene	50	U	50	3.3	ug/L		09/25/24 12:58	09/27/24 14:36	10
Dibenz(a,h)anthracene	50	U	50	4.2	ug/L		09/25/24 12:58	09/27/24 14:36	10
Fluoranthene	**7.0**	**J**	50	4.0	ug/L		09/25/24 12:58	09/27/24 14:36	10

Client: Parsons Corporation
Project/Site: Avangrid - Clark Street

Job ID: 480-223688-1

Client Sample ID: FD-09242024
Date Collected: 09/24/24 12:01
Date Received: 09/25/24 10:30

Lab Sample ID: 480-223688-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	**36**	**J**	50	3.6	ug/L		09/25/24 12:58	09/27/24 14:36	10
Ideno(1,2,3-cd)pyrene	50	U	50	4.7	ug/L		09/25/24 12:58	09/27/24 14:36	10
Naphthalene	50	U	50	7.6	ug/L		09/25/24 12:58	09/27/24 14:36	10
Phenanthrene	**21**	**J**	50	4.4	ug/L		09/25/24 12:58	09/27/24 14:36	10
Pyrene	**9.7**	**J**	50	3.4	ug/L		09/25/24 12:58	09/27/24 14:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*53 - 126*	*09/25/24 12:58*	*09/27/24 14:36*	*10*
Nitrobenzene-d5 (Surr)	*61*		*29 - 129*	*09/25/24 12:58*	*09/27/24 14:36*	*10*
p-Terphenyl-d14 (Surr)	*74*		*33 - 132*	*09/25/24 12:58*	*09/27/24 14:36*	*10*

Surrogate Summary

Client: Parsons Corporation
Project/Site: Avangrid - Clark Street

Job ID: 480-223688-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-223688-1	MW-10D-09242024	98	100	102	98
480-223688-1 - DL	MW-10D-09242024	102	106	96	102
480-223688-2	MW-08D-09242024	100	100	96	98
480-223688-3	MW-09D-09242024	98	101	100	101
480-223688-3 - DL	MW-09D-09242024	99	105	97	99
480-223688-4	EB-09242024	99	103	95	102
480-223688-5	TB-09242024	99	104	98	101
480-223688-6	MW-PAR-01-09242024	99	100	96	100
480-223688-6 MS	MW-PAR-01-09242024-MS	100	97	97	95
480-223688-6 MSD	MW-PAR-01-09242024-MSD	100	100	99	99
480-223688-7	MW-PAR-02-09242024	100	102	96	103
480-223688-8	MW-01B-09242024	100	99	95	101
480-223688-9	FD-09242024	102	105	95	98
LCS 480-726164/6	Lab Control Sample	101	97	98	98
LCS 480-726406/6	Lab Control Sample	102	97	97	98
MB 480-726164/8	Method Blank	102	103	96	103
MB 480-726406/8	Method Blank	100	106	95	102

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(53-126)	(29-129)	(33-132)
480-223688-1	MW-10D-09242024	295 S1+	214 S1+	275 S1+
480-223688-2	MW-08D-09242024	290 S1+	200 S1+	273 S1+
480-223688-3	MW-09D-09242024	633 S1+	0 S1-	591 S1+
480-223688-4	EB-09242024	73	66	95
480-223688-6	MW-PAR-01-09242024	77	64	78
480-223688-6 MS	MW-PAR-01-09242024-MS	76	69	70
480-223688-6 MSD	MW-PAR-01-09242024-MSD	76	68	74
480-223688-7	MW-PAR-02-09242024	123	91	116
480-223688-8	MW-01B-09242024	67	61	84
480-223688-9	FD-09242024	67	62	70
480-223688-9 - DL	FD-09242024	79	61	74
LCS 480-726170/2-A	Lab Control Sample	77	72	89
MB 480-726170/1-A	Method Blank	68	62	94

Surrogate Legend

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

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

Lab Sample ID: MB 480-726164/8
Matrix: Water
Analysis Batch: 726164

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.41	ug/L			09/26/24 01:37	1
Toluene	1.0	U	1.0	0.51	ug/L			09/26/24 01:37	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/26/24 01:37	1
m-Xylene & p-Xylene	2.0	U	2.0	0.66	ug/L			09/26/24 01:37	1
o-Xylene	1.0	U	1.0	0.76	ug/L			09/26/24 01:37	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/26/24 01:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/26/24 01:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*09/26/24 01:37*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/26/24 01:37*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/26/24 01:37*	*1*

Lab Sample ID: LCS 480-726164/6
Matrix: Water
Analysis Batch: 726164

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			25.0	26.7		ug/L		107	71 - 124		
Toluene			25.0	27.2		ug/L		109	80 - 122		
Ethylbenzene			25.0	27.3		ug/L		109	77 - 123		
m-Xylene & p-Xylene			25.0	27.0		ug/L		108	76 - 122		
o-Xylene			25.0	25.9		ug/L		104	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

Lab Sample ID: 480-223688-6 MS
Matrix: Water
Analysis Batch: 726164

Client Sample ID: MW-PAR-01-09242024-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	25		25.0	50.4		ug/L		103	71 - 124		
Toluene	1.0	U F1	25.0	29.1		ug/L		116	80 - 122		
Ethylbenzene	1.0	U F1	25.0	29.4		ug/L		118	77 - 123		
m-Xylene & p-Xylene	2.0	U	25.0	29.2		ug/L		117	76 - 122		
o-Xylene	1.0	U	25.0	27.6		ug/L		110	76 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*95*		*75 - 123*

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

Lab Sample ID: 480-223688-6 MSD
Matrix: Water
Analysis Batch: 726164

Client Sample ID: MW-PAR-01-09242024-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	25		25.0	54.3		ug/L		119	71 - 124	7	13
Toluene	1.0	U F1	25.0	30.7	F1	ug/L		123	80 - 122	5	15
Ethylbenzene	1.0	U F1	25.0	31.2	F1	ug/L		125	77 - 123	6	15
m-Xylene & p-Xylene	2.0	U	25.0	30.4		ug/L		122	76 - 122	4	16
o-Xylene	1.0	U	25.0	29.8		ug/L		119	76 - 122	8	16

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

Lab Sample ID: MB 480-726406/8
Matrix: Water
Analysis Batch: 726406

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.41	ug/L			09/27/24 12:42	1
Toluene	1.0	U	1.0	0.51	ug/L			09/27/24 12:42	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/27/24 12:42	1
m-Xylene & p-Xylene	2.0	U	2.0	0.66	ug/L			09/27/24 12:42	1
o-Xylene	1.0	U	1.0	0.76	ug/L			09/27/24 12:42	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/27/24 12:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/27/24 12:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*09/27/24 12:42*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/27/24 12:42*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/27/24 12:42*	*1*

Lab Sample ID: LCS 480-726406/6
Matrix: Water
Analysis Batch: 726406

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			25.0	27.0		ug/L		108	71 - 124		
Toluene			25.0	28.1		ug/L		112	80 - 122		
Ethylbenzene			25.0	28.1		ug/L		112	77 - 123		
m-Xylene & p-Xylene			25.0	27.6		ug/L		110	76 - 122		
o-Xylene			25.0	26.5		ug/L		106	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

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

Lab Sample ID: MB 480-726170/1-A
Matrix: Water
Analysis Batch: 726296

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726170

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	5.0	U	5.0	0.41	ug/L		09/25/24 12:58	09/26/24 13:57	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		09/25/24 12:58	09/26/24 13:57	1
Anthracene	5.0	U	5.0	0.28	ug/L		09/25/24 12:58	09/26/24 13:57	1
Benzo(a)anthracene	5.0	U	5.0	0.36	ug/L		09/25/24 12:58	09/26/24 13:57	1
Benzo(a)pyrene	5.0	U	5.0	0.47	ug/L		09/25/24 12:58	09/26/24 13:57	1
Benzo(b)fluoranthene	5.0	U	5.0	0.34	ug/L		09/25/24 12:58	09/26/24 13:57	1
Benzo(g,h,i) perylene	5.0	U	5.0	0.35	ug/L		09/25/24 12:58	09/26/24 13:57	1
Benzo(k)fluoranthene	5.0	U	5.0	0.73	ug/L		09/25/24 12:58	09/26/24 13:57	1
Chrysene	5.0	U	5.0	0.33	ug/L		09/25/24 12:58	09/26/24 13:57	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		09/25/24 12:58	09/26/24 13:57	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		09/25/24 12:58	09/26/24 13:57	1
Fluorene	5.0	U	5.0	0.36	ug/L		09/25/24 12:58	09/26/24 13:57	1
Ideno(1,2,3-cd)pyrene	5.0	U	5.0	0.47	ug/L		09/25/24 12:58	09/26/24 13:57	1
Naphthalene	5.0	U	5.0	0.76	ug/L		09/25/24 12:58	09/26/24 13:57	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		09/25/24 12:58	09/26/24 13:57	1
Pyrene	5.0	U	5.0	0.34	ug/L		09/25/24 12:58	09/26/24 13:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*53 - 126*	*09/25/24 12:58*	*09/26/24 13:57*	*1*
Nitrobenzene-d5 (Surr)	*62*		*29 - 129*	*09/25/24 12:58*	*09/26/24 13:57*	*1*
p-Terphenyl-d14 (Surr)	*94*		*33 - 132*	*09/25/24 12:58*	*09/26/24 13:57*	*1*

Lab Sample ID: LCS 480-726170/2-A
Matrix: Water
Analysis Batch: 726296

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726170

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	32.0	26.3		ug/L		82	60 - 120
Acenaphthylene	32.0	26.9		ug/L		84	63 - 120
Anthracene	32.0	31.3		ug/L		98	67 - 120
Benzo(a)anthracene	32.0	31.3		ug/L		98	70 - 121
Benzo(a)pyrene	32.0	30.7		ug/L		96	60 - 123
Benzo(b)fluoranthene	32.0	30.1		ug/L		94	66 - 126
Benzo(g,h,i) perylene	32.0	31.3		ug/L		98	66 - 150
Benzo(k)fluoranthene	32.0	30.2		ug/L		94	65 - 124
Chrysene	32.0	31.3		ug/L		98	69 - 120
Dibenz(a,h)anthracene	32.0	31.4		ug/L		98	65 - 135
Fluoranthene	32.0	31.7		ug/L		99	69 - 126
Fluorene	32.0	28.0		ug/L		88	66 - 120
Ideno(1,2,3-cd)pyrene	32.0	31.7		ug/L		99	69 - 146
Naphthalene	32.0	23.6		ug/L		74	57 - 120
Phenanthrene	32.0	29.7		ug/L		93	68 - 120
Pyrene	32.0	31.6		ug/L		99	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*77*		*53 - 126*
Nitrobenzene-d5 (Surr)	*72*		*29 - 129*
p-Terphenyl-d14 (Surr)	*89*		*33 - 132*

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

Lab Sample ID: 480-223688-6 MS
Matrix: Water
Analysis Batch: 726296

Client Sample ID: MW-PAR-01-09242024-MS
Prep Type: Total/NA
Prep Batch: 726170

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	170		32.0	181	4	ug/L		33	48 - 120
Acenaphthylene	50	U	32.0	26.1	J	ug/L		81	63 - 120
Anthracene	50	U	32.0	27.2	J	ug/L		85	65 - 122
Benzo(a)anthracene	50	U	32.0	26.3	J	ug/L		82	43 - 124
Benzo(a)pyrene	50	U	32.0	22.5	J	ug/L		70	23 - 125
Benzo(b)fluoranthene	50	U	32.0	23.4	J	ug/L		73	27 - 127
Benzo(g,h,i) perylene	50	U	32.0	23.9	J	ug/L		75	16 - 147
Benzo(k)fluoranthene	50	U	32.0	25.9	J	ug/L		81	20 - 124
Chrysene	50	U	32.0	27.5	J	ug/L		86	44 - 122
Dibenz(a,h)anthracene	50	U	32.0	21.2	J	ug/L		66	16 - 139
Fluoranthene	6.6	J	32.0	33.1	J	ug/L		83	63 - 129
Fluorene	37	J F1	32.0	57.7		ug/L		64	62 - 120
Ideno(1,2,3-cd)pyrene	50	U	32.0	21.7	J	ug/L		68	16 - 140
Naphthalene	50	U	32.0	22.3	J	ug/L		70	45 - 120
Phenanthrene	19	J	32.0	44.8	J	ug/L		81	65 - 122
Pyrene	10	J	32.0	37.9	J	ug/L		86	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*76*		*53 - 126*
Nitrobenzene-d5 (Surr)	*69*		*29 - 129*
p-Terphenyl-d14 (Surr)	*70*		*33 - 132*

Lab Sample ID: 480-223688-6 MSD
Matrix: Water
Analysis Batch: 726296

Client Sample ID: MW-PAR-01-09242024-MSD
Prep Type: Total/NA
Prep Batch: 726170

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	170		32.0	181	4	ug/L		35	48 - 120	0	24
Acenaphthylene	50	U	32.0	25.7	J	ug/L		80	63 - 120	1	18
Anthracene	50	U	32.0	27.0	J	ug/L		84	65 - 122	1	15
Benzo(a)anthracene	50	U	32.0	27.2	J	ug/L		85	43 - 124	3	15
Benzo(a)pyrene	50	U	32.0	22.9	J	ug/L		71	23 - 125	2	15
Benzo(b)fluoranthene	50	U	32.0	25.6	J	ug/L		80	27 - 127	9	15
Benzo(g,h,i) perylene	50	U	32.0	23.2	J	ug/L		73	16 - 147	3	15
Benzo(k)fluoranthene	50	U	32.0	26.4	J	ug/L		82	20 - 124	2	22
Chrysene	50	U	32.0	28.0	J	ug/L		87	44 - 122	2	15
Dibenz(a,h)anthracene	50	U	32.0	21.6	J	ug/L		68	16 - 139	2	15
Fluoranthene	6.6	J	32.0	33.1	J	ug/L		83	63 - 129	0	15
Fluorene	37	J F1	32.0	55.4	F1	ug/L		57	62 - 120	4	15
Ideno(1,2,3-cd)pyrene	50	U	32.0	21.9	J	ug/L		68	16 - 140	1	15
Naphthalene	50	U	32.0	21.4	J	ug/L		67	45 - 120	4	29
Phenanthrene	19	J	32.0	44.4	J	ug/L		80	65 - 122	1	15
Pyrene	10	J	32.0	38.7	J	ug/L		89	58 - 128	2	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*76*		*53 - 126*
Nitrobenzene-d5 (Surr)	*68*		*29 - 129*
p-Terphenyl-d14 (Surr)	*74*		*33 - 132*

GC/MS VOA

Analysis Batch: 726164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223688-1	MW-10D-09242024	Total/NA	Water	8260C	
480-223688-3	MW-09D-09242024	Total/NA	Water	8260C	
480-223688-5	TB-09242024	Total/NA	Water	8260C	
480-223688-6	MW-PAR-01-09242024	Total/NA	Water	8260C	
480-223688-7	MW-PAR-02-09242024	Total/NA	Water	8260C	
480-223688-8	MW-01B-09242024	Total/NA	Water	8260C	
MB 480-726164/8	Method Blank	Total/NA	Water	8260C	
LCS 480-726164/6	Lab Control Sample	Total/NA	Water	8260C	
480-223688-6 MS	MW-PAR-01-09242024-MS	Total/NA	Water	8260C	
480-223688-6 MSD	MW-PAR-01-09242024-MSD	Total/NA	Water	8260C	

Analysis Batch: 726406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223688-1 - DL	MW-10D-09242024	Total/NA	Water	8260C	
480-223688-2	MW-08D-09242024	Total/NA	Water	8260C	
480-223688-3 - DL	MW-09D-09242024	Total/NA	Water	8260C	
480-223688-4	EB-09242024	Total/NA	Water	8260C	
480-223688-9	FD-09242024	Total/NA	Water	8260C	
MB 480-726406/8	Method Blank	Total/NA	Water	8260C	
LCS 480-726406/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 726170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223688-1	MW-10D-09242024	Total/NA	Water	3510C	
480-223688-2	MW-08D-09242024	Total/NA	Water	3510C	
480-223688-3	MW-09D-09242024	Total/NA	Water	3510C	
480-223688-4	EB-09242024	Total/NA	Water	3510C	
480-223688-6	MW-PAR-01-09242024	Total/NA	Water	3510C	
480-223688-7	MW-PAR-02-09242024	Total/NA	Water	3510C	
480-223688-8	MW-01B-09242024	Total/NA	Water	3510C	
480-223688-9	FD-09242024	Total/NA	Water	3510C	
480-223688-9 - DL	FD-09242024	Total/NA	Water	3510C	
MB 480-726170/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-726170/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-223688-6 MS	MW-PAR-01-09242024-MS	Total/NA	Water	3510C	
480-223688-6 MSD	MW-PAR-01-09242024-MSD	Total/NA	Water	3510C	

Analysis Batch: 726296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223688-1	MW-10D-09242024	Total/NA	Water	8270D	726170
480-223688-2	MW-08D-09242024	Total/NA	Water	8270D	726170
480-223688-3	MW-09D-09242024	Total/NA	Water	8270D	726170
480-223688-4	EB-09242024	Total/NA	Water	8270D	726170
480-223688-6	MW-PAR-01-09242024	Total/NA	Water	8270D	726170
480-223688-7	MW-PAR-02-09242024	Total/NA	Water	8270D	726170
480-223688-8	MW-01B-09242024	Total/NA	Water	8270D	726170
480-223688-9	FD-09242024	Total/NA	Water	8270D	726170
MB 480-726170/1-A	Method Blank	Total/NA	Water	8270D	726170
LCS 480-726170/2-A	Lab Control Sample	Total/NA	Water	8270D	726170

GC/MS Semi VOA (Continued)

Analysis Batch: 726296 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223688-6 MS	MW-PAR-01-09242024-MS	Total/NA	Water	8270D	726170
480-223688-6 MSD	MW-PAR-01-09242024-MSD	Total/NA	Water	8270D	726170

Analysis Batch: 726449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223688-9 - DL	FD-09242024	Total/NA	Water	8270D	726170

Lab Chronicle

Client: Parsons Corporation
Job ID: 480-223688-1
Project/Site: Avangrid - Clark Street

Client Sample ID: MW-10D-09242024
Lab Sample ID: 480-223688-1
Date Collected: 09/24/24 09:55
Matrix: Water
Date Received: 09/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726164	ERS	EET BUF	09/26/24 04:59
Total/NA	Analysis	8260C	DL	40	726406	LCH	EET BUF	09/27/24 18:08
Total/NA	Prep	3510C			726170	LSC	EET BUF	09/25/24 12:58
Total/NA	Analysis	8270D		200	726296	RJS	EET BUF	09/26/24 20:52

Client Sample ID: MW-08D-09242024
Lab Sample ID: 480-223688-2
Date Collected: 09/24/24 11:30
Matrix: Water
Date Received: 09/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		40	726406	LCH	EET BUF	09/27/24 18:31
Total/NA	Prep	3510C			726170	LSC	EET BUF	09/25/24 12:58
Total/NA	Analysis	8270D		200	726296	RJS	EET BUF	09/26/24 21:19

Client Sample ID: MW-09D-09242024
Lab Sample ID: 480-223688-3
Date Collected: 09/24/24 12:40
Matrix: Water
Date Received: 09/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	726164	ERS	EET BUF	09/26/24 05:44
Total/NA	Analysis	8260C	DL	40	726406	LCH	EET BUF	09/27/24 18:54
Total/NA	Prep	3510C			726170	LSC	EET BUF	09/25/24 12:58
Total/NA	Analysis	8270D		500	726296	RJS	EET BUF	09/26/24 21:47

Client Sample ID: EB-09242024
Lab Sample ID: 480-223688-4
Date Collected: 09/24/24 13:30
Matrix: Water
Date Received: 09/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726406	LCH	EET BUF	09/27/24 19:17
Total/NA	Prep	3510C			726170	LSC	EET BUF	09/25/24 12:58
Total/NA	Analysis	8270D		1	726296	RJS	EET BUF	09/26/24 22:15

Client Sample ID: TB-09242024
Lab Sample ID: 480-223688-5
Date Collected: 09/24/24 09:30
Matrix: Water
Date Received: 09/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726164	ERS	EET BUF	09/26/24 06:29

Lab Chronicle

Client: Parsons Corporation
Job ID: 480-223688-1
Project/Site: Avangrid - Clark Street

Client Sample ID: MW-PAR-01-09242024
Lab Sample ID: 480-223688-6
Date Collected: 09/24/24 09:45
Matrix: Water
Date Received: 09/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726164	ERS	EET BUF	09/26/24 06:51
Total/NA	Prep	3510C			726170	LSC	EET BUF	09/25/24 12:58
Total/NA	Analysis	8270D		10	726296	RJS	EET BUF	09/26/24 17:11

Client Sample ID: MW-PAR-02-09242024
Lab Sample ID: 480-223688-7
Date Collected: 09/24/24 11:55
Matrix: Water
Date Received: 09/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	726164	ERS	EET BUF	09/26/24 07:14
Total/NA	Prep	3510C			726170	LSC	EET BUF	09/25/24 12:58
Total/NA	Analysis	8270D		50	726296	RJS	EET BUF	09/26/24 22:43

Client Sample ID: MW-01B-09242024
Lab Sample ID: 480-223688-8
Date Collected: 09/24/24 13:30
Matrix: Water
Date Received: 09/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726164	ERS	EET BUF	09/26/24 07:36
Total/NA	Prep	3510C			726170	LSC	EET BUF	09/25/24 12:58
Total/NA	Analysis	8270D		1	726296	RJS	EET BUF	09/26/24 23:10

Client Sample ID: FD-09242024
Lab Sample ID: 480-223688-9
Date Collected: 09/24/24 12:01
Matrix: Water
Date Received: 09/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	726406	LCH	EET BUF	09/27/24 19:39
Total/NA	Prep	3510C			726170	LSC	EET BUF	09/25/24 12:58
Total/NA	Analysis	8270D		1	726296	RJS	EET BUF	09/26/24 23:38
Total/NA	Prep	3510C	DL		726170	LSC	EET BUF	09/25/24 12:58
Total/NA	Analysis	8270D	DL	10	726449	RJS	EET BUF	09/27/24 14:36

Laboratory References:

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

Accreditation/Certification Summary

Client: Parsons Corporation
Job ID: 480-223688-1
Project/Site: Avangrid - Clark Street

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

Method Summary

Client: Parsons Corporation
Job ID: 480-223688-1
Project/Site: Avangrid - Clark Street

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Parsons Corporation
Job ID: 480-223688-1
Project/Site: Avangrid - Clark Street

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-223688-1	MW-10D-09242024	Water	09/24/24 09:55	09/25/24 10:30
480-223688-2	MW-08D-09242024	Water	09/24/24 11:30	09/25/24 10:30
480-223688-3	MW-09D-09242024	Water	09/24/24 12:40	09/25/24 10:30
480-223688-4	EB-09242024	Water	09/24/24 13:30	09/25/24 10:30
480-223688-5	TB-09242024	Water	09/24/24 09:30	09/25/24 10:30
480-223688-6	MW-PAR-01-09242024	Water	09/24/24 09:45	09/25/24 10:30
480-223688-7	MW-PAR-02-09242024	Water	09/24/24 11:55	09/25/24 10:30
480-223688-8	MW-01B-09242024	Water	09/24/24 13:30	09/25/24 10:30
480-223688-9	FD-09242024	Water	09/24/24 12:01	09/25/24 10:30

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Zack Cornish	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-199497-41150.1
Client Contact: Cathy Adamitis	Phone: 607-354-6482	E-Mail: John.Schove@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Parsons Corporation	PWSID:			Job #:
Address: 301 Plainfield Road Suite 350	Due Date Requested:	Analysis Requested		Preservation Codes: A - HCL, N - None
City: Syracuse	TAT Requested (days): STANDARD			
State, Zip: NY, 13212	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 452562.452563..60214.07			
Email: catherine.adamitis@parsons.com	WO #: 45262.03000			
Project Name: Avangrid - Clark Street	Project #: 48024389			
Site: CLARK	SSOW#:			

480-223688 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX	8270D - PAH Semivolatiles	Total Number of c	Special Instructions/Note:
			Preservation Code:				A	N		
MW-10D-09242024	9/24/24	0955	G	Water	N	N	2	3	5	
MW-08D-09242024	9/24/24	1130	G	Water	N	N	2	3	5	
MW-09D-09242024	9/24/24	1240	G	Water	N	N	2	3	5	
EB-09242024	9/24/24	1330	G	Water	N	N	2	3	5	
TB-09242024	9/24/24	0930	G	Water	N	N	0	2	2	
MW-PAR-01-09242024	9/24/24	0945	G	Water	N	Y	6	9	15	MS/MSD
MW-PAR-02-09242024	9/24/24	1155	G	Water	N	N	2	3	5	
MW-01B-09242024	9/24/24	1330	G	Water	N	N	2	3	5	
FD-09242024	9/24/24	1201	G	Water	N	N	2	3	5	
				Water						
				Water						

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Zack Cornish	9/24/24 @ 1600	PARSONS		9/25/24 1030	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		#1 2.9

Ver: 05/06/2024

Login Sample Receipt Checklist

Client: Parsons Corporation

Job Number: 480-223688-1

Login Number: 223688

List Source: Eurofins Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.9 ICE IR #SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	PARSONS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

APPENDIX D – PHOTOGRAPHIC LOG

APPENDIX D: 2024 MONITORING AND MAINTENANCE SUMMARY PHOTOGRAPHIC LOG: CLARK STREET FORMER MGP SITE

CLARK STREET FORMER MGP SITE

Observations:

Photographs 1 – 6 show the qualitative field survey. The site is well vegetated and dominated by native grassland vegetation. Switchgrass (*Panicum virgatum*) is the dominant grass species. At the time of the survey, the vegetation was senesced for the year, but were still easily identifiable.

Photograph 1

Photograph 2

Photograph 3

Photograph 4

Photograph 5

Photograph 6

APPENDIX E – SITE MANAGEMENT FORM

Institutional and Engineering Controls Inspection Form

I. Site Information

Site No.: 70-06-008 Site Name: Clark Street Former Manufactured Gas Plant

Site Address: 211 Clark Street Zip Code: 13021

City/Town: Auburn, NY County: Cayuga

Current Use: vacant unimproved gravel lot

II. Site Conditions

- Physical characteristics of the Site-flat, open gravel lot with vegetated banks along the river
- Current Site operations- annual groundwater and quarterly NAPL monitoring, annual inspection

III. Site Inspection Checklist

1. Has some or all of the Site property been sold, subdivided, merged, or undergonea tax map amendment since the initial/last certification?
   5/12/2025: NO

   If YES, is documentation or evidence that documentation has been previously submitted included with this certification?

2. Have any amendments and/or additional filings been recorded that may modify or supersede the Environmental Easement?
   5/12/2025: NO

   If YES, is documentation or evidence that documentation has been previously submitted included with this certification?

3. Have any federal, state, and/or local permits (e.g., building permit) beenissued for or at the property since the initial/last certification?
   5/12/2025: NO

   If YES, is documentation or evidence that documentation has been previously submitted included with this certification?

4. Has there been an actual or pending zoning or land-use change for the

   RestrictedArea on which the Environmental Easement is filed?

   If YES, is documentation or evidence that documentation has been previously submitted included with this certification?
   5/12/2025: NO

5. Have periodic inspections of the Site identified any excavation or other disturbance activities that have taken place within the institutional control areas or other areas subject to the Site Management Plan?
   5/12/2025: NO

6. Is the Site cover in good working condition, free of excess wear and tear, and without obvious signs of failure? Note any observed deficiencies.

   5/12/2025: Site is in good condition; vegetation is in excellent condition and no bare spots or erosion were observed.

   If YES, is the new information or evidence that new information has been previously submitted included with this Certification?
   5/12/2025**: Yes, this is new information, included above.**

Control Certification Statement

For each Institutional or Engineering control listed above, I certify by checking "Yes" that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control;

(d) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(e) if a financial assurance mechanism is required under the oversight document for the site, the mechanism remains valid and sufficient for the intended purpose under the document;

(f) use of the site is compliant with the Environmental Easement;

(g) the information presented in this report is accurate and complete;

(h) no new information has come to my attention, including groundwater monitoring data from wells located at the site boundary, if any, to indicate that the assumptions made in the qualitative exposure assessment of off- site contamination are no longer valid; and

(i) the assumptions made in the qualitative exposure assessment remain valid.

IC/EC CERTIFICATIONS SITE NO. 70-06-008

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I Levia Terrell (print name) at 18 Link Drive, Binghamton, New York 13902 (print business address)

am certifying as OWNER (Owner or Remedial Party) for the Site named in the Site Information Section of this form.

Levia Terrell — 5/13/2025

Owner or Remedial Party Rendering Certification — Date

QUALIFIED ENVIRONMENTAL PROFESSIONAL (QEP) SIGNATURE

I, Jeffrey Poulsen, PG. at Parsons, 40 LaRiviere Dr, Suite 122, Buffalo, NY 14202
am certifying as a Qualified Environmental Professional for the Site named in the Site Information Section of this form. (Owner or Remedial Party)

5/12/2025

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification — Stamp (if Required) — Date