nationalgrid

Steven P. Stucker, C.P.G.
Lead Environmental Engineer

March 14, 2025

Mr. Tracey Garland
New York State Department of Environmental Conservation
Division of Environmental Remediation, BURC
625 Broadway
Albany, New York 12233-7014

Re: ***National Grid Ogdensburg Former MGP Site***
NYSDEC Site No. 645053
10 King Street
Ogdensburg, New York
2024 Periodic Review Report

Dear Mr. Garland:

Enclosed for your review is the 2024 Periodic Review Report (PRR) for the National Grid Ogdensburg Former MGP Site. The PRR pertains to the period from February 17, 2024 through February 17, 2025 and includes a brief report and Institutional Controls/Engineering Controls (IC/EC) Certification Form.

Please feel free to contact me at 315.428.5652 if you have any questions.

Sincerely,

for SPS
Steven P. Stucker, C.P.G.
Lead Environmental Engineer

300 Erie Boulevard West, C-1
T: 315-428-5652 ■ F: 315-428-3549 ■ steven.stucker@us.ngrid.com ■ www.nationalgrid.com

National Grid- Ogdensburg MGP Site (NYSDEC Site No. 645053)

Reporting Period – February 17, 2024 through February 17, 2025

I. Introduction

A. **Brief Site Summary** –

The Former Ogdensburg Manufactured Gas Plant (MGP) Site (the Site) is located on an approximate 0.958 acre lot, with the address of 10 King Street in Ogdensburg, New York (refer to Figure 1 Site Location Map). The Site is owned by the St. Lawrence Gas Company. Manufactured gas was produced at the Site by a predecessor company to Niagara Mohawk Power Corporation from approximately 1854 until at least 1930 using the coal carbonization process. The majority of the buildings and above-grade structures were removed by 1949; however, several subsurface foundations and piping were left in place. In addition to the former MGP, the Site was the location of a quarry from approximately 1850 to after 1865, and was used for the storage of propane gas tanks from before 1945 until sometime before 1997.

An investigation of the Site began in 2003 with the site characterization (SC), the remedial investigation (RI), which was conducted between 2003 and 2009, and culminating in 2010 with the pre-design investigation (PDI). During these investigations, 76 soil borings were drilled, 22 monitoring wells were installed, 10 test pits were excavated, three soil vapor investigations were conducted, and more than 230 samples of environmental media were collected and analyzed. The results of the SC and RI were presented in the Remedial Investigation Report (RI Report; Arcadis 2009), and the results of the PDI were presented in the Pre-Design Investigation Summary Report (PDI Report; National Grid 2011). In March 2009, National Grid also conducted an investigation of the City of Ogdensburg's combined sewer system located downstream from the Site. The investigation was prompted by the findings of the utility evaluation conducted in October 2008 during the Phase III RI, which identified non-aqueous phase liquid (NAPL) in a sewer lateral that extended from the western portion of the Site, along the fence line, to one of the manholes in King Street. The results of the sewer investigation were presented in an April 10, 2009 memorandum to the NYSDEC (Arcadis 2009) and were summarized in the RI Report.

The site investigations identified impacted soils from MGP related activities, specifically coal tar and purifier waste. The constituents of concern (COCs) are primarily the volatile organic compounds (VOCs) benzene, toluene, ethylbenzene, and xylenes (collectively, BTEX), the general class of semi-volatile organic compounds (SVOCs) known as polycyclic aromatic hydrocarbons (PAHs), and cyanide, all of which were found at the Site and the off-Site area.

B. **Remedial Program Effectiveness** – During the reporting period (February 17, 2024 to February 17, 2025) the long-term remedial objectives were met for the site.

C. **Remedial Program Compliance** - The major elements within the Institutional Control/Engineering Control(s) (IC/EC) Plan are in compliance.

D. **Remedial Program Recommendations** - It is recommended that no changes be made to the IC/EC Plan. It is recommended that an annual Periodic Review Report (PRR) be submitted. The next PRR submittal will cover the period February 17, 2025 to February 17, 2026.

II. Site Overview

A. Site Location and Boundaries –

The Site is located at 10 King Street in the City of Ogdensburg, County of St. Lawrence, New York (Figure 1 presents the site location map). The Site is an approximate 0.958-acre area bounded by King Street to the north, privately-owned properties to the south and west, a privately-owned property and a vacant National Grid-owned property to the east. Currently, the property is grass-covered, vacant and surrounded by a 6-foot chain link fence with barbed wire.

B. Regulatory History and Remedy Features –

The Site was remediated between May and October 2013 in accordance with the *Voluntary Cleanup Program Decision Document* (NYSDEC 2010b) and *Final (100%) Remedial Design* (Arcadis 2012). This PRR is being completed in compliance with Section 6.3 of the NYSDEC – approved Site Management Plan (SMP) for the project. A Deed of Restrictions and Covenants (DCR) was placed on the property in February 2018 by the Owner, and is included in Appendix A of the SMP.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness

A. **Evaluation of Remedy Performance** – Annual visual inspections of the cover system are conducted on the Site. The remedy performance has been effective in protecting the public.

IV. IC/EC Plan Compliance Report

A. IC/EC Requirements and Compliance

1. IC/EC Controls

The ICs/ECs:

- Soil Cover System and Fencing: Annual site inspection of the cover system includes identification of any damage to the cover. The fence is also inspected for any damage. National Grid conducts quarterly inspections for internal security purposes. See Attachment 1 for the Site Inspection Forms.

- Monitoring Wells Associated with Monitored Natural Attenuation (MNA): Semi-annual groundwater sampling of the monitoring well system will be conducted, until either water quality is consistently below NYSDEC standards, or has become asymptotic at an acceptable level over an extended period.

2. **IC/EC Goals -** Each goal is being met and/or working effectively.

3. **IC/EC Corrective Measures –** No deficiencies were noted during the site inspections.

4. **IC/EC Conclusions/Recommendations –** The EC program is in compliance and there are no recommendations for the program at this time.

5. **IC/EC Certification** – Refer to PRR Form - Attachment 2 for the certification.

V. Monitoring Plan Compliance Report – The Annual Monitoring Report was submitted to the NYSDEC on January 30, 2024. See Attachment 3 for a copy of the Annual Monitoring Report.

VI. Operation & Maintenance (O&M) Plan Compliance Report – Not Applicable

VII. Overall PRR Conclusions and Recommendations

A. **Compliance with Site Management Plan (SMP)**

1. **Requirements –** All IC/EC Plan requirements were met during this reporting period.

2. **Exposure Pathways –** There are no new completed exposure pathways resulting in unacceptable risk.

3. **Proposed Plans and Schedule to Meet Compliance –** No plan proposed.

B. **Performance and Effectiveness of the Remedy –** The remedy as described in the Site Management Plan and executed by National Grid has been effective in meeting the program goals.

C. **Future PRR Submittals** – The frequency of PRR Submittals should remain annual. Therefore, the next PRR reporting period will cover February 17, 2025 through February 17, 2026.

VIII. Additional Guidance – The former cheese factory, located across King Street, was demolished in 2024. All monitoring wells on this property remain intact following the demolition work.

REFERENCES

Arcadis, 2018. "Site Management Plan, Ogdensburg (King Street) Non-Owned Former MGP Site", September 2018.

Attachment 1: Site Inspection Forms

Site Management Plan Inspection Form
Ogdensburg (King Street)
Non-Owned Former MGP Site
Ogdensburg, New York
NYSDEC Site No. V00479

Date: 1/16/2025 Time: 10:00
Technician: PL Weather: Snowing 23

Site Wide			
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:

Site Wide - SLG Responsible to Maintain			
Perimeter Fence and Gates intact?	YES	NO	COMMENTS:
Have the lawns been mowed?	YES	NO	COMMENTS: Winter

Soil Cover System			
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:
Any surface erosion?	YES	NO	COMMENTS:
Any settlement?	YES	NO	COMMENTS:
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS: Winter
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:

NG Owned Property on Lake Street - Not part of the SMP				
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO	COMMENTS:
Have the lawns been mowed?	YES		NO	COMMENTS: Winter
Conditon of the sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Condition of the site trees?	GOOD	FAIR	POOR	COMMENTS:
Are the boulders in place?	YES		NO	COMMENTS:

Miscellaneous				
Evidence of Trespassing	YES		NO	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-2(R)	YES	NO
MW-5R(R)	YES	NO
MW-8R	YES	NO
MW-9	YES	NO
MW-10R	YES	NO
MW-11	YES	NO
MW-12R	YES	NO
MW-14R	YES	NO
MW-15	YES	NO
MW-15RS	YES	NO
MW-17R	YES	NO
MW-19R	YES	NO
MW-20R	YES	NO

General Comments:

Tree across fence, see pictures. Fence does not appear to be damaged.

Site Management Plan Inspection Form
Ogdensburg (King Street)
Non-Owned Former MGP Site
Ogdensburg, New York
NYSDEC Site No. V00479

Date: 10/23/2024 Time: 7:45
Technician: KL Weather: Cloudy 60

Site Wide			
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:

Site Wide - SLG Responsible to Maintain			
Perimeter Fence and Gates intact?	YES	NO	COMMENTS:
Have the lawns been mowed?	YES	NO	COMMENTS:

Soil Cover System			
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:
Any surface erosion?	YES	NO	COMMENTS:
Any settlement?	YES	NO	COMMENTS:
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:

NG Owned Property on Lake Street - Not part of the SMP				
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO	COMMENTS:
Have the lawns been mowed?	YES		NO	COMMENTS:
Conditon of the sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Condition of the site trees?	GOOD	FAIR	POOR	COMMENTS:
Are the boulders in place?	YES		NO	COMMENTS:

Miscellaneous				
Evidence of Trespassing	YES		NO	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-2(R)	YES	NO
MW-5R(R)	YES	NO
MW-8R	YES	NO
MW-9	YES	NO
MW-10R	YES	NO
MW-11	YES	NO
MW-12R	YES	NO
MW-14R	YES	NO
MW-15	YES	NO
MW-15RS	YES	NO
MW-17R	YES	NO
MW-19R	YES	NO
MW-20R	YES	NO

General Comments:

Site Management Plan Inspection Form
Ogdensburg (King Street)
Non-Owned Former MGP Site
Ogdensburg, New York
NYSDEC Site No. V00479

Date: 7/31/2024 Time: 09:00
Technician: Kevin Leo Weather: Rain 73

Site Wide		
Any repairs, maintenace or corrective actions since the last inspection?	No	COMMENTS:
Are the requirements of the Site Management Plan being met?	Yes	COMMENTS:
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	No	COMMENTS:

Site Wide - SLG Responsible to Maintain		
Perimeter Fence and Gates intact?	Yes	COMMENTS:
Have the lawns been mowed?	Yes	COMMENTS:

Soil Cover System		
Any signs of ground-intrusive activities?	No	COMMENTS:
Any soil disturbance regardless of quantity/extent?	No	COMMENTS:
Any surface erosion?	No	COMMENTS:
Any settlement?	No	COMMENTS:
Bare or sparsely-vegetated areas?	No	COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	No	COMMENTS:

NG Owned Property on Lake Street - Not part of the SMP		
Any repairs, maintenace or corrective actions since the last inspection?	No	COMMENTS:
Have the lawns been mowed?	Yes	COMMENTS:
Conditon of the sidewalks?	Good	COMMENTS:
Condition of the site trees?	Good	COMMENTS:
Are the boulders in place?	Yes	COMMENTS:

Miscellaneous		
Evidence of Trespassing	No	COMMENTS:
Litter	None	COMMENTS:

Site Monitoring Wells	
Well ID.	***Location Secure***
MW-2(R)	Yes
MW-5R(R)	Yes
MW-8R	Yes
MW-9	Yes
MW-10R	Yes
MW-11	Yes
MW-12R	Yes
MW-14R	Yes
MW-15	Yes
MW-15RS	Yes
MW-17R	Yes
MW-19R	Yes
MW-20R	Yes

General Comments:
MW-19R which was under the pump was located and in good condition.

Site Management Plan Inspection Form
Ogdensburg (King Street)
Non-Owned Former MGP Site
Ogdensburg, New York
NYSDEC Site No. V00479

Date: 4/24/2024 Time: 13:11
Technician: Kevin Leo Weather: PC 35

Site Wide		
Any repairs, maintenace or corrective actions since the last inspection?	No	COMMENTS:
Are the requirements of the Site Management Plan being met?	Yes	COMMENTS:
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	No	COMMENTS:

Site Wide - SLG Responsible to Maintain		
Perimeter Fence and Gates intact?	Yes	COMMENTS:
Have the lawns been mowed?	No	COMMENTS:

Soil Cover System		
Any signs of ground-intrusive activities?	No	COMMENTS:
Any soil disturbance regardless of quantity/extent?	No	COMMENTS:
Any surface erosion?	No	COMMENTS:
Any settlement?	No	COMMENTS:
Bare or sparsely-vegetated areas?	No	COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	No	COMMENTS:

NG Owned Property on Lake Street - Not part of the SMP		
Any repairs, maintenace or corrective actions since the last inspection?	No	COMMENTS:
Have the lawns been mowed?	No	COMMENTS:
Conditon of the sidewalks?	Good	COMMENTS:
Condition of the site trees?	Good	COMMENTS:
Are the boulders in place?	Yes	COMMENTS:

Miscellaneous		
Evidence of Trespassing	No	COMMENTS:
Litter	None	COMMENTS:

Site Monitoring Wells	
Well ID.	***Location Secure***
MW-2(R)	Yes
MW-5R(R)	Yes
MW-8R	Yes
MW-9	Yes
MW-10R	Yes
MW-11	Yes
MW-12R	Yes
MW-14R	Yes
MW-15	Yes
MW-15RS	Yes
MW-17R	Yes
MW-19R	Yes, No
MW-20R	Yes

General Comments:
Cheese factory under demolition, pump station area by MW-19R under construction. Pump station contact Joe Hays 315-681-1898. Cheese factory contact George Young's 315-360-2830 Bronco Contracting LLC. Unable to sample MW-9, MW-14R, MW-17R AND MW-19R ALL IN FENCED IN CONSTRUCTION ZONE.

April 25, 2024 – Site Conditions

August 1, 2024 – Site Conditions

October 23, 2024 – Site Conditions

January 16, 2025 – Site Conditions

Second January 2025 photo shows the tree laying across the fence line as indicated in the inspection sheet from that day.

Attachment 2: PRR Certification Form

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 645053

Site Name NM - Ogdensburg MGP

Site Address: 10 King St. Zip Code: 13669
City/Town: Ogdensburg
County: St Lawrence
Site Acreage: 0.958

Reporting Period: February 17, 2024 to February 17, 2025

	YES	NO
1. Is the information above correct?	X	
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?		X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	
7. Are all ICs in place and functioning as designed?	X	

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 645053 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
48.078-5-19	St. Lawrence Gas Company	Ground Water Use Restriction Landuse Restriction Site Management Plan

Deed Restriction was filed on October 10, 2006. A Site Management Plan was approved on September 26, 2018 (see Site # 645053).

48.078-5-25.1	NMPC. d/b/a National Grid	Ground Water Use Restriction Landuse Restriction Site Management Plan

The Easement was recorded on March 22, 2018. The Site Management Plan was approved on September 26, 2018.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
48.078-5-19	Cover System Fencing/Access Control

The Engineering controls for the site include a site cover system and fencing to control access. The property is restricted to commercial use and groundwater use is also prohibited.

48.078-5-25.1	Cover System Fencing/Access Control

The Engineering controls in place include a cover system, restriction of land use to commercial, groundwater use prohibited, and site fencing to control access.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) 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) 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;

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

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. 645053

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Gerald Creasp, PE (print name) at 6780 Northern Blvd. Suite 100, East Syracuse, NY (print business address),

am certifying as agent for National Grid (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

STATE OF NEW YORK
GERALD H. CRESAP JR.
087401
PROFESSIONAL ENGINEER

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

3-12-2025
Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Gerald Creasp, PE (print name) at 6780 Northern Blvd. Suite 100, East Syracuse, NY (print business address),

am certifying as a Qualified Environmental Professional for the agent for National Grid (Owner or Remedial Party)

STATE OF NEW YORK
GERALD H. CRESAP, JR.
087401
LICENSED PROFESSIONAL ENGINEER

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

3-12-2025
Date

Attachment 3: Annual Monitoring Report

Steven P. Stucker, C.P.G.
Lead Environmental Engineer

January 30, 2025

Mr. Tracey Garland
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation, BURC
625 Broadway
Albany, New York 12233-7014

RE: National Grid Former Manufactured Gas Plant Site
10 King Street, Ogdensburg, New York
Annual Groundwater Monitoring Report

Dear Mr. Garland:

Enclosed for your review is the Annual Groundwater Monitoring Report for the NG Ogdensburg MGP Site, for 2024.

Groundwater and Environmental Service, Inc., (GES) OM&M contractor for National Grid, conducts all long-term OM&M activities at the site. Quarterly site inspections were conducted in 2024 (January, April, July, and October). The site is generally in good shape and in compliance. There were detections of BTEX and/or PAHs in nine (9) of the 13 monitoring wells sampled.

If you have any questions, then please feel free to contact me at 315.428.5652.

Very truly yours,

for SPS

Steven P. Stucker, C.P.G.
Lead Environmental Engineer
National Grid

Cc: Devin T. Shay – Groundwater and Environmental Services, Inc.

National Grid

Annual Groundwater Monitoring Report

National Grid Ogdensburg, Former MGP Site
10 King Street, Ogdensburg, NY 13669

January 2025

Version 1

Annual Groundwater Monitoring Report

National Grid Ogdensburg, Former MGP Site
10 King Street
Ogdensburg, NY 13669

Prepared for:
National Grid
300 Erie Boulevard West, C-1
Syracuse, NY 13202

Prepared by:
Groundwater & Environmental Services, Inc.
6780 Northern Boulevard, Suite 100
East Syracuse, NY 13057
TEL: 800-220-3069
www.gesonline.com

GES Project:
0603500.136690.221

Date:
January 30, 2025

Devin T. Shay, PG
Program Manager / Principal Hydrogeologist

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Figures

Tables

Appendices

1 Introduction

This Annual Groundwater Monitoring Report presents results from the activities conducted at the Ogdensburg former manufactured gas plant (MGP) site (the site) located in Ogdensburg, New York (the Site). A site map is presented on **Figure 1**. The work summarized herein has been conducted in accordance with the approved Site Management Plan (SMP) for the site, dated September 26, 2018.

A detailed discussion of the semi-annual monitoring activities and results is presented below.

2 Semi-Annual Groundwater Monitoring

2.1 Objectives

The objectives of the April and October 2024 groundwater monitoring activities were to:

- Obtain groundwater elevation data from monitoring wells in the vicinity of the site to evaluate groundwater flow direction and velocity, and compare the results with historical groundwater flow conditions.
- Obtain analytical data to assess potential changes in groundwater quality at the site and compare the results to the Class GA groundwater standards and guidance values presented in the New York State Department of Environmental Conservation (NYSDEC) document entitled, "Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (TOGS 1.1.1), reissued June 1998 and addended April 2000 and June 2004.

2.2 Groundwater Well Gauging

The April 24, 2024 and October 23, 2024 groundwater monitoring field activities were conducted by GES. Prior to collecting groundwater samples, static fluid level measurements were collected from MW-2(R), MW-5R(R), MW-8R, MW-9, MW-10R, MW-11, MW-12R, MW-14R, MW-15, MW-15RS, MW-17R, MW-19R, and MW-20R. Water levels were measured to the nearest 0.01 foot using an electronic oil-water interface probe to determine the depth from a surveyed mark on the top of the inner polyvinyl chloride (PVC) well casing to the groundwater within the well. During the April 2024 event, monitoring wells MW-9, MW-14R, MW-17R, and MW-19R were unable to be accessed as they were quartered off by fencing for the ongoing demolition at the neighboring property.

The fluid level measurements obtained from each monitoring well were converted to groundwater elevations using the surveyed well elevations. The calculated groundwater elevations for each monitoring well are listed in **Table 1**. **Table 1** also includes groundwater elevation measurements obtained during previous groundwater monitoring events. A shallow groundwater potentiometric surface contour map developed based on the groundwater elevation measurements taken on April 24, 2024 and October 23, 2024, is included on **Figure 2** and **Figure 3**, respectfully.

Groundwater generally flows to the north from the Site toward the St. Lawrence River. Groundwater elevations ranged from 248.60 feet above sea level (asl; well MW-15) to 257.08 feet asl (well MW-10R). Field data from the gauging event is presented in **Appendix B**.

2.3 Groundwater Well Sampling and Analytical Results

Groundwater samples were collected by GES from nine (9) monitoring wells on April 24, 2024 and 13 monitoring wells on October 23, 2024 (including MW-2(R), MW-5R(R), MW-8R, MW-9, MW-10R, MW-11, MW-12R, MW-14R, MW-15, MW-15RS, MW-17R, MW-19R, and MW-20R). Low-flow sampling techniques were used to purge groundwater from each monitoring well prior to collecting groundwater samples. Field parameters (consisting of turbidity, temperature, pH, conductivity, oxidation reduction potential [ORP], and dissolved oxygen) were measured approximately every 5 to 10 minutes during well purging, and the depth to water was monitored throughout the pumping process to minimize drawdown within the well. Well purging activities continued at each well until the field parameters stabilized and the turbidity of the water in the wells was reduced to less than 50 nephelometric turbidity units (NTUs). Groundwater field data is presented in **Appendix B**.

Following purging, groundwater samples were collected. The groundwater samples were bottled and shipped to Eurofins Environment Testing for laboratory analysis for Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX; EPA Method 8260C), Semi-Volatile Polycyclic Aromatic Hydrocarbons (PAHs; EPA Method 8270D), as well as total cyanide (EPA Method 9012B). Quality assurance/quality control (QA/QC) samples, including a field duplicate, matrix spike, and duplicate matrix spike were also submitted for laboratory analysis. The laboratory analytical results for the groundwater samples were reported using NYSDEC Analytical Services Protocol (ASP) Category B data deliverable packages to facilitate data validation.

Purge water generated during the sampling activities was collected in 5-gallon buckets and transferred into 55-gallon steel drums for characterization prior to offsite treatment/disposal in accordance with applicable regulations.

Analytical results from the laboratory analysis report are summarized in **Table 2** and compared to the Class GA groundwater standards and guidance values presented in TOGS 1.1.1. VOC exceedances are bolded on **Table 2** and further shown on **Figures 4** and **5**. The Data Usability Summary Report (DUSR) is included in **Appendix C**.

There were BTEX and/or PAH detections in most of the monitoring wells sampled during the April and October 2024 sampling events. In April 2024, BTEX, acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, and phenanthrene were detected above the regulatory criteria in one or more samples. Cyanide was detected in monitoring wells MW-2(R), MW-5R(R), MW-8R, MW-10R, MW-11, MW-12R, and MW-15RS during the April 2024 event. In October 2024, BTEX, acenaphthene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and naphthalene were detected above the regulatory criteria in one or more samples. Cyanide was detected in monitoring wells MW-2(R), MW-5R(R), MW-8R, MW-9, MW-10R, MW-11, MW-12R,

and MW-15RS in October 2024. As shown on **Table 2**, BTEX, PAHs and total cyanide detected in groundwater during the April and October 2024 sampling events are consistent with results from previous sampling events.

3 Quarterly Site-Wide Inspections

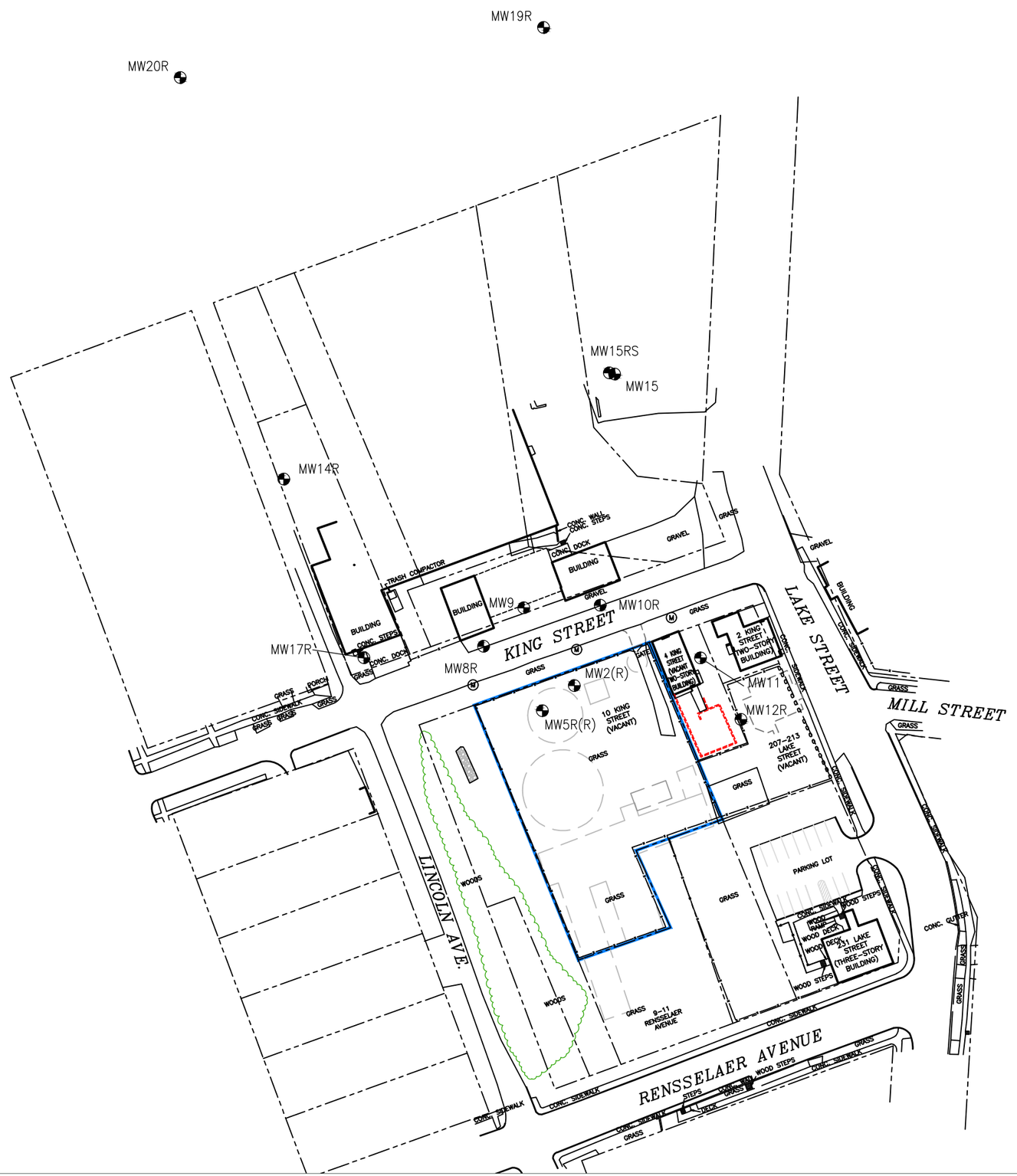
The quarterly site-wide inspections were conducted on January 25, April 24, July 31, and October 23, 2024. The Site Inspection Forms are presented in **Appendix A**. In general, the Site is in compliance.

4 Recommendations

4.1 Recommendations

At this time, National Grid recommends continuing the annual monitoring activities. The next annual groundwater sampling event would be in the spring 2025. Semi-Annual site-wide inspections are required; however, for internal security purposes, National Grid will continue to conduct quarterly site-wide inspections.

Figures



LEGEND

- PROPERTY BOUNDARY
- FENCE
- UTILITY MANHOLE
- MONITORING WELL

Expanded Site Map

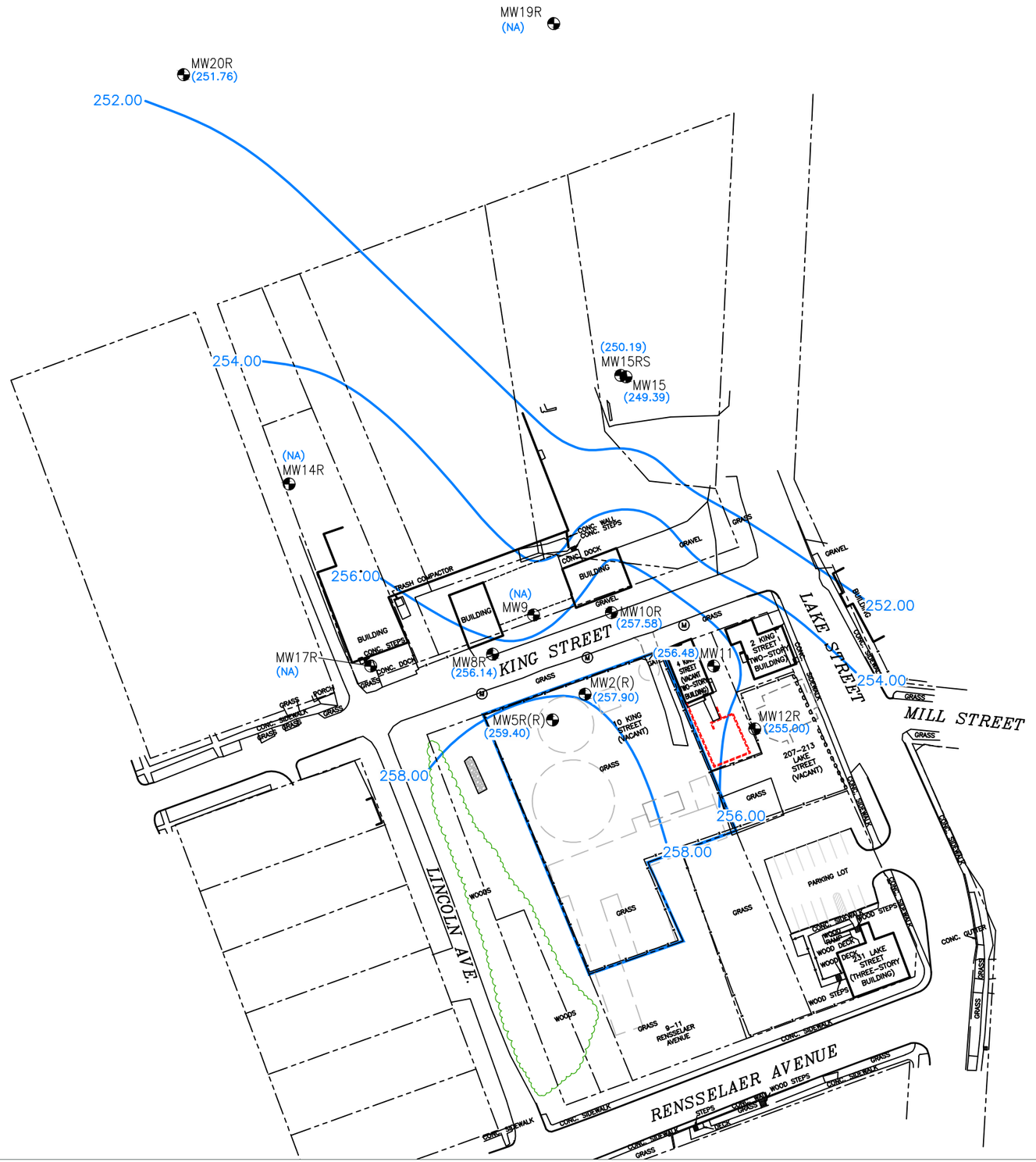
National Grid
10 King Street
Ogdensburg, New York

Drawn: D.H.
Designed:
Approved:
Date: 01/19/23
Figure: 1

Scale In Feet
0 100

Groundwater & Environmental Services, Inc.

M:\Graphics\0600-Syracuse\Misc\National Grid\Ogdensburg\Ogdensburg SM.dwg, B100 SM(current), DHendricks



LEGEND

— — — —	PROPERTY BOUNDARY
—— x ——	FENCE
Ⓜ	UTILITY MANHOLE
◔	MONITORING WELL
(257.90)	GROUNDWATER ELEVATION (feet)
~	GROUNDWATER ELEVATION CONTOUR (feet)
NA	NOT AVAILABLE

Groundwater Contour Map
April 24, 2024

National Grid
10 King Street
Ogdensburg, New York

Drawn
M.H.
Designed
R.K.
Approved
T.B.

Date
12/18/24
Figure
2

Scale In Feet
0 100

Groundwater & Environmental Services, Inc.

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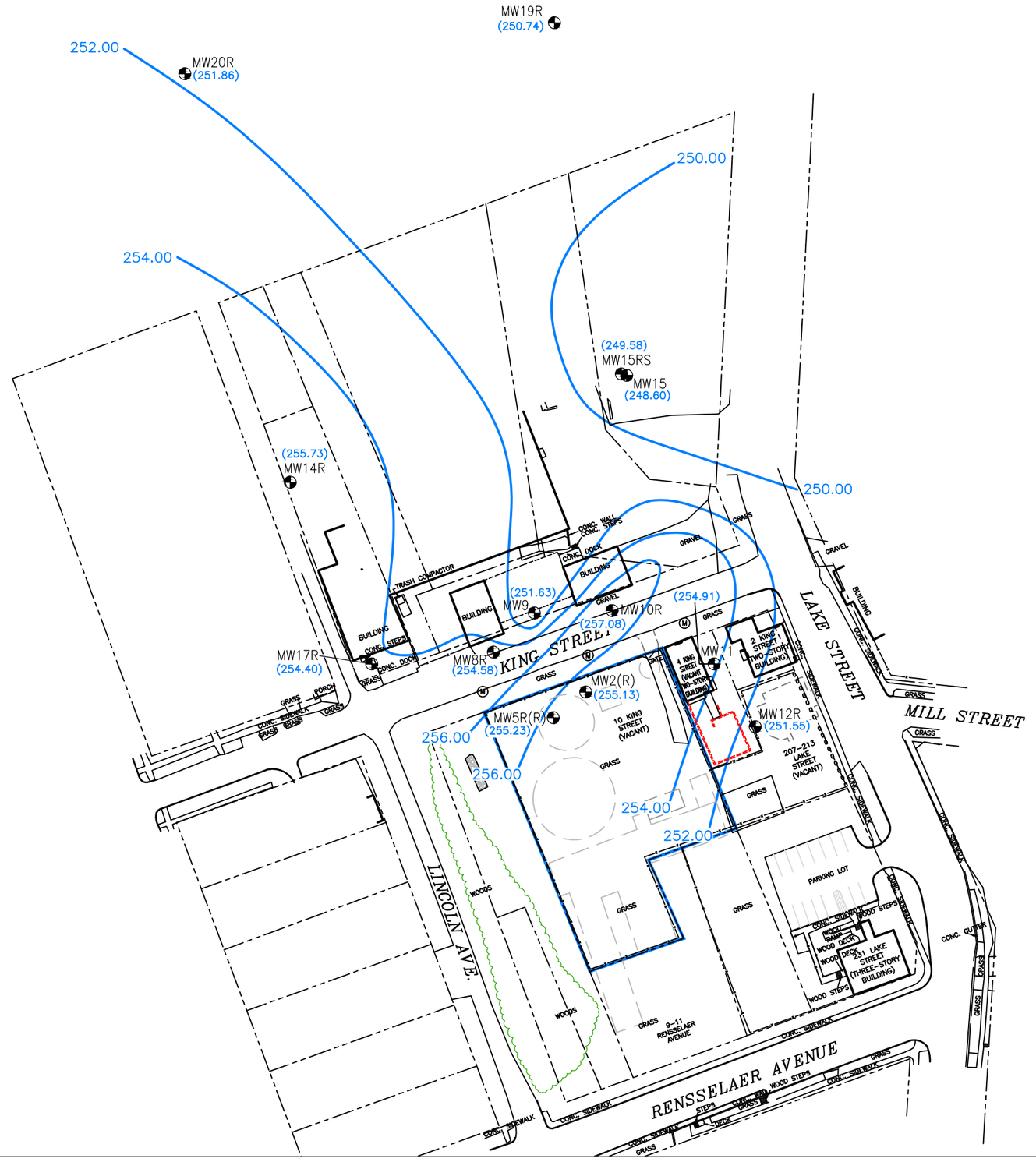
LEGEND

- PROPERTY BOUNDARY
- FENCE
- (M) UTILITY MANHOLE
- MONITORING WELL
- (255.13) GROUNDWATER ELEVATION (feet)
- GROUNDWATER ELEVATION CONTOUR (feet)



Groundwater Contour Map
October 23, 2024

National Grid
10 King Street
Ogdensburg, New York

Drawn	Date
M.H.	12/18/24
Designed	Figure
R.K.	3
Approved	
T.B.	

Scale In Feet
0 100

Groundwater & Environmental Services, Inc.

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MW19R
NA
NS
NS
NS

MW20R
251.76
ND
ND
ND

MW9
NA
NS
NS
NS

MW15RS
250.19
0.95
ND
59

MW15
249.39
ND
ND
ND

MW14R
NA
NS
NS
NS

MW8R
256.14
406
48.9
9.5 J

MW17R
NA
NS
NS
NS

MW2(R)
257.90
60
214.6
400

MW5R(R)
259.40
69.96
33.32
24

MW10R
257.58
2,480
683.7
110

MW11
256.48
ND
ND
130

MW12R
255.00
2,413
29.3
19

LEGEND

- PROPERTY BOUNDARY
- FENCE
- UTILITY MANHOLE
- MONITORING WELL
- MW2(R) — WELL IDENTIFICATION
- 257.90 — GROUNDWATER ELEVATION (feet)
- 60 — BTEX CONCENTRATION (µg/L)
- 214.6 — PAHs CONCENTRATION (µg/L)
- 400 — CYANIDE CONCENTRATION (µg/L)
- µg/L — MICROGRAMS PER LITER
- BTEX — BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
- PAHs — POLYCYCLIC AROMATIC HYDROCARBONS
- ND — NOT DETECTED
- NA — NOT AVAILABLE
- NS — NOT SAMPLED

Groundwater Monitoring Map
April 24, 2024

National Grid
10 King Street
Ogdensburg, New York

Drawn
M.H.
Designed
R.K.
Approved
T.B.

Date
12/18/24
Figure
4

Scale In Feet
0 100

Groundwater & Environmental Services, Inc.

N:\Graphics\Graphics\0600-Syracuse\Misc\National Grid\Ogdensburg\Ogdensburg SM.dwg, B100 SM(current), 1/22/2025 9:09:10 AM, mhollister

MW19R
250.74
ND
ND
ND

MW20R
251.86
ND
ND
ND

MW9
251.63
278.5
167.1
4,400

MW15RS
249.58
ND
ND
47

MW15
248.60
ND
ND
ND

MW14R
255.73
ND
ND
ND

MW8R
254.58
986
135.6
84

MW17R
254.40
ND
ND
ND

MW2(R)
255.13
38.3
252.9
1,400

MW5R(R)
255.23
678
437.6
61

MW10R
257.08
3,530
883
140

MW11
254.91
ND
4.16
160

MW12R
251.55
2,310
17.3
16

LEGEND

- PROPERTY BOUNDARY
- FENCE
- UTILITY MANHOLE
- MONITORING WELL
- MW2(R) — WELL IDENTIFICATION
- 255.13 — GROUNDWATER ELEVATION (feet)
- 38.3 — BTEX CONCENTRATION (µg/L)
- 252.9 — PAHs CONCENTRATION (µg/L)
- 1,400 — CYANIDE CONCENTRATION (µg/L)
- µg/L — MICROGRAMS PER LITER
- BTEX — BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
- PAHs — POLYCYCLIC AROMATIC HYDROCARBONS
- ND — NOT DETECTED

Groundwater Monitoring Map
October 23, 2024

National Grid
10 King Street
Ogdensburg, New York

Drawn
M.H.
Designed
R.K.
Approved
T.B.

Date
12/18/24
Figure
5

Scale In Feet
0 100

Groundwater & Environmental Services, Inc.

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Tables

Table 1

Groundwater Monitoring Well Gauging Data

Well ID	Well Type & Diameter	Depth To Water (4/15/21)	Groundwater Elevation (4/15/21)	Depth To Water (10/20/21)	Groundwater Elevation (10/20/21)	Depth To Water (4/14/22)	Groundwater Elevation (4/14/22)	Depth To Water (10/20/22)	Groundwater Elevation (10/20/22)	Depth To Water (4/27/23)	Groundwater Elevation (4/27/23)	Depth To Water (10/18/23)	Groundwater Elevation (10/18/23)	Depth To Water (4/24/24)	Groundwater Elevation (4/24/24)	Depth To Water (10/23/24)	Groundwater Elevation (10/23/24)
MW-2(R)	Flushmount; PVC; 2-inch	2.69	256.51	4.18	255.02	1.26	257.94	2.72	256.48	2.27	256.93	2.93	256.27	1.30	257.90	4.07	255.13
MW-5R(R)	Flushmount; PVC; 2-inch	-0.04	259.44	2.11	257.29	0.00	259.40	1.89	257.51	-0.05	259.45	2.22	257.18	0.00	259.40	4.17	255.23
MW-8R	Flushmount; PVC; 2-inch	2.29	255.09	2.56	254.82	1.62	255.76	1.75	255.63	1.75	255.63	2.05	255.33	1.24	256.14	2.80	254.58
MW-9	Flushmount; PVC; 2-inch	4.83	252.17	4.94	252.06	4.84	252.16	4.84	252.16	4.91	252.09	4.97	252.03	NA	NA	5.37	251.63
MW-10R	Flushmount; PVC; 2-inch	0.00	257.58	0.55	257.03	0.00	257.58	0.00	257.58	0.10	257.48	0.15	257.43	0.00	257.58	0.50	257.08
MW-11	Flushmount; PVC; 2-inch	2.99	256.08	3.73	255.34	2.16	256.91	3.31	255.76	2.95	256.12	3.62	255.45	2.59	256.48	4.16	254.91
MW-12R	Flushmount; PVC; 2-inch	7.22	253.57	9.19	251.60	5.48	255.31	8.73	252.06	6.36	254.43	8.37	252.42	5.79	255.00	9.24	251.55
MW-14R	Flushmount; PVC; 2-inch	0.00	256.13	0.00	256.13	0.00	256.13	0.00	256.13	0.00	256.13	0.00	256.13	NA	NA	0.40	255.73
MW-15	Flushmount; PVC; 2-inch	7.30	249.32	8.33	248.29	6.96	249.66	7.55	249.07	7.38	249.24	7.57	249.05	7.23	249.39	8.02	248.60
MW-15RS	Flushmount; PVC; 2-inch	7.72	250.02	8.50	249.24	7.80	249.94	8.25	249.49	9.91	247.83	7.78	249.96	7.55	250.19	8.16	249.58
MW-17R	Flushmount; PVC; 2-inch	6.84	256.45	7.29	256.00	5.95	257.34	6.88	256.41	6.59	256.70	6.75	256.54	NA	NA	8.89	254.40
MW-19R	Flushmount; PVC; 2-inch	3.55	251.97	4.00	251.52	2.58	252.94	3.30	252.22	2.08	253.44	4.33	251.19	NA	NA	4.78	250.74
MW-20R	Flushmount; PVC; 2-inch	0.50	251.36	0.20	251.66	0.00	251.86	0.00	251.86	0.13	251.73	0.00	251.86	0.10	251.76	0.00	251.86

Notes:
NA = Not Avilable.

Table 2

Groundwater Analytical Data

MW-2(R)

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/23/14	10/20/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23	04/24/24	10/23/24
BTEX														
Benzene	1	µg/L	**61**	**120**	**55.4**	**44.3**	**49.1**	**45.2**	**38.4**	**63.4**	**37.3**	**35.4**	**29**	**23**
Ethylbenzene	5	µg/L	ND	3	1.5	1.6	2.0	1.3	ND	2.7	2.1	1.3	ND	ND
Toluene	5	µg/L	**29**	**44**	**22.4**	**19.4**	**23.1**	**17.8**	**18.4**	**29.3**	**20.6**	**15.7**	**15**	**9.9**
Total Xylenes	5	µg/L	**23**	**36**	**20.7**	**17.8**	**23.1**	**17.1**	**18.3**	**29.7**	**21.1**	**12.9**	**16**	**5.4 J**
SVOCs														
Acenaphthene	20	µg/L	1.8 J	4 J	3.5	3.0	4.9	10.7	2.6	5.0	4.8	2.4	ND	ND
Acenaphthylene	- -	µg/L	7.7	18	16.2	12.6	20.7	44.9	10.5	19.8	18.5	11.2	9.8 J	15 J
Anthracene	ND	µg/L	1.7 J	3 J	2.6	1.8	2.2	6.7	1.1	2.1	2.4	1.9	ND	ND
Benzo(a)anthracene	0.002	µg/L	**3.3**	ND	**0.13**	**0.37**	ND	ND	ND	ND	ND	**0.18**	ND	ND
Benzo(a)pyrene	0.0	µg/L	**2.8**	ND	ND	0.38	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	**3.5**	ND	ND	**0.50**	ND	ND	ND	ND	ND	**0.17**	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	1.6 J	ND	ND	0.23	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	**1.4 J**	ND	ND	**0.17**	ND	ND	ND	ND	ND	**0.17**	ND	ND
Chrysene	0.002	µg/L	**2.6**	ND	ND	**0.29**	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	6.9	ND	1.2	1.3	0.98	2.9	0.49	1.5	1.6	0.92	ND	ND
Fluorene	50	µg/L	2.3	7	6.2	5.2	7.7	22.1	3.7	9.1	8.9	4.2	4.8 J	7.9 J
Indeno(1,2,3-cd)pyrene	0.002	µg/L	**1.4 J**	ND	ND	**0.23**	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	5.8	20	17.9	17.1	22.5	50.1	15.4	20.8	25.0	13.0	-	-
Naphthalene	10	µg/L	**120**	**270**	**210**	**270**	**327**	**622**	**257**	**234**	**273**	**162**	**200**	**230**
Phenanthrene	50	µg/L	4.1	6	5.0	4.1	5.5	17.7	2.0	6.6	7.0	3.2	ND	ND
Pyrene	50	µg/L	5.4	ND	0.74	0.92	0.61	1.7	0.30	1.0	1.1	0.55	ND	ND
Inorganics														
Cyanide, Total	200	µg/L	**900**	**530**	**240**	**4,100**	**390**	**4,900**	**330**	**680**	**450**	**670**	**400**	**1,400**

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-5R(R)

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/22/14	10/20/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23	04/24/24	10/23/24
BTEX														
Benzene	1	µg/L	**130**	**440**	**392**	**354**	**144**	**231**	**98.7**	**308**	**65.8**	**261**	**65**	**580**
Ethylbenzene	5	µg/L	**7.0**	**26**	**27.3**	**24.3**	**11.6**	**16.8**	4.9	**16.8**	3.1	**11.0**	2.1	**35**
Toluene	5	µg/L	3.0	**70**	**82.6**	**65.0**	**21.8**	**25.5**	3.9	**9.4**	1.1	**6.3**	0.86 J	**15**
Total Xylenes	5	µg/L	**6.4**	**53**	**78.9**	**58.7**	**24.2**	**33.7**	**8.4**	**26.2**	4.0	**16.3**	2.0	**48**
SVOCs														
Acenaphthene	20	µg/L	9.8	**71**	**44.9**	**38.8**	**26.8**	**28.5**	12.2	**20.6**	9.2	**29.5**	8.7	**94 J**
Acenaphthylene	- -	µg/L	6.6	40	31.9	24.6	14.1	16.6	3.5	7.9	1.7	5.6	2.6 J	7.6 J
Anthracene	ND	µg/L	0.50 J	8	4.9	3.1	0.85	2.0	ND	0.36	ND	0.35	0.95 J	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	**0.11**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.0	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	6	4.2	2.4	1.6	2.0	0.96	1.3	0.66	1.4	0.59 J	ND
Fluorene	50	µg/L	4.7	48	28.4	23.8	18.5	21.6	9.1	12.9	6.7	13.9	5.9	38 J
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	ND	6	10.3	7.9	3.9	4.3	0.76	0.77	ND	ND	-	-
Naphthalene	10	µg/L	4.1	**210**	**248**	**315**	**86.6**	**110**	4.7	**51.9**	**16.0**	**69.9**	**9.0**	**270**
Phenanthrene	50	µg/L	2.6	41	25.2	20.7	14.7	17.7	6.4	8.1	5.4	11.9	5.0	28 J
Pyrene	50	µg/L	ND	5	3.5	2.1	1.4	1.6	0.79	1.1	0.56	1.1	0.58 J	ND
Inorganics														
Cyanide, Total	200	µg/L	10	55	55	49	17	34	11	34	11	28	24	61

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-8R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/24/14	10/19/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23	04/24/24	10/23/24
BTEX														
Benzene	1	µg/L	**550**	**800**	**1,300**	**576**	**431**	**623**	**359**	**615**	**312**	**542**	**390**	**860**
Ethylbenzene	5	µg/L	**13**	**14**	**66.2**	**13.6**	**9.5**	**20.7**	**9.2**	**17.2**	**9.6**	**11.3**	**9.1 J**	**24**
Toluene	5	µg/L	**10**	**20**	**75.2**	**9.2**	**5.6**	**20.2**	**10.8**	**17.2**	**8.2**	**11.6**	ND	**54**
Total Xylenes	5	µg/L	**19**	**27**	**132**	**18.0**	**12.5**	**32.6**	**16.1**	**26.2**	**13.7**	**16.6**	**6.9 J**	**48**
SVOCs														
Acenaphthene	20	µg/L	5.6	10	16.2	7.6	8.2	12.6	7.5	8.5	6.7	11.0	9.0 J	13 J
Acenaphthylene	- -	µg/L	6.7	10	23.4	5.4	3.3	12.9	4.9	7.9	5.0	7.9	4.8 J	9.2 J
Anthracene	ND	µg/L	0.94 J	0.9	2.9	0.68	ND	1.5	0.44	0.61	1.5	1.1	ND	2.1 J
Benzo(a)anthracene	0.002	µg/L	ND	ND	**0.48**	**0.48**	**0.11**	**0.39**	**0.27**	**0.19**	**1.6**	**0.18**	ND	ND
Benzo(a)pyrene	0.0	µg/L	ND	ND	**0.28**	**0.36**	ND	**0.22**	**0.16**	**0.12**	**1.4**	**0.11**	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	**0.31**	**0.38**	ND	**0.33**	0.24	**0.18**	**1.9**	**0.14**	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	0.10	0.13	ND	ND	ND	ND	0.45	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	**0.10**	**0.18**	ND	**0.28**	0.22	**0.16**	**1.5**	**0.13**	ND	ND
Chrysene	0.002	µg/L	**0.39 J**	ND	**0.28**	**0.32**	ND	**0.22**	0.19	**0.12**	**1.3**	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	0.22	ND	ND	ND
Fluoranthene	50	µg/L	1.5 J	0.7	2.5	1.2	0.61	1.6	0.94	0.79	3.3	0.95	ND	3.1 J
Fluorene	50	µg/L	4.40	7	15.6	4.5	4.6	10.1	5.1	6.1	6.0	7.2	5.1 J	9.1 J
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	**0.10**	**0.14**	ND	ND	ND	ND	**0.45**	ND	ND	ND
2-Methylnapthalene	- -	µg/L	3.7	3	15.0	2.5	1.4	10.2	5.0	4.3	4.3	5.8	-	-
Naphthalene	10	µg/L	**33**	**51**	**333**	**37.9**	**35.8**	**109**	**65.5**	**47.4**	**35.2**	**47.1**	**30**	**90**
Phenanthrene	50	µg/L	2.7	2	9.2	1.7	1.3	4.0	1.8	2.0	5.4	2.5	ND	6.4 J
Pyrene	50	µg/L	1.1 J	0.5	1.8	0.97	0.45	1.2	0.73	0.61	2.8	0.67	ND	2.7 J
Inorganics														
Cyanide, Total	200	µg/L	59	**320**	54	58	26	17	22	120	12	66	9.5 J	84

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-9

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/24/14	10/19/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23	10/23/24
BTEX													
Benzene	1	µg/L	**280**	**340**	**283**	**228**	**165**	**259**	**155**	**378**	**245**	**279**	**160**
Ethylbenzene	5	µg/L	**120**	**140**	**112**	**107**	**65.3**	**111**	**79.2**	**146**	**103**	**114**	**68**
Toluene	5	µg/L	**170**	**85**	**50.8**	**16.3**	**9.6**	**21.3**	**24.1**	**108**	**30.3**	**67.6**	**9.5**
Total Xylenes	5	µg/L	**250**	**180**	**91.7**	**52.1**	**53.0**	**49.5**	**81.6**	**142**	**141**	**111**	**41**
SVOCs													
Acenaphthene	20	µg/L	**76**	**48**	**30.2**	**55.5**	**59.9**	**52.8**	**58.3**	**63.8**	**40.8**	**73.8**	**45**
Acenaphthylene	- -	µg/L	29	17	8.6	11.0	21.6	21.9	14.9	14.0	11.3	26.7	17 J
Anthracene	ND	µg/L	11	8	2.6	11.4	7.3	19.7	5.6	9.3	3.4	13.4	8.8 J
Benzo(a)anthracene	0.002	µg/L	ND	**2**	**0.21**	**5.80**	**2.5**	**18.5**	**2.8**	**4.8**	**0.59**	**4.6**	**3.1 J**
Benzo(a)pyrene	0.0	µg/L	ND	**1**	ND	**4.4**	**1.6**	**12.7**	**1.7**	**2.8**	**0.41**	**2.9**	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	**1**	ND	**4.8**	**2.1**	**18.0**	**2.4**	**4.2**	**0.56**	**3.3**	**2.5 J**
Benzo(g,h,i)perylene	- -	µg/L	ND	0.4 J	ND	1.5	0.46	4.5	0.56	ND	0.12	0.78	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	**0.5 J**	ND	**1.8**	**2.0**	**15.4**	**2.2**	**3.7**	**0.43**	**2.6**	ND
Chrysene	0.002	µg/L	ND	**1**	**0.13**	**4.30**	**1.8**	**11.2**	**2.0**	**3.3**	**0.39**	**2.3**	**2.6 J**
Dibenz(a,h)anthracene	- -	µg/L	ND	0.2 J	ND	0.46	0.21	1.6	0.22	ND	0.12	0.28	ND
Fluoranthene	50	µg/L	6.0	8	2.2	19.2	8.7	37.4	9.0	16.5	3.5	12.6	9.8 J
Fluorene	50	µg/L	**56**	38	19.0	36.1	34.1	45.4	28.1	38.9	22.4	**58.7**	34
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	**1**	ND	**1.5**	**0.49**	**4.3**	**0.58**	ND	**0.12**	**0.89**	ND
2-Methylnapthalene	- -	µg/L	14	1	ND	ND	ND	ND	ND	ND	ND	ND	-
Naphthalene	10	µg/L	**450**	**72**	**18.1**	9.1	**51.2**	**10.3**	**20.0**	**28.1**	**43.1**	**44.1**	**5.4 J**
Phenanthrene	50	µg/L	**51**	36	9.7	25.2	9.2	43.5	2.5	4.0	17.7	**53.4**	31
Pyrene	50	µg/L	3.5	5	1.2	12.7	6.1	28.1	6.2	11.8	2.2	8.8	7.9 J
Inorganics													
Cyanide, Total	200	µg/L	**410**	**1,300**	**1,000**	**1,500**	**320**	**1,100**	**560**	**950**	**410**	**1,500**	**4,400**

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-10R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/23/14	10/19/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23	04/24/24	10/23/24
BTEX														
Benzene	1	µg/L	**1,700 J**	**1,400**	**1,360**	**1,540**	**1,040**	**1,790**	**220**	**1,760**	**1,520**	**1,990**	**2,000**	**2,700**
Ethylbenzene	5	µg/L	**25 J**	**100**	**122**	**124**	**94.3**	**138**	**101**	**139**	**96**	**128**	**120**	**190**
Toluene	5	µg/L	3.1	**94**	**230**	**201**	**171**	**197**	**174**	**222**	**172**	**229**	**210**	**360**
Total Xylenes	5	µg/L	**15**	**65**	**161**	**150**	**125**	**161**	**127**	**175**	**134**	**164**	**150**	**280**
SVOCs														
Acenaphthene	20	µg/L	9.6	**24**	16.8	**25.3**	22.0	**29.8**	29.2	**37.5**	**26.4**	**40.6**	**37 J**	**44 J**
Acenaphthylene	- -	µg/L	6.0	23	22.7	27.5	31.9	34.1	37.5	46.6	31.8	39.3	47 J	49 J
Anthracene	50	µg/L	ND	0.5	0.80	0.89	0.89	ND	0.78	ND	0.43	0.87	1.0 J	ND
Benzo(a)anthracene	ND	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.0	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	0.11	0.11	ND	ND	0.096	ND	ND	ND	ND	ND
Fluorene	50	µg/L	3.9	11	8.1	11.4	9.7	13.2	10.5	16.2	10.0	14.6	16 J	20 J
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	ND	1	3.6	4.8	6.4	7.4	11.0	6.4	6.7	10.7	-	-
Naphthalene	10	µg/L	**20 J**	**140**	**296**	486	**405**	**653**	**449**	**431**	**401**	**608**	**580**	**770**
Phenanthrene	50	µg/L	1.3 J	2	1.6	2.4	1.8	2.3	1.7	2.5	1.7	2.5	2.7 J	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics														
Cyanide, Total	200	µg/L	**420**	190	63	62	74	61	150	110	110	75	110	140

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-11

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/25/14	10/18/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23	04/24/24	10/23/24
BTEX														
Benzene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs														
Acenaphthene	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	0.11	ND	ND	ND	**0.11**	ND	ND	ND	ND	**0.55 J**
Benzo(a)pyrene	ND	µg/L	ND	ND	**0.14**	ND	ND	ND	**0.11**	ND	ND	ND	ND	**0.77 J**
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	0.13	ND	**0.12**	ND	**0.16**	ND	ND	ND	ND	**0.71 J**
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.48 J
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	**0.12**	ND	**0.15**	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.51 J**
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.53 J
Fluorene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	ND	ND	0.19	ND	ND	ND	ND	ND	ND	ND	-	-
Naphthalene	10	µg/L	ND	ND	0.87	0.36	0.18	ND	0.32	0.13	ND	0.20	ND	ND
Phenanthrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	ND	0.099	ND	ND	ND	ND	0.61 J
Inorganics														
Cyanide, Total	200	µg/L	**250**	**310**	160	**270**	150	200	**310**	170	110	**310**	130	160

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-12R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/24/14	10/18/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23	04/24/24	10/23/24
BTEX														
Benzene	1	µg/L	**2,600**	**2,900**	**1,420**	**2,440**	**2,470**	**2,520**	**2,320**	**1,920**	**1,650**	**1,650**	**2,300**	**2,200**
Ethylbenzene	5	µg/L	**130**	**110**	**67.6**	**86.7**	**87.3**	**104**	**103**	**98.2**	**73.8**	**80.8**	**83**	**80**
Toluene	5	µg/L	**7.4**	**15**	**5.8**	**13.8**	**16.1**	**13.2**	**15.7**	**11.4**	**10.0**	**9.4**	ND	ND
Total Xylenes	5	µg/L	**49**	**83**	**27.8**	**58.1**	**70.0**	**72.4**	**75.6**	**66.8**	**53.8**	**52.8**	**30 J**	**30 J**
SVOCs														
Acenaphthene	20	µg/L	3.4	4	**104**	1.2	**1.4**	1.8	**1.5**	1.5	1.0	1.1	1.7 J	ND
Acenaphthylene	- -	µg/L	4.8	7	1.9	1.5	2.9	3.0	3.2	3.0	2.1	2.2	2.6 J	2.3 J
Anthracene	50	µg/L	ND	ND	ND	0.098	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.0	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	µg/L	ND	0.3 J	0.24	0.20	0.20	ND	0.20	0.21	0.15	0.15	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Naphthalene	10	µg/L	**31**	**92**	6.1	**19.7**	**52.7**	**39.5**	**66.2**	**34.6**	**33.2**	**18.3**	**25**	**15 J**
Phenanthrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics														
Cyanide, Total	200	µg/L	190	37	62	33	29	40	25	34	28	26	19	16

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-14R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/25/14	10/18/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23	10/23/24
BTEX													
Benzene	1	µg/L	**3.0**	**48**	1.0	ND	**1.6**	**1.8**	**2.8**	**1.4**	**9.1**	**1.6**	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs													
Acenaphthene	20	µg/L	ND	ND	0.12	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	ND	ND	0.14	ND	ND	0.12	ND	ND	ND	ND	-
Naphthalene	10	µg/L	ND	ND	0.96	ND	ND	0.99	0.18	ND	0.29	0.20	ND
Phenanthrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics													
Cyanide, Total	200	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-15

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/24/14	10/19/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23	04/24/24	10/23/24
BTEX														
Benzene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
SVOCs														
Acenaphthene	20	µg/L	ND	ND	0.15	ND	ND	ND	ND	NA	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	0.18	ND	ND	ND	ND	NA	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	0.12	ND	ND	ND	ND	NA	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	**0.28**	ND	ND	ND	ND	NA	**0.17**	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	**0.2 J**	**0.27**	ND	ND	ND	ND	NA	**0.19**	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	**0.2 J**	**0.29**	ND	ND	ND	ND	NA	**0.27**	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	0.2 J	0.13	ND	ND	ND	ND	NA	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	**0.11**	ND	ND	ND	ND	NA	**0.21**	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	**0.19**	ND	ND	ND	ND	NA	**0.14**	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	0.2 J	ND	ND	ND	ND	ND	NA	0.098	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	0.45	ND	ND	0.11	ND	NA	0.22	ND	ND	ND
Fluorene	50	µg/L	ND	0.3 J	0.13	ND	ND	ND	ND	NA	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	**0.12**	ND	ND	ND	ND	NA	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	ND	ND	0.2	ND	ND	ND	ND	NA	ND	ND	-	-
Naphthalene	10	µg/L	ND	ND	1.0	0.27	ND	ND	ND	NA	ND	0.32	ND	ND
Phenanthrene	50	µg/L	ND	0.1 J	0.28	ND	ND	ND	ND	NA	ND	ND	ND	ND
Pyrene	50	µg/L	0.35 J	0.3 J	0.4	ND	ND	ND	ND	NA	0.20	ND	ND	ND
Inorganics														
Cyanide, Total	200	µg/L	ND	ND	15	ND	ND	ND	ND	NA	ND	ND	ND	ND

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

NA = Not Available

Table 2

Groundwater Analytical Data

MW-15RS

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/22/14	10/19/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23	04/24/24	10/23/24
BTEX														
Benzene	1	µg/L	**750**	**170**	**4.8**	**9.7**	**49.6**	**79.0**	**57.9**	**26.1**	**97.0**	**3.1**	0.95 J	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	µg/L	0.54 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs														
Acenaphthene	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	ND	ND	0.14	ND	ND	ND	ND	ND	ND	ND	-	-
Naphthalene	10	µg/L	ND	ND	0.85	0.52	0.14	ND	0.18	0.18	ND	ND	ND	ND
Phenanthrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics														
Cyanide, Total	200	µg/L	160	64	67	41	51	54	68	67	56	60	59	47

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-17R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/25/14	10/18/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23	10/23/24
BTEX													
Benzene	1	µg/L	ND	ND	ND	ND	**1.7**	**2.9**	**2.6**	ND	**1.7**	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs													
Acenaphthene	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND	0.30	ND	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND	ND	0.13	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	**0.18**	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND	ND	**0.11**	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	**0.17**	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	**0.14**	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	**0.11**	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	0.28	ND	ND	ND	ND	ND
Fluorene	50	µg/L	ND	ND	ND	ND	ND	0.21	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	ND	ND	ND	ND	ND	0.35	ND	ND	ND	ND	-
Naphthalene	10	µg/L	ND	ND	0.13	0.37	0.21	1.9	0.17	0.13	0.19	ND	ND
Phenanthrene	50	µg/L	ND	ND	ND	ND	ND	0.44	ND	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	0.23	ND	ND	ND	ND	ND
Inorganics													
Cyanide, Total	200	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-19R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/25/14	10/18/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23	10/23/24
BTEX													
Benzene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs													
Acenaphthene	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
Naphthalene	10	µg/L	ND	ND	0.30	0.12	ND	ND	0.14	ND	0.12	ND	ND
Phenanthrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics													
Cyanide, Total	200	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-20R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/25/14	10/18/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23	04/24/24	10/23/24
BTEX														
Benzene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs														
Acenaphthene	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	ND	ND	0.14	ND	ND	ND	ND	ND	ND	ND	-	-
Naphthalene	10	µg/L	ND	ND	0.89	0.21	ND	0.21	ND	ND	ND	ND	ND	ND
Phenanthrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics														
Cyanide, Total	200	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Appendix A – Field Inspection Reports

Site Management Plan Inspection Form
Ogdensburg (King Street)
Non-Owned Former MGP Site
Ogdensburg, New York
NYSDEC Site No. V00479

Date: 10/23/2024 Time: 7:45
Technician: KL Weather: Cloudy 60

Site Wide			
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:

Site Wide - SLG Responsible to Maintain			
Perimeter Fence and Gates intact?	YES	NO	COMMENTS:
Have the lawns been mowed?	YES	NO	COMMENTS:

Soil Cover System			
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:
Any surface erosion?	YES	NO	COMMENTS:
Any settlement?	YES	NO	COMMENTS:
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:

NG Owned Property on Lake Street - Not part of the SMP				
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO	COMMENTS:
Have the lawns been mowed?	YES		NO	COMMENTS:
Conditon of the sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Condition of the site trees?	GOOD	FAIR	POOR	COMMENTS:
Are the boulders in place?	YES		NO	COMMENTS:

Miscellaneous				
Evidence of Trespassing	YES		NO	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-2(R)	YES	NO
MW-5R(R)	YES	NO
MW-8R	YES	NO
MW-9	YES	NO
MW-10R	YES	NO
MW-11	YES	NO
MW-12R	YES	NO
MW-14R	YES	NO
MW-15	YES	NO
MW-15RS	YES	NO
MW-17R	YES	NO
MW-19R	YES	NO
MW-20R	YES	NO

General Comments:

Site Management Plan Inspection Form
Ogdensburg (King Street)
Non-Owned Former MGP Site
Ogdensburg, New York
NYSDEC Site No. V00479

Date: 7/31/2024 Time: 09:00
Technician: Kevin Leo Weather: Rain 73

Site Wide		
Any repairs, maintenace or corrective actions since the last inspection?	No	COMMENTS:
Are the requirements of the Site Management Plan being met?	Yes	COMMENTS:
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	No	COMMENTS:

Site Wide - SLG Responsible to Maintain		
Perimeter Fence and Gates intact?	Yes	COMMENTS:
Have the lawns been mowed?	Yes	COMMENTS:

Soil Cover System		
Any signs of ground-intrusive activities?	No	COMMENTS:
Any soil disturbance regardless of quantity/extent?	No	COMMENTS:
Any surface erosion?	No	COMMENTS:
Any settlement?	No	COMMENTS:
Bare or sparsely-vegetated areas?	No	COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	No	COMMENTS:

NG Owned Property on Lake Street - Not part of the SMP		
Any repairs, maintenace or corrective actions since the last inspection?	No	COMMENTS:
Have the lawns been mowed?	Yes	COMMENTS:
Conditon of the sidewalks?	Good	COMMENTS:
Condition of the site trees?	Good	COMMENTS:
Are the boulders in place?	Yes	COMMENTS:

Miscellaneous		
Evidence of Trespassing	No	COMMENTS:
Litter	None	COMMENTS:

Site Monitoring Wells	
Well ID.	***Location Secure***
MW-2(R)	Yes
MW-5R(R)	Yes
MW-8R	Yes
MW-9	Yes
MW-10R	Yes
MW-11	Yes
MW-12R	Yes
MW-14R	Yes
MW-15	Yes
MW-15RS	Yes
MW-17R	Yes
MW-19R	Yes
MW-20R	Yes

General Comments:
MW-19R which was under the pump was located and in good condition.

Site Management Plan Inspection Form
Ogdensburg (King Street)
Non-Owned Former MGP Site
Ogdensburg, New York
NYSDEC Site No. V00479

Date: 4/24/2024 Time: 13:11
Technician: Kevin Leo Weather: PC 35

Site Wide		
Any repairs, maintenace or corrective actions since the last inspection?	No	COMMENTS:
Are the requirements of the Site Management Plan being met?	Yes	COMMENTS:
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	No	COMMENTS:

Site Wide - SLG Responsible to Maintain		
Perimeter Fence and Gates intact?	Yes	COMMENTS:
Have the lawns been mowed?	No	COMMENTS:

Soil Cover System		
Any signs of ground-intrusive activities?	No	COMMENTS:
Any soil disturbance regardless of quantity/extent?	No	COMMENTS:
Any surface erosion?	No	COMMENTS:
Any settlement?	No	COMMENTS:
Bare or sparsely-vegetated areas?	No	COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	No	COMMENTS:

NG Owned Property on Lake Street - Not part of the SMP		
Any repairs, maintenace or corrective actions since the last inspection?	No	COMMENTS:
Have the lawns been mowed?	No	COMMENTS:
Conditon of the sidewalks?	Good	COMMENTS:
Condition of the site trees?	Good	COMMENTS:
Are the boulders in place?	Yes	COMMENTS:

Miscellaneous		
Evidence of Trespassing	No	COMMENTS:
Litter	None	COMMENTS:

Site Monitoring Wells	
Well ID.	***Location Secure***
MW-2(R)	Yes
MW-5R(R)	Yes
MW-8R	Yes
MW-9	Yes
MW-10R	Yes
MW-11	Yes
MW-12R	Yes
MW-14R	Yes
MW-15	Yes
MW-15RS	Yes
MW-17R	Yes
MW-19R	Yes, No
MW-20R	Yes

General Comments:
Cheese factory under demolition, pump station area by MW-19R under construction. Pump station contact Joe Hays 315-681-1898. Cheese factory contact George Young's 315-360-2830 Bronco Contracting LLC. Unable to sample MW-9, MW-14R, MW-17R AND MW-19R ALL IN FENCED IN CONSTRUCTION ZONE.

Site Management Plan Inspection Form
Ogdensburg (King Street)
Non-Owned Former MGP Site
Ogdensburg, New York
NYSDEC Site No. V00479

Date: 1/25/2024 Time: 09:30
Technician: Kevin Leo Weather: Cloudy 30

Site Wide		
Any repairs, maintenace or corrective actions since the last inspection?	No	COMMENTS:
Are the requirements of the Site Management Plan being met?	Yes	COMMENTS:
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	No	COMMENTS:

Site Wide - SLG Responsible to Maintain		
Perimeter Fence and Gates intact?	Yes	COMMENTS:
Have the lawns been mowed?	No	COMMENTS:

Soil Cover System		
Any signs of ground-intrusive activities?	No	COMMENTS:
Any soil disturbance regardless of quantity/extent?	No	COMMENTS:
Any surface erosion?	No	COMMENTS:
Any settlement?	No	COMMENTS:
Bare or sparsely-vegetated areas?	No	COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	No	COMMENTS:

NG Owned Property on Lake Street - Not part of the SMP		
Any repairs, maintenace or corrective actions since the last inspection?	No	COMMENTS:
Have the lawns been mowed?	No	COMMENTS:
Conditon of the sidewalks?	Good	COMMENTS:
Condition of the site trees?	Good	COMMENTS:
Are the boulders in place?	Yes	COMMENTS:

Miscellaneous		
Evidence of Trespassing	No	COMMENTS:
Litter	None	COMMENTS:

Site Monitoring Wells	
Well ID.	***Location Secure***
MW-2(R)	Yes
MW-5R(R)	Yes
MW-8R	Yes
MW-9	Yes
MW-10R	Yes
MW-11	Yes
MW-12R	Yes
MW-14R	Yes
MW-15	Yes
MW-15RS	Yes
MW-17R	Yes
MW-19R	Yes
MW-20R	Yes

General Comments:
Excavation and upgrades being done to sewer plant north end of site

Appendix B – Well Sampling Field Data

National Grid ***Semi-Annual Groundwater Sampling Event***
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Well ID	Sample?	Well Size	DTW	DTP	DTB	Comments
MW-2(R)	Yes	2"	1.30		6.35	
MW-5R(R)	Yes	2"	0.00		24.30	
MW-8R	Yes	2"	1.24		20.92	MS/MSD
MW-9	Yes	2"	NS		6.35	In contruction zone unable to sample
MW-10R	Yes	2"	0.00		22.50	Field Duplicate
MW-11	Yes	2"	2.59		6.51	
MW-12R	Yes	2"	5.79		21.40	
MW-14R	Yes	2"	NS		50.80	In contruction zone unable to sample
MW-15	Yes	2"	7.23		9.04	
MW-15RS	Yes	1"	7.55		23.65	
MW-17R	Yes	2"	NS		26.90	In contruction zone unable to sample
MW-19R	Yes	2"	NS		38.05	In contruction zone unable to sample
MW-20R	Yes	2"	0.10		28.40	

DTW *-depth to water*

DTP *-depth to product*

DTB *-depth to bottom*

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel:	G. Ernst	Date:	4/24/2024
Job Number:	0603400-136690-221	Weather:	cloudy, windy, 40's
Well Id.	**MW-2(R)**	Time In: 12:30	Time Out: 13:45

Well Information

		TOC	Other
Depth to Water:	(feet)	1.3	
Depth to Bottom:	(feet)	6.35	
Depth to Product:	(feet)	na	
Length of Water Column:	(feet)	5.05	
Volume of Water in Well:	(gal)	0.81	
Three Well Volumes:	(gal)	2.42	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate:	(ml/min)	200				
Duration of Pumping:	(min)	30				
Total Volume Removed:	(gal)	2				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (˚C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
12:50	3.34	8.63	7.15	-199	0.567	9.2	0.62	0.363
12:55	3.64	8.71	7.25	-206	0.552	9.4	0.92	0.353
13:00	3.67	8.74	7.46	-220	0.52	7.7	1.01	0.332
13:05	4.52	8.95	8.21	-249	0.486	1	0.71	0.316
13:10	5.11	8.9	8.69	-258	0.437	1.3	1.13	0.282
13:15	5.67	8.86	9.35	-257	0.391	1.7	3.92	0.253
13:20	6.06	8.94	9.62	-254	0.372	2	3.42	0.245

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2- 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-2(R)** Duplicate? Yes [ ] No [X]
Sample Time: 13:25 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: Peter Lyon
Date: 4/24/2024
Job Number: 0603400-136690-221
Weather: Overcast 36
Well Id. **MW-5R(R)**
Time In: 1248 Time Out: 1325

Well Information

		TOC	Other
Depth to Water:	(feet)	0	
Depth to Bottom:	(feet)	24.30	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	24.3	
Volume of Water in Well:	(gal)	3.88	
Three Well Volumes:	(gal)	11.66	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2	Did well go dry?	Yes [ ]	No [x]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (˚C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1250	0	9.04	7.94	-271	0.675	9.7	4.87	0.431
1255	1.78	9.03	8.39	-284	0.658	8.1	0.61	0.421
1300	2.79	9.12	8.38	-287	0.653	8	0	0.418
1305	3.56	9.71	8.45	-290	0.649	8.4	0	0.415
1310	4.53	9.91	8.5	-292	0.653	10.8	0	0.418
1315	4.89	9.8	8.48	-294	0.655	10.6	0	0.419
1320	5.62	9.69	8.57	-295	0.656	8.1	0	0.42

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2- 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-5R(R)** Duplicate? Yes [ ] No [X]
Sample Time: 1320 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:
Water level above top of casing.

Laboratory: Eurofins Amherst, NY

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel:	Peter Lyon	Date:	4/24/2024
Job Number:	0603400-136690-221	Weather:	Overcast 36
Well Id.	**MW-8R**	Time In: 1147	Time Out: 1225

Well Information

		TOC	Other
Depth to Water:	(feet)	1.24	
Depth to Bottom:	(feet)	20.92	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	19.68	
Volume of Water in Well:	(gal)	3.14	
Three Well Volumes:	(gal)	9.44	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]		Grundfos Pump [ ]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]		Polyethylene [X]	
Sampling Method:		Bailer [ ]	Peristaltic [X]		Grundfos Pump [ ]	
Average Pumping Rate:	(ml/min)	200				
Duration of Pumping:	(min)	30				
Total Volume Removed:	(gal)	2				

Did well go dry? Yes [ ] No [x]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (˚C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1150	1.94	9.1	8.58	-154	0.609	3.3	3.61	0.39
1155	3.01	9.42	7.69	-206	0.625	2.9	0.61	0.401
1200	3.95	9.59	7.55	-240	0.63	3.4	0	0.403
1205	4.64	9.64	7.59	-259	0.631	4.9	0	0.404
1210	4.83	9.65	7.65	-267	0.631	5.7	0	0.404
1215	5.02	9.7	7.78	-273	0.633	5.4	0	0.405
1220	5.21	9.79	7.99	-279	0.635	5.7	0	0.406

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	6- 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	9 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	3 - 125 ml plastic	Yes [X] No [ ]

MW-8R-MS **MW-8R-MSD**

Sample ID: **MW-8R** Duplicate? Yes [ ] No [X]
Sample Time: 1220 MS/MSD? Yes [X] No [ ]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel:	Peter Lyon	Date:	4/24/2024
Job Number:	0603400-136690-221	Weather:	Light snow rain 36
Well Id.	**MW-10R**	Time In: 1048	Time Out: 1130

Well Information

		TOC	Other
Depth to Water:	(feet)	0	
Depth to Bottom:	(feet)	22.50	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	22.5	
Volume of Water in Well:	(gal)	3.6	
Three Well Volumes:	(gal)	10.8	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate:	(ml/min)	200				
Duration of Pumping:	(min)	30				
Total Volume Removed:	(gal)	2				

Did well go dry? Yes [ ] No [x]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (˚C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1055	0.26	9.15	9.94	-202	0.47	6.7	8.09	0.306
1100	0.95	8.86	10.21	-252	0.415	4.5	0.91	0.269
1105	1.39	8.84	10.23	-260	0.404	4.1	0.27	0.262
1110	1.91	8.85	10.12	-260	0.399	3.4	0	0.259
1115	2.2	8.83	10.08	-261	0.402	3.3	0	0.261
1120	2.55	8.84	10.05	-262	0.405	3.2	0	0.264
1125	2.82	8.83	10.04	-265	0.408	2.9	0	0.265

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	4- 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	6 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	2 - 125 ml plastic	Yes [X] No [ ]

Field Duplicate

Sample ID: **MW-10R** Duplicate? Yes [X] No [ ]
Sample Time: 1125 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, NY

Comments/Notes:

Water level higher than top of Casing.

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel:	G. Ernst	Date:	4/24/2024
Job Number:	0603400-136690-221	Weather:	cloudy, windy, 40's
Well Id.	**MW-11**	Time In: 11:35	Time Out: 12:30

Well Information

		TOC	Other
Depth to Water:	(feet)	2.59	
Depth to Bottom:	(feet)	6.51	
Depth to Product:	(feet)	na	
Length of Water Column:	(feet)	3.92	
Volume of Water in Well:	(gal)	0.63	
Three Well Volumes:	(gal)	1.88	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate:	(ml/min)	200				
Duration of Pumping:	(min)	30				
Total Volume Removed:	(gal)	2				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (˚C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
11:50	2.69	7.99	7.1	-188	1.14	85.3	1.06	0.733
11:55	2.72	8.02	6.68	-198	1.18	28.9	0.55	0.755
12:00	2.73	8	6.56	-204	1.19	14.3	0.51	0.763
12:05	2.73	8.02	6.48	-209	1.21	4.5	0.47	0.775
12:10	2.73	7.99	6.44	-211	1.22	2.1	0.46	0.783
12:15	2.73	7.96	6.42	-212	1.23	2.3	0.44	0.788
12:20	2.73	8.04	6.41	-212	1.24	4	0.43	0.795

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2- 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-11** Duplicate? Yes [ ] No [X]
Sample Time: 12:25 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel:	G. Ernst	Date:	4/24/2024
Job Number:	0603400-136690-221	Weather:	snow, wind, 35
Well Id.	**MW-12R**	Time In: 10:30	Time Out: 11:35

Well Information

		TOC	Other
Depth to Water:	(feet)	5.79	
Depth to Bottom:	(feet)	21.40	
Depth to Product:	(feet)	na	
Length of Water Column:	(feet)	15.61	
Volume of Water in Well:	(gal)	2.5	
Three Well Volumes:	(gal)	7.49	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate:	(ml/min)	200				
Duration of Pumping:	(min)	30				
Total Volume Removed:	(gal)	2				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (˚C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
10:55	7.88	9.29	7.17	-261	0.695	1.7	0.97	0.444
11:00	9.34	9.16	7.12	-285	0.695	1.6	0.73	0.445
11:05	10.33	9.07	7.12	-296	0.694	1.8	0.63	0.444
11:10	11.1	8.99	7.13	-303	0.693	2.9	0.61	0.443
11:15	11.93	9.01	7.13	-308	0.688	2.9	0.61	0.44
11:20	12.65	9.05	7.12	-310	0.684	5.7	0.63	0.438
11:25	13.19	9.01	7.1	-312	0.683	9.4	0.65	0.437

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2- 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-12R** Duplicate? Yes [ ] No [X]
Sample Time: 11:30 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel:	KL	Date:	4/24/2024
Job Number:	0603400-136690-221	Weather:	PC 35
Well Id.	**MW-15**	Time In: 1330	Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	7.23	
Depth to Bottom:	(feet)	9.04	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	1.81	
Volume of Water in Well:	(gal)	0.289	
Three Well Volumes:	(gal)	0.868	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate:	(ml/min)	200				
Duration of Pumping:	(min)	30				
Total Volume Removed:	(gal)	2				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (˚C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1330	7.3	11.09	7.11	-298	1.15	940	3.99	0.692
1335	7.44	10.19	6.95	-243	0.957	415	3.9	0.608
1340	7.68	9.91	6.93	-217	0.929	47	3.82	0.591
1345	7.75	10.22	6.93	-213	0.915	32.5	3.76	0.587
1350	7.9	10.01	6.95	-211	0.925	9.3	3.83	0.569
1355	8.07	10.9	6.95	-211	0.93	6.7	3.8	0.597
1400	8.17	10.49	6.95	-210	0.923	3	4.04	0.58

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2- 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-15** Duplicate? Yes [ ] No [X]
Sample Time: 1400 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel:	KL	Date:	4/24/2024
Job Number:	0603400-136690-221	Weather:	PC 35
Well Id.	**MW-15RS**	Time In: 1240	Time Out: 1320

Well Information

		TOC	Other
Depth to Water:	(feet)	7.55	
Depth to Bottom:	(feet)	23.65	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	16.1	
Volume of Water in Well:	(gal)	0.64	
Three Well Volumes:	(gal)	1.93	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [X] 2" [ ] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate:	(ml/min)	200				
Duration of Pumping:	(min)	30				
Total Volume Removed:	(gal)	2				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (˚C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1245	NC	10.44	7.36	-114	1.08	13.7	7.64	0.71
1250	NC	9.95	7.3	-263	1.27	5.2	6.31	0.811
1255	NC	9.91	7.29	-287	1.27	9.2	5.61	0.811
1300	NC	9.99	7.2	-305	1.27	12.5	4.41	0.81
1305	NC	10.16	7.19	-313	1.26	12	4.11	0.809
1310	NC	10.23	7.21	-326	1.28	5.3	3.48	0.82
1315	17.31	10.23	7.23	-329	1.31	2.6	3.11	0.836

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2- 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-15RS** Duplicate? Yes [ ] No [X]
Sample Time: 13.15 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes: 1" well no liquid level available during sampling.

Laboratory: Eurofins Amherst, NY

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: KL
Date: 4/24/2024
Job Number: 0603400-136690-221
Weather: Rain/Snow
Well Id. **MW-20R**
Time In: 1115 Time Out: 1215

Well Information

		TOC	Other
Depth to Water:	(feet)	0.1	
Depth to Bottom:	(feet)	28.40	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	28.3	
Volume of Water in Well:	(gal)	4.52	
Three Well Volumes:	(gal)	13.58	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2	Did well go dry?	Yes [ ]	No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (˚C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1135	1.6	9.56	7.97	-135	0.636	4.6	0.15	0.407
1140	3.06	9.76	7.7	-126	0.633	14	0.07	0.405
1145	4.5	9.9	7.63	-121	632	8.6	0.04	0.404
1150	6.32	10	7.6	-119	0.631	3.2	0.03	0.404
1155	7.92	9.99	7.59	-118	0.631	4	0	0.404
1200	9.3	9.93	7.58	-117	0.63	8.7	0	0.403
1205	10.08	9.8	7.59	-116	0.63	9	0	0.403

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2- 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-20R** Duplicate? Yes [ ] No [X]
Sample Time: 1205 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins Environment Testing

Client Information

Client Contact: Tim Beaumont	Sampler: Greg Ernst	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-192898-40378.1
Company: Groundwater & Environmental Services Inc	Phone:	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Address: 6780 Northern Boulevard Suite 100	PWSID:	Due Date Requested:		Job #:
City: East Syracuse		TAT Requested (days): Standard		
State, Zip: NY, 13057		Compliance Project: Δ Yes Δ No		
Phone:		PO #: 0603400-136690-221-1106		
Email: tbeaumont@gesonline.com		WO #:		
Project Name: Ogdensburg Semi-Annual GW Event Desc: Ogdensburg Semi-A		Project #: 48027231		
Site: Ogdensburg Semi-Annual GWS		SSOW#:		

Analysis Requested

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)	9012B_NP - Cyanide, Total	8270D - PAH Semivolatiles	8260C - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				B	N	A		
MW-2(R)	4/24/24	13:25	G	Water			1	2	3	6	
MW-5R(R)		13:20	G	Water			1	2	3	6	
MW-8R		12:20	G	Water			1	2	3	6	
MW-8R-MS		12:20	G	Water			1	2	3	6	
MW-8R-MSD		12:20	G	Water			1	2	3	6	
~~MW-9~~			G	Water			1	2	3	6	
MW-10R		11:25	G	Water			1	2	3	6	
MW-11		12:25	G	Water			1	2	3	6	
MW-12R		12:30	G	Water			1	2	3	6	
~~MW-14R~~			G	Water			1	2	3	6	
MW-15		14:00	G	Water			1	2	3	6	

Preservation Codes:

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

Other:

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) CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by:	Date/Time: 4/24/24 1645	Company GES	Received by:	Date/Time: 4/24/24 1645	Company ES SVL
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:

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

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler: Greg Ernst	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-192898-40378.2
Client Contact: Tim Beaumont	Phone:	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: Groundwater & Environmental Services Inc	PWSID:			Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			
City: East Syracuse	TAT Requested (days): Standard			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0603400-136690-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Ogdensburg Semi-Annual GW Event Desc: Ogdensburg Semi-A	Project #: 48027231			
Site: Ogdensburg Semi-Annual GWS	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9012B_NP - Cyanide, Total	8270D - PAH Semivolatiles	8260C - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				B	N	A		
MW-15RS	4/24/24	13:15	G	Water			1	2	3	6	
~~MW-17R~~			G	Water			1	2	3	6	
~~MW-19R~~			G	Water			1	2	3	6	
MW-20R	4/24/24	12:05	G	Water			1	2	3	6	
Field Duplicate			G	Water			1	2	3	6	
Trip Blank	4/24/24	13:25		Water					2	2	

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) CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 4/24/24 1645	Company GES	Received by: Date/Time: 4/24/24 1645 Company ES-SYR
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:

Ver: 01/16/2019

Well ID	Sample?	Well Size	DTW	DTP	DTB	Comments
MW-2(R)	Yes	2"	4.07		6.35	
MW-5R(R)	Yes	2"	4.17		24.30	
MW-8R	Yes	2"	2.80		20.92	MS/MSD
MW-9	Yes	2"	5.37		6.35	
MW-10R	Yes	2"	0.50		22.50	Field Duplicate
MW-11	Yes	2"	4.16		6.51	
MW-12R	Yes	2"	9.24		21.40	
MW-14R	Yes	2"	0.40		50.80	
MW-15	Yes	2"	8.02		9.04	
MW-15RS	Yes	1"	8.16		23.65	
MW-17R	Yes	2"	8.89		26.90	
MW-19R	Yes	2"	4.78		38.05	
MW-20R	Yes	2"	0.00		28.40	

DTW *-depth to water*

DTP *-depth to product*

DTB *-depth to bottom*

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: Peter Lyon
Job Number: 0603400-136690-221
Well Id. **MW-2(R)**

Date: 10/23/24
Weather: 60° cloudy
Time In: 1021 Time Out: 1100

Well Information

		TOC	Other
Depth to Water:	(feet)	4.07	
Depth to Bottom:	(feet)	6.35	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	2.28	
Volume of Water in Well:	(gal)	0.34	
Three Well Volumes:	(gal)	1.09	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	

Average Pumping Rate:	(ml/min)	200
Duration of Pumping:	(min)	30
Total Volume Removed:	(gal)	2

Did well go dry? Yes [X] No [ ]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1025	4.76	16.68	7.31	-216	0.543	57.9	1.29	0.347
1030	5.76	16.75	7.78	-249	0.496	28.5	1.50	0.322
1035	6.08	16.97	7.98	-246	0.497	27.4	1.82	0.320
1040	6.27	17.4	8.15	-257	0.476	17	0.92	0.296
~~1045~~								
~~1050~~								
~~1055~~								

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2- 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-2(R)** Duplicate? Yes [ ] No [X]
Sample Time: 1040 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes: Sampled early well going dry

Laboratory: Eurofins Amherst, NY

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: Peter Lyon
Job Number: 0603400-136690-221
Well Id. **MW-5R(R)**

Date: 10/23/24
Weather: 60° Cloudy
Time In: 1110 Time Out: 1150

Well Information

		TOC	Other
Depth to Water:	(feet)	4.17	
Depth to Bottom:	(feet)	24.30	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	20.13	
Volume of Water in Well:	(gal)	3.22	
Three Well Volumes:	(gal)	9.66	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	0	Did well go dry?	Yes [ ]	No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1115	4.70	19.36	8.79	-162	0.546	5.9	2.27	0.364
1120	5.35	19.77	8.33	-268	0.829	0.0	0.31	0.533
1125	5.84	18.17	8.24	-288	0.878	0.0	0.13	0.560
1130	6.14	18.35	8.20	-300	0.894	0.0	0.38	0.573
1135	6.36	18.39	8.19	-304	0.902	0.0	0.43	0.577
1140	6.63	18.28	8.18	-308	0.898	0.0	0.49	0.575
1145	6.81	12.98	8.18	-311	0.905	0.0	0.53	0.575

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2- 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-5R(R)** Duplicate? Yes [ ] No [X]
Sample Time: 1145 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: Peter Lyon
Job Number: 0603400-136690-221
Well Id. **MW-8R**

Date: 10/23/24
Weather: Cloudy 65°
Time In: 1240 Time Out: 1325

Well Information

		TOC	Other
Depth to Water:	(feet)	2.80	
Depth to Bottom:	(feet)	20.92	20.20
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	18.12	
Volume of Water in Well:	(gal)	2.89	
Three Well Volumes:	(gal)	8.69	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2	Did well go dry?	Yes [ ]	No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1250	3.68	18.92	7.53	-254	0.717	16.4	2.03	0.458
1255	4.92	18.34	7.57	-289	0.722	14.5	0.00	0.462
1300	6.14	18.26	7.53	-303	0.720	16.9	0.00	0.461
1305	6.73	18.38	7.52	-308	0.716	16.7	0.00	0.458
1310	7.39	18.41	7.51	-310	0.716	15.3	0.00	0.459
1315	7.99	18.46	7.50	-313	0.714	19.1	0.00	0.457
1320	8.23	18.45	7.50	-315	0.712	19.2	0.00	0.455

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	6- 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	9 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	3 - 125 ml plastic	Yes [X] No [ ]

MW-8R-MS **MW-8R-MSD**

Sample ID: **MW-8R** Duplicate? Yes [ ] No [X]
Sample Time: 1320 MS/MSD? Yes [X] No [ ]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: VH
Job Number: 0603400-136690-221
Well Id. **MW-9**

Date: 10/23/21
Weather: Sunny 60s
Time In: ~~12:35~~ 13:10 Time Out: 13:30

Well Information

		TOC	Other
Depth to Water:	(feet)	5.37	
Depth to Bottom:	(feet)	6.35	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	0.98	
Volume of Water in Well:	(gal)	0.156	
Three Well Volumes:	(gal)	0.47	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate: (ml/min)	200			
Duration of Pumping: (min)	30			
Total Volume Removed: (gal)	2	Did well go dry?	Yes [X]	No [ ]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
13:15	5.80	19.77	9.17	-100	0.941	436	1.22	0.607
13:20	5.91	19.70	8.25	-94	0.964	335	0.00	0.639
13:25	5.99	19.64	7.66	-92	0.996	330	0.00	0.639

FAPH Sample

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2- 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-9** Duplicate? Yes [ ] No [X]
Sample Time: 13:25 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, NY

Comments/Notes:

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: KL
Job Number: 0603400-136690-221
Well Id. **MW-10R**

Date: 10/23/24
Weather: PC 60
Time In: 12:30 Time Out: 13:10

Well Information

		TOC	Other
Depth to Water:	(feet)	0.50	
Depth to Bottom:	(feet)	22.50	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	22	
Volume of Water in Well:	(gal)	3.52	
Three Well Volumes:	(gal)	10.56	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]			
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]			
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]			
Average Pumping Rate:	(ml/min)	200				
Duration of Pumping:	(min)	30				
Total Volume Removed:	(gal)	2	Did well go dry?	Yes [ ]	No [X]	

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
12:30	1.56	18.73	10.32	-252	0.294	298	0.36	0.191
12:35	2.20	18.21	10.67	-276	0.291	113	0.00	0.189
12:40	3.07	18.08	10.78	-289	0.291	37.0	0.00	0.189
12:45	3.50	18.19	10.80	-292	0.312	20.9	0.00	0.202
12:50	3.83	18.16	10.75	-286	0.339	14.4	0.00	0.221
12:55	4.03	18.19	10.93	-296	0.383	20.2	0.00	0.250
13:00	4.28	18.20	11.00	-299	0.400	27.3	0.00	0260

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's
EPA SW-846 Method 8260 VOC's BTEX
EPA SW-846 Method 9012 Total Cyanide

4- 250 ml ambers Yes [X] No [ ]
6 - 40 ml vials Yes [X] No [ ]
2 - 125 ml plastic Yes [X] No [ ]

Field Duplicate
Sample ID: **MW-10R** Duplicate? Yes [X] No [ ]
Sample Time: 13:40 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: Peter Lyon
Job Number: 0603400-136690-221
Well Id. **MW-11**

Date: 10/23/24
Weather: 60° Cloudy
Time In: 0933 Time Out: 1010

Well Information

		TOC	Other
Depth to Water:	(feet)	4.16	
Depth to Bottom:	(feet)	6.51	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	2.35	
Volume of Water in Well:	(gal)	0.37	
Three Well Volumes:	(gal)	1.12	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2	Did well go dry?	Yes [ ]	No [ ]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0935	4.40	15.92	2.48	-122	1.13	281	3.44	0.724
0940	4.40	16.24	2.05	-193	1.16	245	0.43	0.745
0945	4.40	15.91	6.93	-195	1.18	223	0.39	0.754
0950	4.40	16.08	6.87	-197	1.18	205	0.32	0.756
0955	4.40	15.56	6.84	-197	1.19	69.1	0.32	0.764
1000	4.40	15.45	6.82	-196	1.20	79.8	0.43	0.770
1005	4.40	15.38	6.81	-193	1.21	60.9	0.97	0.775

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2- 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-11** Duplicate? Yes [ ] No [X]
Sample Time: 1005 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: Peter Lyon
Job Number: 0603400-136690-221
Well Id. **MW-12R**

Date: 10/23/19
Weather: Cloudy 60°
Time In: 0840 Time Out: 0925

Well Information

		TOC	Other
Depth to Water:	(feet)	9.24	
Depth to Bottom:	(feet)	21.40	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	12.16	
Volume of Water in Well:	(gal)	1.94	
Three Well Volumes:	(gal)	5.83	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate:	(ml/min)	200				
Duration of Pumping:	(min)	30				
Total Volume Removed:	(gal)	2				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0850	10.18	17.29	8.00	-201	0.535	0.0	2.20	0.355
0855	10.95	16.58	7.80	-280	0.548	0.0	0.34	0.351
0900	11.69	16.13	7.74	-305	0.543	0.0	0.14	0.347
0905	12.27	16.02	7.74	-316	0.540	1.2	0.12	0.345
0910	13.14	15.93	7.72	-318	0.547	4.7	0.21	0.350
0915	13.50	15.84	7.71	-321	0.549	3.0	0.25	0.352
0920	14.20	15.83	7.71	-323	0.548	4.9	0.22	0.351

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2- 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-12R** Duplicate? Yes [ ] No [X]
Sample Time: 0920 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: KL
Job Number: 0603400-136690-221
Well Id. **MW-14R**

Date: 10/23/24
Weather: PC
Time In: 08:20 Time Out: 09:25

Well Information

		TOC	Other
Depth to Water:	(feet)	0.40	
Depth to Bottom:	(feet)	50.80	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	50.40	
Volume of Water in Well:	(gal)	8.06	
Three Well Volumes:	(gal)	24.19	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: [ ]
Well Diameter: 1" [ ] 2" [X] Other: [ ]
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate:	(ml/min)	300		
Duration of Pumping:	(min)	30		
Total Volume Removed:	(gal)	2	Did well go dry?	Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
08:45	0.80	16.55	8.69	-134	0.580	0.0	6.11	0.371
08:50	0.80	15.54	8.32	-133	0.569	0.0	2.21	0.364
08:55	0.80	14.93	8.13	-141	0.567	2.2	0.60	0.363
09:00	0.88	14.57	8.03	-150	0.586	4.5	0.02	0.376
09:05	0.80	14.42	7.98	-159	0.597	4.2	0.00	0.382
09:10	0.80	14.35	7.95	-166	0.607	2.1	0.00	0.387
09:15	0.80	14.41	7.94	-167	0.607	1.7	0.00	0.386

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2- 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-14R** Duplicate? Yes [ ] No [X]
Sample Time: 09:15 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, NY

Comments/Notes:

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: TK
Job Number: 0603400-136690-221
Well Id. **MW-15**

Date: 10/23/24
Weather: Cloudy Cold
Time In: 11:50 Time Out: 12:30

Well Information

		TOC	Other
Depth to Water:	(feet)	8.02	
Depth to Bottom:	(feet)	9.04	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	1.02	
Volume of Water in Well:	(gal)	0.16	
Three Well Volumes:	(gal)	0.48	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2	Did well go dry?	Yes [ ]	No [ ]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
11:55	8.08	20.22	7.92	-168	0.801	1000	9.71	0.568
12:00	8.24	20.07	7.40	-141	0.854	1000	8.53	0.533
12:05	8.38	19.98	7.25	-136	0.828	552	7.60	0.529
12:10	8.45	19.92	7.22	-135	0.822	405	7.22	0.526
12:15	8.50	19.88	7.21	-134	0.823	344	6.92	0.527
12:20	8.57	19.85	7.20	-134	0.824	259	6.75	0.528
12:25	8.66	19.84	7.19	-134	0.825	180	6.70	0.528

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2- 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-15** Duplicate? Yes [ ] No [X]
Sample Time: 12:25 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: JL
Job Number: 0603400-136690-221
Well Id. **MW-15RS**

Date: 10/23/20
Weather: Cloudy 60
Time In: 11:10 Time Out: 11:51

Well Information

		TOC	Other
Depth to Water:	(feet)	8.16	
Depth to Bottom:	(feet)	23.65	
Depth to Product:	(feet)	~~15.49~~	ND
Length of Water Column:	(feet)	0.61	
Volume of Water in Well:	(gal)	1.85	
Three Well Volumes:	(gal)		

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [X] 2" [ ] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate:	(ml/min)	200				
Duration of Pumping:	(min)	30				
Total Volume Removed:	(gal)	2	Did well go dry?	Yes [ ]	No [ ]	

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
11:15		19.09	7.95	-112	1.08	18.0	9.89	0.696
11:20		19.06	7.67	-164	1.10	18.9	9.21	0.704
11:25		18.97	7.57	-217	1.13	17.9	5.58	0.722
11:30		18.17	7.54	-234	1.24	14.6	4.01	0.797
11:35		17.73	7.55	-247	1.27	13.4	3.80	0.809
11:40		17.67	7.55	-245	1.27	14.0	3.66	0.813
11:45	15.60	17.58	7.55	-247	1.27	13.6	3.60	0.811

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2- 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-15RS** Duplicate? Yes [ ] No [X]
Sample Time: 11:45 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: Peter Lyon
Job Number: 0603400-136690-221
Well Id. **MW-17R**

Date: 10/23/24
Weather: overcast 60°
Time In: 1157 Time Out: 1235

Well Information

		TOC	Other
Depth to Water:	(feet)	8.89	
Depth to Bottom:	(feet)	26.90	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	18.01	
Volume of Water in Well:	(gal)	2.88	
Three Well Volumes:	(gal)	8.64	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	2	Did well go dry?	Yes [ ]	No [X]	

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1200	9.42	18.17	2.86	-234	0.750	0.0	2.73	0.480
1205	10.17	12.57	2.50	-286	0.747	0.0	0.06	0.478
1210	10.56	12.36	2.45	-291	0.744	0.00	0.00	0.476
1215	10.80	12.20	2.42	-293	0.739	0.0	0.00	0.473
1220	11.00	12.15	2.40	-295	0.737	0.0	0.00	0.471
1225	11.14	12.14	2.39	-296	0.732	0.1	0.00	0.468
1230	11.24	12.17	2.38	-296	0.727	0.0	0.00	0.465

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2- 250 ml ambers	Yes [X]	No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X]	No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X]	No [ ]

Sample ID: **MW-17R** Duplicate? Yes [ ] No [X]
Sample Time: 1230 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: K
Date: 10/23/12
Job Number: 0603400-136690-221
Weather: Cloudy 60
Well Id. **MW-19R**
Time In: 10:10 Time Out: 10:55

Well Information

		TOC	Other
Depth to Water:	(feet)	4.78	
Depth to Bottom:	(feet)	38.05	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	33.27	
Volume of Water in Well:	(gal)	5.32	
Three Well Volumes:	(gal)	15.96	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate: (ml/min)	200			
Duration of Pumping: (min)	30			
Total Volume Removed: (gal)	2	Did well go dry?	Yes [ ]	No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
10:20	5.76	17.10	8.18	-56	0.551	3.4	1.29	0.352
10:25	8.14	16.29	8.29	-74	0.553	0.3	0.00	0.354
10:30	10.33	16.21	8.31	-73	0.553	0.0	0.00	0.354
10:35	13.14	16.25	8.27	-65	0.553	0.1	0.00	0.354
10:40	15.58	16.39	8.23	-54	0.554	0.0	0.00	0.355
10:45	17.38	16.41	8.20	-45	0.553	0.0	0.00	0.354
10:50	18.93	16.45	8.17	-34	0.553	0.0	0.00	0.354

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2- 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-19R** Duplicate? Yes [ ] No [X]
Sample Time: 10:50 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X] Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: [illegible]
Date: 10/23
Job Number: 0603400-136690-221
Weather: Cloudy (D)
Well Id. **MW-20R**
Time In: 09:25 Time Out: 10:10

Well Information

		TOC	Other
Depth to Water:	(feet)	0.00	
Depth to Bottom:	(feet)	28.40	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	28.40	
Volume of Water in Well:	(gal)	4.54	
Three Well Volumes:	(gal)	13.62	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
09:32	1.00	16.39	8.09	-133	0.604	17.4	0.73	0.389
09:35	3.51	16.34	7.99	-139	0.606	4.2	1.19	0.388
09:40	5.90	16.41	7.97	-140	0.604	0.0	0.75	0.386
09:45	7.70	16.48	7.96	-141	0.603	0.0	0.57	0.386
09:50	9.35	16.54	7.96	-141	0.601	0.1	0.12	0.385
09:55	11.57	16.58	7.96	-141	0.599	0.0	0.00	0.383
10:00	13.22	16.58	7.96	-141	0.598	0.0	0.00	0.382

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2- 250 ml ambers	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide	1 - 125 ml plastic	Yes [X] No [ ]

Sample ID: **MW-20R** Duplicate? Yes [ ] No [X]
Sample Time: 10:00 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Pete Lyon	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-192898-40378.1
Client Contact: Tim Beaumont	Phone: 607-345-6106	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Groundwater & Environmental Services Inc	PWSID:			Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0603400-136690-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Ogdensburg Semi-Annual GW Event Desc: Ogdensburg Semi-An	Project #: 48027231			
Site: Ogdensburg Semi-Annual GWS	SSOW#:			

Analysis Requested

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)	9012B_NP - Cyanide, Total	8270D - PAH Semivolatiles	8260C - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				B	N	A		
MW-2(R)	10/23/24	10:40	G	Water			1	2	3	6	
MW-5R(R)		11:46	G	Water			1	2	3	6	
MW-8R		13:20	G	Water			1	2	3	6	
MW-8R-MS		13:20	G	Water			1	2	3	6	
MW-8R-MSD		13:20	G	Water			1	2	3	6	
MW-9		13:25	G	Water			1	2	3	6	
MW-10R		13:00	G	Water			1	2	3	6	
MW-11		10:05	G	Water			1	2	3	6	
MW-12R		0920	G	Water			1	2	3	6	
MW-14R		09:15	G	Water			1	2	3	6	
MW-15		12:25	G	Water			1	2	3	6	

Preservation Codes:

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

Other:

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) CAT B DELIVERY

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		10/23/24 1650	GES			
	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:

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Peter Lyon	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-192898-40378.2
Client Contact: Tim Beaumont	Phone: 607-345-6106	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: Groundwater & Environmental Services Inc	PWSID:			Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0603400-136690-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Ogdensburg Semi-Annual GW Event Desc: Ogdensburg Semi-An	Project #: 48027231			
Site: Ogdensburg Semi-Annual GWS	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9012B_NP - Cyanide, Total	8270D - PAH Semivolatiles	8260C - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				B	N	A		
MW-15RS		11:45	G	Water			1	2	3	6	
MW-17R		12:30	G	Water			1	2	3	6	
MW-19R		10:50	G	Water			1	2	3	6	
MW-20R		10:00	G	Water			1	2	3	6	
Field Duplicate		—	G	Water			1	2	3	6	
Trip Blank		13:45		Water					2	2	

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) **CAT B DELIVERY**

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Peter Lyon (GES)	10/23/19 16:30	GES			
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:

Appendix C – Data Usability Summary Report

Groundwater & Environmental Services, Inc.

708 North Main Street, Suite 201
Blacksburg, VA 24060

T. 800.662.5067

January 30, 2025

Devin Shay
Groundwater & Environmental Services, Syracuse
6780 Northern Blvd., Suite 100
East Syracuse, NY 13057

RE: Data Usability Summary Report for National Grid - Ogdensburg: Data Packages Eurofins Buffalo Job No. 480-219258-1, 480-224744-1

Groundwater & Environmental Services, Inc. (GES) reviewed two (2) data packages (Laboratory Project Numbers 480-219258-1, 480-224744-1 from Eurofins Environment Testing, Buffalo, for the analysis of groundwater samples collected on April 24, 2024 and October 23, 2024 from monitoring wells located at the at the National Grid Ogdensburg site. Collected samples included nine (9) aqueous samples in the spring and 13 aqueous samples in the fall event, as well as field quality samples including a trip blank and a field duplicate during each event. The samples were processed for volatile organic compounds benzene, toluene, ethylbenzene and xylenes (BTEX), cyanide, and polycyclic aromatic hydrocarbons (PAHs). The trip blanks were analyzed for volatiles with the site samples. The purpose of the trip blank is to determine if there is outside BTEX contamination caused by transporting the samples.

Analytical methodologies are those of the USEPA with additional requirements of the NYSDEC ASP.

Complete NYSDEC Category B deliverables were included in the laboratory data package and all information required for validation of the data is present. This usability report is generated from review of the summary form information, and review of associated QC raw data. The reported summary forms have been reviewed for application of validation qualifiers, using guidance from the National Grid generic QAPP, USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, and professional judgment, as affects the usability of the data. The following items were reviewed:

- Laboratory Narrative Discussion
- Custody Documentation
- Holding Times
- Surrogate and Internal Standard Recoveries
- Matrix Spike Recoveries/Duplicate (MS/MSD) Correlations
- Field Duplicate Correlations
- Laboratory Control Sample (LCS)
- Preparation/Calibration Blanks
- Calibration/Low Level Standard Responses
- Instrumental Tunes
- Sample Quantitation and Identification

All of the items were determined to be acceptable for the DUSR level review. In summary, sample results are usable.

The laboratory case narratives and sample identification summary forms are attached to this text, and should be reviewed in conjunction with this report.

Table 1 – Data Qualifications

Sample ID	*Qualifier*	*Analyte*	*Reason for qualification*
MW-5R(R) -0424:	ND at 0.024 ug/L	Cyanide	Blank Detection
MW-8R-0424:	ND at the RL-		
MW-12R-0424:	ND at 0.019 ug/L		
MW-2(R)-0424	J-	Cyanide	MS/MSD recovery low
MW-8R-1024	J-	Naphthalene	MS/MSD recoveries low, positive detection

J-/UJ-: estimated detect/estimated non-detect with a possible low bias
R: Data unusable due to gross QC failure
J+: estimated detect with a possible high bias
J/UJ: estimated with an indeterminate bias

BTEX and TCL Volatiles by EPA 8260C/NYSDEC ASP

Sample holding times for groundwater and instrumental tune fragmentations are within acceptance ranges for both events. For some samples, the concentrations exceeded the calibration curve, and were diluted prior to final quantification. Elevated reporting limits are provided for the MW-8R MS and MW-8R MSD samples.

Calibration standards show acceptable responses within analytical protocol and validation action limits for both events.

LCS/LCSD recoveries and relative percent differences (RPD) are within criteria for both events.

Surrogate and internal standard recoveries are within required limits for both the spring and fall events.

The blind field duplicate correlations of MW-10R-0424 were within the project specification of ≤25% for both sampling events.

Table 2a: VOCs Precision Calculations

Compound	MW-10R-0424	FD-0424	RPD
Benzene	2000	2500	22.2
Ethylbenzene	120	140	15.4
Toluene	210	240	13.3
Xylene (Total)	150	170	12.5

µg/L-microgram per liter *RPD - relative percent difference*

The blind field duplicate correlations of MW-10R-1024 were within the project specification of ≤25% for both sampling events.

Table 2b: VOCs Precision Calculations

Compound	MW-10R-1024	FD-10242	RPD
Benzene	1990	1880	5.7
Ethylbenzene	128	124	3.2
Toluene	229	219	4.5
Xylene (Total)	164	156	5.0

µg/L-microgram per liter RPD - relative percent difference

Cyanide by EPA 9012B/NYDESC ASP

Holding times were met for both sampling events. Blanks, both laboratory and field-generated, show no contamination. Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines.

The laboratory control spike recoveries and precision indicate the method is within laboratory control.

The MS/MSD recovery for MW-2(R)-0424 and MW-8(R)-0424 reported low recovery for cyanide. MW-8(R)-0424 had original concentrations already qualified by the laboratory for being below RL, but the cyanide data for MW-2(R)-0424 is qualified as estimated low.

Cyanide was found in the spring method blank sample at 0.00560 ug/L. The following samples reported concentrations below 10x this concentration, and are qualified as non-detect at the reported concentration.

- MW-5R(R): ND at 0.024 ug/L
- MW-8R: ND at the RL
- MW-12R: ND at 0.019 ug/L

For the spring and fall event, MS/MSDs were analyzed using MW-8R-0424. For the spring event, the MW-2(R)-0424 sample was also utilized, for the fall event, samples MW-8R-1024 and MW-20R -1024 were used.

Spring Event

For the spring event, the cyanide recovered low in the MS/MSDs associated with MW-2(R)-0424 and MW-8R-0424:

Validation qualifiers are noted in **Table 1.**

There was no cyanide reported in MW-10R-0424 or the duplicate during the spring event.

Fall Event

No non-compliances were reported in the fall event.

The blind field duplicate correlations of MW-10R-1024 were within project criteria. No data was qualified.

Table 3: Cyanide Precision Calculations

Compound	MW-10R-1024	FD-1024	RPD
Cyanide	0.14	0.13	7.4

µg/L-microgram per liter RPD - relative percent difference

PAHs by EPA8270D/NYSDEC ASP

Holding times were met for both sampling events. Instrumental tune fragmentations are within acceptance ranges.

Surrogates were within specification for all samples. Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines. Samples with high concentrations were run at dilution to allow accurate quantification. Some detection limits are elevated.

Spring Event

Blanks reported no above RL concentrations. Matrix spike and matrix spike associated with MW-08R-0424 recoveries were within laboratory specified criteria.

The blind field duplicate correlations of MW-10R-0424, when concentrations were >2x RL, were within project specification of RPD ≤ 25%.

Table 4a: PAH Precision Calculations

Compound	MW-10R-0424	FD-0424	RPD
Acenaphthene	36	34	5.7
Acenaphthylene	43	37	15
Fluorene	15	15J	NC
Naphthalene	580	560	3.5

Fall Event

Blanks reported no above RL concentrations. Matrix spike and matrix spike associated with **MW-08R-1024** recoveries were within laboratory specified criteria, with the following exceptions:

- Naphthalene reported a low recovery and the data is qualified as estimated with possible low bias.

Data is qualified as noted in **Table 1.**

The blind field duplicate correlations of MW-10R-1024, when concentrations were >2x RL, were within project specification of RPD ≤ 25%. No qualifications are required.

Table 4b: PAH Precision Calculations

Compound	MW-10R-1024	FD-1024	RPD
Acenaphthene	44J	49	NC
Acenaphthylene	49J	62	NC
Fluorene	20J	19	NC
Naphthalene	690	770	11

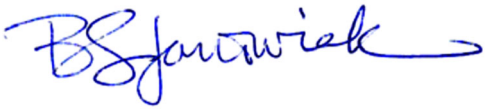
NC: not calculated

Data Package Completeness

Complete NYSDEC Category B deliverables were included in the laboratory data package, all information required for validation of the data is present.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Sincerely,



Bonnie Janowiak, Ph.D.
Principal Environmental Chemist, NRCC Certified

Sample Summary

Client: Groundwater & Environmental Services Inc
Job ID: 480-219258-1
Project/Site:

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-219258-1	MW-2(R)	Water	04/24/24 13:25	04/25/24 10:30
480-219258-2	MW-5R(R)	Water	04/24/24 13:20	04/25/24 10:30
480-219258-3	MW-8R	Water	04/24/24 12:20	04/25/24 10:30
480-219258-4	MW-10R	Water	04/24/24 11:25	04/25/24 10:30
480-219258-5	MW-11	Water	04/24/24 12:25	04/25/24 10:30
480-219258-6	MW-12R	Water	04/24/24 11:30	04/25/24 10:30
480-219258-7	MW-15	Water	04/24/24 14:00	04/25/24 10:30
480-219258-8	MW-15RS	Water	04/24/24 13:15	04/25/24 10:30
480-219258-9	MW-20R	Water	04/24/24 12:05	04/25/24 10:30
480-219258-10	Field Duplicate	Water	04/24/24 00:00	04/25/24 10:30
480-219258-11	Trip Blank	Water	04/24/24 13:25	04/25/24 10:30

Job Narrative
480-219258-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 4/25/2024 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.7°C and 3.1°C.

GC/MS VOA
Method 8260C: The following sample was diluted due to the abundance of non-target analytes: MW-2(R) (480-219258-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-8R (480-219258-3), MW-10R (480-219258-4) and Field Duplicate (480-219258-10). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-12R (480-219258-6). 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.

GC/MS Semi VOA
Method 8270D: The following samples were diluted due to color, appearance, and viscosity: MW-2(R) (480-219258-1), MW-8R (480-219258-3), MW-8R-MS (480-219258-3[MS]), MW-8R-MSD (480-219258-3[MSD]), MW-15RS (480-219258-8) and Field Duplicate (480-219258-10). Elevated reporting limits (RL) are provided.

Method 8270D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-10R (480-219258-4) and Field Duplicate (480-219258-10). Elevated reporting limits (RLs) are provided.

Method 8270D: The following samples required a dilution due to the abundance of target analytes: MW-10R (480-219258-4) and Field Duplicate (480-219258-10). 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.

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

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

Sample Summary

Client: Groundwater & Environmental Services Inc
Job ID: 480-224744-1
Project/Site:

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-224744-1	Trip Blank	Water	10/23/24 13:45	10/24/24 10:30
480-224744-2	MW-2(R)	Water	10/23/24 10:40	10/24/24 10:30
480-224744-3	MW-5R(R)	Water	10/23/24 11:45	10/24/24 10:30
480-224744-4	MW-8R	Water	10/23/24 13:20	10/24/24 10:30
480-224744-5	MW-9	Water	10/23/24 13:25	10/24/24 10:30
480-224744-6	MW-10R	Water	10/23/24 13:00	10/24/24 10:30
480-224744-7	MW-11	Water	10/23/24 10:05	10/24/24 10:30
480-224744-8	MW-12R	Water	10/23/24 09:20	10/24/24 10:30
480-224744-9	MW-14R	Water	10/23/24 09:15	10/24/24 10:30
480-224744-10	MW-15	Water	10/23/24 12:25	10/24/24 10:30
480-224744-11	MW-15RS	Water	10/23/24 11:45	10/24/24 10:30
480-224744-12	MW-17R	Water	10/23/24 12:30	10/24/24 10:30
480-224744-13	MW-19R	Water	10/23/24 10:50	10/24/24 10:30
480-224744-14	MW-20R	Water	10/23/24 10:00	10/24/24 10:30
480-224744-15	Field Duplicate	Water	10/23/24 00:00	10/24/24 10:30

Job ID: 480-224744-1 Eurofins Buffalo

Job Narrative
480-224744-1

Receipt
The samples were received on 10/24/2024 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.1º C and 2.7º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-9 (480-224744-5) and MW-12R (480-224744-8). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-2(R) (480-224744-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-5R(R) (480-224744-3), MW-8R (480-224744-4), MW-8R-MS (480-224744-4[MS]), MW-8R-MSD (480-224744-4[MSD]), MW-10R (480-224744-6) and Field Duplicate (480-224744-15). 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.

GC/MS Semi VOA
Method 8270D: The following samples were diluted due to color, appearance, and viscosity: MW-2(R) (480-224744-2), MW-5R(R) (480-224744-3), MW-8R (480-224744-4), MW-8R-MS (480-224744-4[MS]), MW-8R-MSD (480-224744-4[MSD]), MW-9 (480-224744-5), MW-10R (480-224744-6) and MW-12R (480-224744-8). Elevated reporting limits (RL) are provided.

Method 8270D: The following samples required a dilution due to the nature of the sample matrix: MW-2(R) (480-224744-2), MW-5R(R) (480-224744-3) and MW-10R (480-224744-6). 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: Field Duplicate (480-224744-15). Elevated reporting limits (RLs) are provided.

Method 8270D: The following sample required a dilution due to the abundance of target analytes: Field Duplicate (480-224744-15). 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.

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

General Chemistry
Method 9012B: The following samples tested positive for sulfide, so samples and QC (including curve) were treated with bismuth (III) nitrate pentahydrate until treated sample volumes tested negative for sulfide via lead acetate test strip: MW-12R (480-224744-8) and MW-15RS (480-224744-11).

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.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tim Beaumont
Groundwater & Environmental Services Inc
6780 Northern Boulevard
Suite 100
East Syracuse, New York 13057

Generated 5/2/2024 12:25:35 PM

JOB DESCRIPTION

Ogdensburg Semi-Annual GWS

JOB NUMBER

480-219258-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

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

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.

Authorization

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5/2/2024 12:25:35 PM

Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

Table of Contents

Definitions/Glossary

Client: Groundwater & Environmental Services Inc Job ID: 480-219258-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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.

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
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.

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
480-219258-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 4/25/2024 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.7°C and 3.1°C.

GC/MS VOA
Method 8260C: The following sample was diluted due to the abundance of non-target analytes: MW-2(R) (480-219258-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-8R (480-219258-3), MW-10R (480-219258-4) and Field Duplicate (480-219258-10). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-12R (480-219258-6). 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.

GC/MS Semi VOA
Method 8270D: The following samples were diluted due to color, appearance, and viscosity: MW-2(R) (480-219258-1), MW-8R (480-219258-3), MW-8R-MS (480-219258-3[MS]), MW-8R-MSD (480-219258-3[MSD]), MW-15RS (480-219258-8) and Field Duplicate (480-219258-10). Elevated reporting limits (RL) are provided.

Method 8270D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-10R (480-219258-4) and Field Duplicate (480-219258-10). Elevated reporting limits (RLs) are provided.

Method 8270D: The following samples required a dilution due to the abundance of target analytes: MW-10R (480-219258-4) and Field Duplicate (480-219258-10). 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.

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

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

Detection Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-219258-1

Client Sample ID: MW-2(R) — Lab Sample ID: 480-219258-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	29		2.0	0.82	ug/L	2		8260C	Total/NA
Toluene	15		2.0	1.0	ug/L	2		8260C	Total/NA
m-Xylene & p-Xylene	11		4.0	1.3	ug/L	2		8260C	Total/NA
o-Xylene	4.7		2.0	1.5	ug/L	2		8260C	Total/NA
Xylenes, Total	16		4.0	1.3	ug/L	2		8260C	Total/NA
Total BTEX	60		4.0	2.0	ug/L	2		8260C	Total/NA
Acenaphthylene	9.8	J	50	3.8	ug/L	10		8270D	Total/NA
Fluorene	4.8	J	50	3.6	ug/L	10		8270D	Total/NA
Naphthalene	200		50	7.6	ug/L	10		8270D	Total/NA
Cyanide, Total	0.40	B F1	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-5R(R) — Lab Sample ID: 480-219258-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	65		1.0	0.41	ug/L	1		8260C	Total/NA
Toluene	0.86	J	1.0	0.51	ug/L	1		8260C	Total/NA
Ethylbenzene	2.1		1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	2.0		2.0	0.66	ug/L	1		8260C	Total/NA
Xylenes, Total	2.0		2.0	0.66	ug/L	1		8260C	Total/NA
Total BTEX	70		2.0	1.0	ug/L	1		8260C	Total/NA
Acenaphthene	8.7		5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	2.6	J	5.0	0.38	ug/L	1		8270D	Total/NA
Anthracene	0.95	J	5.0	0.28	ug/L	1		8270D	Total/NA
Fluoranthene	0.59	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	5.9		5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	9.0		5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	5.0		5.0	0.44	ug/L	1		8270D	Total/NA
Pyrene	0.58	J	5.0	0.34	ug/L	1		8270D	Total/NA
Cyanide, Total	0.024	B	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-8R — Lab Sample ID: 480-219258-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	390	F1	10	4.1	ug/L	10		8260C	Total/NA
Ethylbenzene	9.1	J F1	10	7.4	ug/L	10		8260C	Total/NA
m-Xylene & p-Xylene	6.9	J F1	20	6.6	ug/L	10		8260C	Total/NA
Xylenes, Total	6.9	J F1	20	6.6	ug/L	10		8260C	Total/NA
Total BTEX	410	F1	20	10	ug/L	10		8260C	Total/NA
Acenaphthene	9.0	J	25	2.1	ug/L	5		8270D	Total/NA
Acenaphthylene	4.8	J	25	1.9	ug/L	5		8270D	Total/NA
Fluorene	5.1	J	25	1.8	ug/L	5		8270D	Total/NA
Naphthalene	30		25	3.8	ug/L	5		8270D	Total/NA
Cyanide, Total	0.0095	J F1	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-10R — Lab Sample ID: 480-219258-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2000		40	16	ug/L	40		8260C	Total/NA
Toluene	210		40	20	ug/L	40		8260C	Total/NA
Ethylbenzene	120		40	30	ug/L	40		8260C	Total/NA
m-Xylene & p-Xylene	99		80	26	ug/L	40		8260C	Total/NA
o-Xylene	54		40	30	ug/L	40		8260C	Total/NA
Xylenes, Total	150		80	26	ug/L	40		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: MW-10R (Continued) Lab Sample ID: 480-219258-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total BTEX	2500		80	40	ug/L	40		8260C	Total/NA
Acenaphthene	36		5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	43		5.0	0.38	ug/L	1		8270D	Total/NA
Anthracene	1.0	J	5.0	0.28	ug/L	1		8270D	Total/NA
Fluorene	15		5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	180	E	5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	2.7	J	5.0	0.44	ug/L	1		8270D	Total/NA
Acenaphthene - DL	37	J	100	8.2	ug/L	20		8270D	Total/NA
Acenaphthylene - DL	47	J	100	7.6	ug/L	20		8270D	Total/NA
Fluorene - DL	16	J	100	7.2	ug/L	20		8270D	Total/NA
Naphthalene - DL	580		100	15	ug/L	20		8270D	Total/NA
Cyanide, Total	0.11	B	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-11 Lab Sample ID: 480-219258-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.13	B	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-12R Lab Sample ID: 480-219258-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2300		40	16	ug/L	40		8260C	Total/NA
Ethylbenzene	83		40	30	ug/L	40		8260C	Total/NA
o-Xylene	30	J	40	30	ug/L	40		8260C	Total/NA
Xylenes, Total	30	J	80	26	ug/L	40		8260C	Total/NA
Total BTEX	2400		80	40	ug/L	40		8260C	Total/NA
Acenaphthene	1.7	J	5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	2.6	J	5.0	0.38	ug/L	1		8270D	Total/NA
Naphthalene	25		5.0	0.76	ug/L	1		8270D	Total/NA
Cyanide, Total	0.019	B	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-15 Lab Sample ID: 480-219258-7

No Detections.

Client Sample ID: MW-15RS Lab Sample ID: 480-219258-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.95	J	1.0	0.41	ug/L	1		8260C	Total/NA
Cyanide, Total	0.059	B	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-20R Lab Sample ID: 480-219258-9

No Detections.

Client Sample ID: Field Duplicate Lab Sample ID: 480-219258-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2500		40	16	ug/L	40		8260C	Total/NA
Toluene	240		40	20	ug/L	40		8260C	Total/NA
Ethylbenzene	140		40	30	ug/L	40		8260C	Total/NA
m-Xylene & p-Xylene	110		80	26	ug/L	40		8260C	Total/NA
o-Xylene	62		40	30	ug/L	40		8260C	Total/NA
Xylenes, Total	170		80	26	ug/L	40		8260C	Total/NA
Total BTEX	3100		80	40	ug/L	40		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Field Duplicate (Continued) Lab Sample ID: 480-219258-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	34		25	2.1	ug/L	5		8270D	Total/NA
Acenaphthylene	37		25	1.9	ug/L	5		8270D	Total/NA
Fluorene	15	J	25	1.8	ug/L	5		8270D	Total/NA
Naphthalene	470	E	25	3.8	ug/L	5		8270D	Total/NA
Phenanthrene	2.7	J	25	2.2	ug/L	5		8270D	Total/NA
Acenaphthene - DL	36	J	100	8.2	ug/L	20		8270D	Total/NA
Acenaphthylene - DL	40	J	100	7.6	ug/L	20		8270D	Total/NA
Fluorene - DL	15	J	100	7.2	ug/L	20		8270D	Total/NA
Naphthalene - DL	560		100	15	ug/L	20		8270D	Total/NA
Cyanide, Total	0.10	B	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: Trip Blank Lab Sample ID: 480-219258-11

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-2(R)
Date Collected: 04/24/24 13:25
Date Received: 04/25/24 10:30

Lab Sample ID: 480-219258-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**29**		2.0	0.82	ug/L			04/28/24 17:35	2
Toluene	**15**		2.0	1.0	ug/L			04/28/24 17:35	2
Ethylbenzene	ND		2.0	1.5	ug/L			04/28/24 17:35	2
m-Xylene & p-Xylene	**11**		4.0	1.3	ug/L			04/28/24 17:35	2
o-Xylene	**4.7**		2.0	1.5	ug/L			04/28/24 17:35	2
Xylenes, Total	**16**		4.0	1.3	ug/L			04/28/24 17:35	2
Total BTEX	**60**		4.0	2.0	ug/L			04/28/24 17:35	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*04/28/24 17:35*	*2*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*04/28/24 17:35*	*2*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/28/24 17:35*	*2*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*04/28/24 17:35*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		50	4.1	ug/L		04/26/24 13:45	04/29/24 16:42	10
Acenaphthylene	**9.8**	**J**	50	3.8	ug/L		04/26/24 13:45	04/29/24 16:42	10
Anthracene	ND		50	2.8	ug/L		04/26/24 13:45	04/29/24 16:42	10
Benzo[a]anthracene	ND		50	3.6	ug/L		04/26/24 13:45	04/29/24 16:42	10
Benzo[a]pyrene	ND		50	4.7	ug/L		04/26/24 13:45	04/29/24 16:42	10
Benzo[b]fluoranthene	ND		50	3.4	ug/L		04/26/24 13:45	04/29/24 16:42	10
Benzo[g,h,i]perylene	ND		50	3.5	ug/L		04/26/24 13:45	04/29/24 16:42	10
Benzo[k]fluoranthene	ND		50	7.3	ug/L		04/26/24 13:45	04/29/24 16:42	10
Chrysene	ND		50	3.3	ug/L		04/26/24 13:45	04/29/24 16:42	10
Dibenz(a,h)anthracene	ND		50	4.2	ug/L		04/26/24 13:45	04/29/24 16:42	10
Fluoranthene	ND		50	4.0	ug/L		04/26/24 13:45	04/29/24 16:42	10
Fluorene	**4.8**	**J**	50	3.6	ug/L		04/26/24 13:45	04/29/24 16:42	10
Indeno[1,2,3-cd]pyrene	ND		50	4.7	ug/L		04/26/24 13:45	04/29/24 16:42	10
Naphthalene	**200**		50	7.6	ug/L		04/26/24 13:45	04/29/24 16:42	10
Phenanthrene	ND		50	4.4	ug/L		04/26/24 13:45	04/29/24 16:42	10
Pyrene	ND		50	3.4	ug/L		04/26/24 13:45	04/29/24 16:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*48 - 120*	*04/26/24 13:45*	*04/29/24 16:42*	*10*
Nitrobenzene-d5 (Surr)	*66*		*46 - 120*	*04/26/24 13:45*	*04/29/24 16:42*	*10*
p-Terphenyl-d14 (Surr)	*64*		*60 - 148*	*04/26/24 13:45*	*04/29/24 16:42*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.40**	**B F1**	0.010	0.0041	mg/L			04/29/24 22:54	1

Client Sample ID: MW-5R(R)
Date Collected: 04/24/24 13:20
Date Received: 04/25/24 10:30

Lab Sample ID: 480-219258-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**65**		1.0	0.41	ug/L			04/28/24 17:57	1
Toluene	**0.86**	**J**	1.0	0.51	ug/L			04/28/24 17:57	1
Ethylbenzene	**2.1**		1.0	0.74	ug/L			04/28/24 17:57	1
m-Xylene & p-Xylene	**2.0**		2.0	0.66	ug/L			04/28/24 17:57	1

Client Sample ID: MW-5R(R)
Lab Sample ID: 480-219258-2
Date Collected: 04/24/24 13:20
Matrix: Water
Date Received: 04/25/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		1.0	0.76	ug/L			04/28/24 17:57	1
Xylenes, Total	**2.0**		2.0	0.66	ug/L			04/28/24 17:57	1
Total BTEX	**70**		2.0	1.0	ug/L			04/28/24 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/28/24 17:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*04/28/24 17:57*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*04/28/24 17:57*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*04/28/24 17:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**8.7**		5.0	0.41	ug/L		04/26/24 13:45	04/29/24 17:09	1
Acenaphthylene	**2.6**	**J**	5.0	0.38	ug/L		04/26/24 13:45	04/29/24 17:09	1
Anthracene	**0.95**	**J**	5.0	0.28	ug/L		04/26/24 13:45	04/29/24 17:09	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		04/26/24 13:45	04/29/24 17:09	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		04/26/24 13:45	04/29/24 17:09	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		04/26/24 13:45	04/29/24 17:09	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		04/26/24 13:45	04/29/24 17:09	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		04/26/24 13:45	04/29/24 17:09	1
Chrysene	ND		5.0	0.33	ug/L		04/26/24 13:45	04/29/24 17:09	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		04/26/24 13:45	04/29/24 17:09	1
Fluoranthene	**0.59**	**J**	5.0	0.40	ug/L		04/26/24 13:45	04/29/24 17:09	1
Fluorene	**5.9**		5.0	0.36	ug/L		04/26/24 13:45	04/29/24 17:09	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		04/26/24 13:45	04/29/24 17:09	1
Naphthalene	**9.0**		5.0	0.76	ug/L		04/26/24 13:45	04/29/24 17:09	1
Phenanthrene	**5.0**		5.0	0.44	ug/L		04/26/24 13:45	04/29/24 17:09	1
Pyrene	**0.58**	**J**	5.0	0.34	ug/L		04/26/24 13:45	04/29/24 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*84*		*48 - 120*	*04/26/24 13:45*	*04/29/24 17:09*	*1*
Nitrobenzene-d5 (Surr)	*82*		*46 - 120*	*04/26/24 13:45*	*04/29/24 17:09*	*1*
p-Terphenyl-d14 (Surr)	*90*		*60 - 148*	*04/26/24 13:45*	*04/29/24 17:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.024**	**B**	0.010	0.0041	mg/L			04/29/24 22:59	1

Client Sample ID: MW-8R
Lab Sample ID: 480-219258-3
Date Collected: 04/24/24 12:20
Matrix: Water
Date Received: 04/25/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**390**	**F1**	10	4.1	ug/L			04/28/24 18:19	10
Toluene	ND	F1	10	5.1	ug/L			04/28/24 18:19	10
Ethylbenzene	**9.1**	**J F1**	10	7.4	ug/L			04/28/24 18:19	10
m-Xylene & p-Xylene	**6.9**	**J F1**	20	6.6	ug/L			04/28/24 18:19	10
o-Xylene	ND	F1	10	7.6	ug/L			04/28/24 18:19	10
Xylenes, Total	**6.9**	**J F1**	20	6.6	ug/L			04/28/24 18:19	10
Total BTEX	**410**	**F1**	20	10	ug/L			04/28/24 18:19	10

Client Sample ID: MW-8R
Lab Sample ID: 480-219258-3
Date Collected: 04/24/24 12:20
Matrix: Water
Date Received: 04/25/24 10:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/28/24 18:19*	*10*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*04/28/24 18:19*	*10*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*04/28/24 18:19*	*10*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*04/28/24 18:19*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**9.0**	**J**	25	2.1	ug/L		04/26/24 13:45	04/29/24 13:27	5
Acenaphthylene	**4.8**	**J**	25	1.9	ug/L		04/26/24 13:45	04/29/24 13:27	5
Anthracene	ND		25	1.4	ug/L		04/26/24 13:45	04/29/24 13:27	5
Benzo[a]anthracene	ND		25	1.8	ug/L		04/26/24 13:45	04/29/24 13:27	5
Benzo[a]pyrene	ND		25	2.4	ug/L		04/26/24 13:45	04/29/24 13:27	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		04/26/24 13:45	04/29/24 13:27	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		04/26/24 13:45	04/29/24 13:27	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		04/26/24 13:45	04/29/24 13:27	5
Chrysene	ND		25	1.7	ug/L		04/26/24 13:45	04/29/24 13:27	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		04/26/24 13:45	04/29/24 13:27	5
Fluoranthene	ND		25	2.0	ug/L		04/26/24 13:45	04/29/24 13:27	5
Fluorene	**5.1**	**J**	25	1.8	ug/L		04/26/24 13:45	04/29/24 13:27	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		04/26/24 13:45	04/29/24 13:27	5
Naphthalene	**30**		25	3.8	ug/L		04/26/24 13:45	04/29/24 13:27	5
Phenanthrene	ND		25	2.2	ug/L		04/26/24 13:45	04/29/24 13:27	5
Pyrene	ND		25	1.7	ug/L		04/26/24 13:45	04/29/24 13:27	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	*58*		*48 - 120*	*04/26/24 13:45*	*04/29/24 13:27*	*5*
Nitrobenzene-d5 (Surr)	*63*		*46 - 120*	*04/26/24 13:45*	*04/29/24 13:27*	*5*
p-Terphenyl-d14 (Surr)	*62*		*60 - 148*	*04/26/24 13:45*	*04/29/24 13:27*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.0095**	**J F1**	0.010	0.0041	mg/L			04/29/24 22:12	1

Client Sample ID: MW-10R
Lab Sample ID: 480-219258-4
Date Collected: 04/24/24 11:25
Matrix: Water
Date Received: 04/25/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2000**		40	16	ug/L			04/28/24 18:41	40
Toluene	**210**		40	20	ug/L			04/28/24 18:41	40
Ethylbenzene	**120**		40	30	ug/L			04/28/24 18:41	40
m-Xylene & p-Xylene	**99**		80	26	ug/L			04/28/24 18:41	40
o-Xylene	**54**		40	30	ug/L			04/28/24 18:41	40
Xylenes, Total	**150**		80	26	ug/L			04/28/24 18:41	40
Total BTEX	**2500**		80	40	ug/L			04/28/24 18:41	40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/28/24 18:41*	*40*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*04/28/24 18:41*	*40*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*04/28/24 18:41*	*40*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*04/28/24 18:41*	*40*

Client Sample ID: MW-10R
Date Collected: 04/24/24 11:25
Date Received: 04/25/24 10:30

Lab Sample ID: 480-219258-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**36**		5.0	0.41	ug/L		04/26/24 13:45	04/29/24 17:37	1
Acenaphthylene	**43**		5.0	0.38	ug/L		04/26/24 13:45	04/29/24 17:37	1
Anthracene	**1.0**	**J**	5.0	0.28	ug/L		04/26/24 13:45	04/29/24 17:37	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		04/26/24 13:45	04/29/24 17:37	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		04/26/24 13:45	04/29/24 17:37	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		04/26/24 13:45	04/29/24 17:37	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		04/26/24 13:45	04/29/24 17:37	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		04/26/24 13:45	04/29/24 17:37	1
Chrysene	ND		5.0	0.33	ug/L		04/26/24 13:45	04/29/24 17:37	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		04/26/24 13:45	04/29/24 17:37	1
Fluoranthene	ND		5.0	0.40	ug/L		04/26/24 13:45	04/29/24 17:37	1
Fluorene	**15**		5.0	0.36	ug/L		04/26/24 13:45	04/29/24 17:37	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		04/26/24 13:45	04/29/24 17:37	1
Naphthalene	**180**	**E**	5.0	0.76	ug/L		04/26/24 13:45	04/29/24 17:37	1
Phenanthrene	**2.7**	**J**	5.0	0.44	ug/L		04/26/24 13:45	04/29/24 17:37	1
Pyrene	ND		5.0	0.34	ug/L		04/26/24 13:45	04/29/24 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*88*		*48 - 120*	*04/26/24 13:45*	*04/29/24 17:37*	*1*
Nitrobenzene-d5 (Surr)	*71*		*46 - 120*	*04/26/24 13:45*	*04/29/24 17:37*	*1*
p-Terphenyl-d14 (Surr)	*82*		*60 - 148*	*04/26/24 13:45*	*04/29/24 17:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**37**	**J**	100	8.2	ug/L		04/26/24 13:45	05/01/24 05:21	20
Acenaphthylene	**47**	**J**	100	7.6	ug/L		04/26/24 13:45	05/01/24 05:21	20
Anthracene	ND		100	5.6	ug/L		04/26/24 13:45	05/01/24 05:21	20
Benzo[a]anthracene	ND		100	7.2	ug/L		04/26/24 13:45	05/01/24 05:21	20
Benzo[a]pyrene	ND		100	9.4	ug/L		04/26/24 13:45	05/01/24 05:21	20
Benzo[b]fluoranthene	ND		100	6.8	ug/L		04/26/24 13:45	05/01/24 05:21	20
Benzo[g,h,i]perylene	ND		100	7.0	ug/L		04/26/24 13:45	05/01/24 05:21	20
Benzo[k]fluoranthene	ND		100	15	ug/L		04/26/24 13:45	05/01/24 05:21	20
Chrysene	ND		100	6.6	ug/L		04/26/24 13:45	05/01/24 05:21	20
Dibenz(a,h)anthracene	ND		100	8.4	ug/L		04/26/24 13:45	05/01/24 05:21	20
Fluoranthene	ND		100	8.0	ug/L		04/26/24 13:45	05/01/24 05:21	20
Fluorene	**16**	**J**	100	7.2	ug/L		04/26/24 13:45	05/01/24 05:21	20
Indeno[1,2,3-cd]pyrene	ND		100	9.4	ug/L		04/26/24 13:45	05/01/24 05:21	20
Naphthalene	**580**		100	15	ug/L		04/26/24 13:45	05/01/24 05:21	20
Phenanthrene	ND		100	8.8	ug/L		04/26/24 13:45	05/01/24 05:21	20
Pyrene	ND		100	6.8	ug/L		04/26/24 13:45	05/01/24 05:21	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*91*		*48 - 120*	*04/26/24 13:45*	*05/01/24 05:21*	*20*
Nitrobenzene-d5 (Surr)	*88*		*46 - 120*	*04/26/24 13:45*	*05/01/24 05:21*	*20*
p-Terphenyl-d14 (Surr)	*79*		*60 - 148*	*04/26/24 13:45*	*05/01/24 05:21*	*20*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.11**	**B**	0.010	0.0041	mg/L			04/29/24 23:02	1

Client Sample ID: MW-11
Date Collected: 04/24/24 12:25
Date Received: 04/25/24 10:30

Lab Sample ID: 480-219258-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/28/24 19:03	1
Toluene	ND		1.0	0.51	ug/L			04/28/24 19:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/28/24 19:03	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/28/24 19:03	1
o-Xylene	ND		1.0	0.76	ug/L			04/28/24 19:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/28/24 19:03	1
Total BTEX	ND		2.0	1.0	ug/L			04/28/24 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/28/24 19:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*04/28/24 19:03*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/28/24 19:03*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*04/28/24 19:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		04/26/24 13:45	04/29/24 18:05	1
Acenaphthylene	ND		5.0	0.38	ug/L		04/26/24 13:45	04/29/24 18:05	1
Anthracene	ND		5.0	0.28	ug/L		04/26/24 13:45	04/29/24 18:05	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		04/26/24 13:45	04/29/24 18:05	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		04/26/24 13:45	04/29/24 18:05	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		04/26/24 13:45	04/29/24 18:05	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		04/26/24 13:45	04/29/24 18:05	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		04/26/24 13:45	04/29/24 18:05	1
Chrysene	ND		5.0	0.33	ug/L		04/26/24 13:45	04/29/24 18:05	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		04/26/24 13:45	04/29/24 18:05	1
Fluoranthene	ND		5.0	0.40	ug/L		04/26/24 13:45	04/29/24 18:05	1
Fluorene	ND		5.0	0.36	ug/L		04/26/24 13:45	04/29/24 18:05	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		04/26/24 13:45	04/29/24 18:05	1
Naphthalene	ND		5.0	0.76	ug/L		04/26/24 13:45	04/29/24 18:05	1
Phenanthrene	ND		5.0	0.44	ug/L		04/26/24 13:45	04/29/24 18:05	1
Pyrene	ND		5.0	0.34	ug/L		04/26/24 13:45	04/29/24 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*94*		*48 - 120*	*04/26/24 13:45*	*04/29/24 18:05*	*1*
Nitrobenzene-d5 (Surr)	*95*		*46 - 120*	*04/26/24 13:45*	*04/29/24 18:05*	*1*
p-Terphenyl-d14 (Surr)	*84*		*60 - 148*	*04/26/24 13:45*	*04/29/24 18:05*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.13**	**B**	0.010	0.0041	mg/L			04/29/24 23:05	1

Client Sample ID: MW-12R
Date Collected: 04/24/24 11:30
Date Received: 04/25/24 10:30

Lab Sample ID: 480-219258-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2300**		40	16	ug/L			04/29/24 15:39	40
Toluene	ND		40	20	ug/L			04/29/24 15:39	40
Ethylbenzene	**83**		40	30	ug/L			04/29/24 15:39	40
m-Xylene & p-Xylene	ND		80	26	ug/L			04/29/24 15:39	40

Client Sample ID: MW-12R
Lab Sample ID: 480-219258-6
Date Collected: 04/24/24 11:30
Matrix: Water
Date Received: 04/25/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	30	J	40	30	ug/L			04/29/24 15:39	40
Xylenes, Total	30	J	80	26	ug/L			04/29/24 15:39	40
Total BTEX	2400		80	40	ug/L			04/29/24 15:39	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/29/24 15:39*	*40*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*04/29/24 15:39*	*40*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*04/29/24 15:39*	*40*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*04/29/24 15:39*	*40*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.7	J	5.0	0.41	ug/L		04/26/24 13:45	04/29/24 18:32	1
Acenaphthylene	2.6	J	5.0	0.38	ug/L		04/26/24 13:45	04/29/24 18:32	1
Anthracene	ND		5.0	0.28	ug/L		04/26/24 13:45	04/29/24 18:32	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		04/26/24 13:45	04/29/24 18:32	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		04/26/24 13:45	04/29/24 18:32	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		04/26/24 13:45	04/29/24 18:32	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		04/26/24 13:45	04/29/24 18:32	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		04/26/24 13:45	04/29/24 18:32	1
Chrysene	ND		5.0	0.33	ug/L		04/26/24 13:45	04/29/24 18:32	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		04/26/24 13:45	04/29/24 18:32	1
Fluoranthene	ND		5.0	0.40	ug/L		04/26/24 13:45	04/29/24 18:32	1
Fluorene	ND		5.0	0.36	ug/L		04/26/24 13:45	04/29/24 18:32	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		04/26/24 13:45	04/29/24 18:32	1
Naphthalene	25		5.0	0.76	ug/L		04/26/24 13:45	04/29/24 18:32	1
Phenanthrene	ND		5.0	0.44	ug/L		04/26/24 13:45	04/29/24 18:32	1
Pyrene	ND		5.0	0.34	ug/L		04/26/24 13:45	04/29/24 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*92*		*48 - 120*	*04/26/24 13:45*	*04/29/24 18:32*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 120*	*04/26/24 13:45*	*04/29/24 18:32*	*1*
p-Terphenyl-d14 (Surr)	*115*		*60 - 148*	*04/26/24 13:45*	*04/29/24 18:32*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.019	B	0.010	0.0041	mg/L			04/29/24 23:07	1

Client Sample ID: MW-15
Lab Sample ID: 480-219258-7
Date Collected: 04/24/24 14:00
Matrix: Water
Date Received: 04/25/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/29/24 16:01	1
Toluene	ND		1.0	0.51	ug/L			04/29/24 16:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/29/24 16:01	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/29/24 16:01	1
o-Xylene	ND		1.0	0.76	ug/L			04/29/24 16:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/29/24 16:01	1
Total BTEX	ND		2.0	1.0	ug/L			04/29/24 16:01	1

Client Sample ID: MW-15
Date Collected: 04/24/24 14:00
Date Received: 04/25/24 10:30

Lab Sample ID: 480-219258-7
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/29/24 16:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*04/29/24 16:01*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*04/29/24 16:01*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*04/29/24 16:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		04/26/24 13:45	04/29/24 19:00	1
Acenaphthylene	ND		5.0	0.38	ug/L		04/26/24 13:45	04/29/24 19:00	1
Anthracene	ND		5.0	0.28	ug/L		04/26/24 13:45	04/29/24 19:00	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		04/26/24 13:45	04/29/24 19:00	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		04/26/24 13:45	04/29/24 19:00	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		04/26/24 13:45	04/29/24 19:00	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		04/26/24 13:45	04/29/24 19:00	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		04/26/24 13:45	04/29/24 19:00	1
Chrysene	ND		5.0	0.33	ug/L		04/26/24 13:45	04/29/24 19:00	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		04/26/24 13:45	04/29/24 19:00	1
Fluoranthene	ND		5.0	0.40	ug/L		04/26/24 13:45	04/29/24 19:00	1
Fluorene	ND		5.0	0.36	ug/L		04/26/24 13:45	04/29/24 19:00	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		04/26/24 13:45	04/29/24 19:00	1
Naphthalene	ND		5.0	0.76	ug/L		04/26/24 13:45	04/29/24 19:00	1
Phenanthrene	ND		5.0	0.44	ug/L		04/26/24 13:45	04/29/24 19:00	1
Pyrene	ND		5.0	0.34	ug/L		04/26/24 13:45	04/29/24 19:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	*87*		*48 - 120*	*04/26/24 13:45*	*04/29/24 19:00*	*1*
Nitrobenzene-d5 (Surr)	*90*		*46 - 120*	*04/26/24 13:45*	*04/29/24 19:00*	*1*
p-Terphenyl-d14 (Surr)	*75*		*60 - 148*	*04/26/24 13:45*	*04/29/24 19:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			04/29/24 23:10	1

Client Sample ID: MW-15RS
Date Collected: 04/24/24 13:15
Date Received: 04/25/24 10:30

Lab Sample ID: 480-219258-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.95**	**J**	1.0	0.41	ug/L			04/28/24 20:10	1
Toluene	ND		1.0	0.51	ug/L			04/28/24 20:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/28/24 20:10	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/28/24 20:10	1
o-Xylene	ND		1.0	0.76	ug/L			04/28/24 20:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/28/24 20:10	1
Total BTEX	ND		2.0	1.0	ug/L			04/28/24 20:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/28/24 20:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*04/28/24 20:10*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*04/28/24 20:10*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*04/28/24 20:10*	*1*

Client Sample ID: MW-15RS
Lab Sample ID: 480-219258-8
Date Collected: 04/24/24 13:15
Matrix: Water
Date Received: 04/25/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		25	2.1	ug/L		04/26/24 13:45	04/29/24 19:28	5
Acenaphthylene	ND		25	1.9	ug/L		04/26/24 13:45	04/29/24 19:28	5
Anthracene	ND		25	1.4	ug/L		04/26/24 13:45	04/29/24 19:28	5
Benzo[a]anthracene	ND		25	1.8	ug/L		04/26/24 13:45	04/29/24 19:28	5
Benzo[a]pyrene	ND		25	2.4	ug/L		04/26/24 13:45	04/29/24 19:28	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		04/26/24 13:45	04/29/24 19:28	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		04/26/24 13:45	04/29/24 19:28	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		04/26/24 13:45	04/29/24 19:28	5
Chrysene	ND		25	1.7	ug/L		04/26/24 13:45	04/29/24 19:28	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		04/26/24 13:45	04/29/24 19:28	5
Fluoranthene	ND		25	2.0	ug/L		04/26/24 13:45	04/29/24 19:28	5
Fluorene	ND		25	1.8	ug/L		04/26/24 13:45	04/29/24 19:28	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		04/26/24 13:45	04/29/24 19:28	5
Naphthalene	ND		25	3.8	ug/L		04/26/24 13:45	04/29/24 19:28	5
Phenanthrene	ND		25	2.2	ug/L		04/26/24 13:45	04/29/24 19:28	5
Pyrene	ND		25	1.7	ug/L		04/26/24 13:45	04/29/24 19:28	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*75*		*48 - 120*	*04/26/24 13:45*	*04/29/24 19:28*	*5*
Nitrobenzene-d5 (Surr)	*74*		*46 - 120*	*04/26/24 13:45*	*04/29/24 19:28*	*5*
p-Terphenyl-d14 (Surr)	*86*		*60 - 148*	*04/26/24 13:45*	*04/29/24 19:28*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.059**	**B**	0.010	0.0041	mg/L			04/29/24 23:13	1

Client Sample ID: MW-20R
Lab Sample ID: 480-219258-9
Date Collected: 04/24/24 12:05
Matrix: Water
Date Received: 04/25/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/29/24 16:24	1
Toluene	ND		1.0	0.51	ug/L			04/29/24 16:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/29/24 16:24	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/29/24 16:24	1
o-Xylene	ND		1.0	0.76	ug/L			04/29/24 16:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/29/24 16:24	1
Total BTEX	ND		2.0	1.0	ug/L			04/29/24 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*04/29/24 16:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*04/29/24 16:24*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/29/24 16:24*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*04/29/24 16:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		04/26/24 13:45	04/29/24 19:56	1
Acenaphthylene	ND		5.0	0.38	ug/L		04/26/24 13:45	04/29/24 19:56	1
Anthracene	ND		5.0	0.28	ug/L		04/26/24 13:45	04/29/24 19:56	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		04/26/24 13:45	04/29/24 19:56	1

Client Sample ID: MW-20R
Lab Sample ID: 480-219258-9
Date Collected: 04/24/24 12:05
Matrix: Water
Date Received: 04/25/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		5.0	0.47	ug/L		04/26/24 13:45	04/29/24 19:56	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		04/26/24 13:45	04/29/24 19:56	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		04/26/24 13:45	04/29/24 19:56	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		04/26/24 13:45	04/29/24 19:56	1
Chrysene	ND		5.0	0.33	ug/L		04/26/24 13:45	04/29/24 19:56	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		04/26/24 13:45	04/29/24 19:56	1
Fluoranthene	ND		5.0	0.40	ug/L		04/26/24 13:45	04/29/24 19:56	1
Fluorene	ND		5.0	0.36	ug/L		04/26/24 13:45	04/29/24 19:56	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		04/26/24 13:45	04/29/24 19:56	1
Naphthalene	ND		5.0	0.76	ug/L		04/26/24 13:45	04/29/24 19:56	1
Phenanthrene	ND		5.0	0.44	ug/L		04/26/24 13:45	04/29/24 19:56	1
Pyrene	ND		5.0	0.34	ug/L		04/26/24 13:45	04/29/24 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*95*		*48 - 120*	*04/26/24 13:45*	*04/29/24 19:56*	*1*
Nitrobenzene-d5 (Surr)	*96*		*46 - 120*	*04/26/24 13:45*	*04/29/24 19:56*	*1*
p-Terphenyl-d14 (Surr)	*93*		*60 - 148*	*04/26/24 13:45*	*04/29/24 19:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			04/29/24 23:39	1

Client Sample ID: Field Duplicate
Lab Sample ID: 480-219258-10
Date Collected: 04/24/24 00:00
Matrix: Water
Date Received: 04/25/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2500**		40	16	ug/L			04/28/24 20:54	40
Toluene	**240**		40	20	ug/L			04/28/24 20:54	40
Ethylbenzene	**140**		40	30	ug/L			04/28/24 20:54	40
m-Xylene & p-Xylene	**110**		80	26	ug/L			04/28/24 20:54	40
o-Xylene	**62**		40	30	ug/L			04/28/24 20:54	40
Xylenes, Total	**170**		80	26	ug/L			04/28/24 20:54	40
Total BTEX	**3100**		80	40	ug/L			04/28/24 20:54	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/28/24 20:54*	*40*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*04/28/24 20:54*	*40*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*04/28/24 20:54*	*40*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*04/28/24 20:54*	*40*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**34**		25	2.1	ug/L		04/26/24 13:45	04/29/24 20:23	5
Acenaphthylene	**37**		25	1.9	ug/L		04/26/24 13:45	04/29/24 20:23	5
Anthracene	ND		25	1.4	ug/L		04/26/24 13:45	04/29/24 20:23	5
Benzo[a]anthracene	ND		25	1.8	ug/L		04/26/24 13:45	04/29/24 20:23	5
Benzo[a]pyrene	ND		25	2.4	ug/L		04/26/24 13:45	04/29/24 20:23	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		04/26/24 13:45	04/29/24 20:23	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		04/26/24 13:45	04/29/24 20:23	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		04/26/24 13:45	04/29/24 20:23	5

Client Sample ID: Field Duplicate
Lab Sample ID: 480-219258-10
Date Collected: 04/24/24 00:00
Matrix: Water
Date Received: 04/25/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		25	1.7	ug/L		04/26/24 13:45	04/29/24 20:23	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		04/26/24 13:45	04/29/24 20:23	5
Fluoranthene	ND		25	2.0	ug/L		04/26/24 13:45	04/29/24 20:23	5
Fluorene	**15**	**J**	25	1.8	ug/L		04/26/24 13:45	04/29/24 20:23	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		04/26/24 13:45	04/29/24 20:23	5
Naphthalene	**470**	**E**	25	3.8	ug/L		04/26/24 13:45	04/29/24 20:23	5
Phenanthrene	**2.7**	**J**	25	2.2	ug/L		04/26/24 13:45	04/29/24 20:23	5
Pyrene	ND		25	1.7	ug/L		04/26/24 13:45	04/29/24 20:23	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*84*		*48 - 120*	*04/26/24 13:45*	*04/29/24 20:23*	*5*
Nitrobenzene-d5 (Surr)	*83*		*46 - 120*	*04/26/24 13:45*	*04/29/24 20:23*	*5*
p-Terphenyl-d14 (Surr)	*84*		*60 - 148*	*04/26/24 13:45*	*04/29/24 20:23*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**36**	**J**	100	8.2	ug/L		04/26/24 13:45	05/01/24 05:49	20
Acenaphthylene	**40**	**J**	100	7.6	ug/L		04/26/24 13:45	05/01/24 05:49	20
Anthracene	ND		100	5.6	ug/L		04/26/24 13:45	05/01/24 05:49	20
Benzo[a]anthracene	ND		100	7.2	ug/L		04/26/24 13:45	05/01/24 05:49	20
Benzo[a]pyrene	ND		100	9.4	ug/L		04/26/24 13:45	05/01/24 05:49	20
Benzo[b]fluoranthene	ND		100	6.8	ug/L		04/26/24 13:45	05/01/24 05:49	20
Benzo[g,h,i]perylene	ND		100	7.0	ug/L		04/26/24 13:45	05/01/24 05:49	20
Benzo[k]fluoranthene	ND		100	15	ug/L		04/26/24 13:45	05/01/24 05:49	20
Chrysene	ND		100	6.6	ug/L		04/26/24 13:45	05/01/24 05:49	20
Dibenz(a,h)anthracene	ND		100	8.4	ug/L		04/26/24 13:45	05/01/24 05:49	20
Fluoranthene	ND		100	8.0	ug/L		04/26/24 13:45	05/01/24 05:49	20
Fluorene	**15**	**J**	100	7.2	ug/L		04/26/24 13:45	05/01/24 05:49	20
Indeno[1,2,3-cd]pyrene	ND		100	9.4	ug/L		04/26/24 13:45	05/01/24 05:49	20
Naphthalene	**560**		100	15	ug/L		04/26/24 13:45	05/01/24 05:49	20
Phenanthrene	ND		100	8.8	ug/L		04/26/24 13:45	05/01/24 05:49	20
Pyrene	ND		100	6.8	ug/L		04/26/24 13:45	05/01/24 05:49	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*92*		*48 - 120*	*04/26/24 13:45*	*05/01/24 05:49*	*20*
Nitrobenzene-d5 (Surr)	*89*		*46 - 120*	*04/26/24 13:45*	*05/01/24 05:49*	*20*
p-Terphenyl-d14 (Surr)	*79*		*60 - 148*	*04/26/24 13:45*	*05/01/24 05:49*	*20*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.10**	**B**	0.010	0.0041	mg/L			04/29/24 23:42	1

Client Sample ID: Trip Blank
Lab Sample ID: 480-219258-11
Date Collected: 04/24/24 13:25
Matrix: Water
Date Received: 04/25/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/28/24 21:16	1
Toluene	ND		1.0	0.51	ug/L			04/28/24 21:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/28/24 21:16	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/28/24 21:16	1

Client Sample ID: Trip Blank **Lab Sample ID: 480-219258-11**
Date Collected: 04/24/24 13:25 **Matrix: Water**
Date Received: 04/25/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		1.0	0.76	ug/L			04/28/24 21:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/28/24 21:16	1
Total BTEX	ND		2.0	1.0	ug/L			04/28/24 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/28/24 21:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*04/28/24 21:16*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/28/24 21:16*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*04/28/24 21:16*	*1*

Surrogate Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-219258-1

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)
480-219258-1	MW-2(R)	99	105	100	104
480-219258-2	MW-5R(R)	100	105	102	103
480-219258-3	MW-8R	102	103	101	103
480-219258-3 MS	MW-8R-MS	103	105	100	103
480-219258-3 MSD	MW-8R-MSD	104	102	103	103
480-219258-4	MW-10R	102	104	101	102
480-219258-5	MW-11	101	103	100	102
480-219258-6	MW-12R	100	107	101	103
480-219258-7	MW-15	98	103	99	103
480-219258-8	MW-15RS	101	102	99	102
480-219258-9	MW-20R	99	104	100	104
480-219258-10	Field Duplicate	101	105	102	102
480-219258-11	Trip Blank	101	104	100	104
LCS 480-709745/6	Lab Control Sample	101	102	99	101
LCS 480-709860/7	Lab Control Sample	103	102	100	102
MB 480-709745/8	Method Blank	101	102	100	103
MB 480-709860/9	Method Blank	98	101	99	100

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	(48-120)	(46-120)	(60-148)
480-219258-1	MW-2(R)	60	66	64
480-219258-2	MW-5R(R)	84	82	90
480-219258-3	MW-8R	58	63	62
480-219258-3 MS	MW-8R-MS	73	80	72
480-219258-3 MSD	MW-8R-MSD	67	79	70
480-219258-4	MW-10R	88	71	82
480-219258-4 - DL	MW-10R	91	88	79
480-219258-5	MW-11	94	95	84
480-219258-6	MW-12R	92	91	115
480-219258-7	MW-15	87	90	75
480-219258-8	MW-15RS	75	74	86
480-219258-9	MW-20R	95	96	93
480-219258-10	Field Duplicate	84	83	84
480-219258-10 - DL	Field Duplicate	92	89	79
LCS 480-709607/2-A	Lab Control Sample	76	80	89
MB 480-709607/1-A	Method Blank	71	75	90

Surrogate Legend

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

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

Lab Sample ID: MB 480-709745/8
Matrix: Water
Analysis Batch: 709745

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/28/24 14:37	1
Toluene	ND		1.0	0.51	ug/L			04/28/24 14:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/28/24 14:37	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/28/24 14:37	1
o-Xylene	ND		1.0	0.76	ug/L			04/28/24 14:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/28/24 14:37	1
Total BTEX	ND		2.0	1.0	ug/L			04/28/24 14:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/28/24 14:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*04/28/24 14:37*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/28/24 14:37*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*04/28/24 14:37*	*1*

Lab Sample ID: LCS 480-709745/6
Matrix: Water
Analysis Batch: 709745

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	26.9		ug/L		108	71 - 124
Toluene	25.0	27.4		ug/L		110	80 - 122
Ethylbenzene	25.0	28.0		ug/L		112	77 - 123
m-Xylene & p-Xylene	25.0	27.6		ug/L		110	76 - 122
o-Xylene	25.0	26.9		ug/L		107	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

Lab Sample ID: 480-219258-3 MS
Matrix: Water
Analysis Batch: 709745

Client Sample ID: MW-8R-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	390	F1	250	622		ug/L		92	71 - 124
Toluene	ND	F1	250	275		ug/L		110	80 - 122
Ethylbenzene	9.1	J F1	250	279		ug/L		108	77 - 123
m-Xylene & p-Xylene	6.9	J F1	250	274		ug/L		107	76 - 122
o-Xylene	ND	F1	250	264		ug/L		106	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

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

Lab Sample ID: 480-219258-3 MSD
Matrix: Water
Analysis Batch: 709745

Client Sample ID: MW-8R-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	390	F1	250	648		ug/L		102	71 - 124	4	13
Toluene	ND	F1	250	291		ug/L		116	80 - 122	6	15
Ethylbenzene	9.1	J F1	250	303		ug/L		117	77 - 123	8	15
m-Xylene & p-Xylene	6.9	J F1	250	294		ug/L		115	76 - 122	7	16
o-Xylene	ND	F1	250	282		ug/L		113	76 - 122	7	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Lab Sample ID: MB 480-709860/9
Matrix: Water
Analysis Batch: 709860

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/29/24 13:28	1
Toluene	ND		1.0	0.51	ug/L			04/29/24 13:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/29/24 13:28	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/29/24 13:28	1
o-Xylene	ND		1.0	0.76	ug/L			04/29/24 13:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/29/24 13:28	1
Total BTEX	ND		2.0	1.0	ug/L			04/29/24 13:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/29/24 13:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*04/29/24 13:28*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*04/29/24 13:28*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*04/29/24 13:28*	*1*

Lab Sample ID: LCS 480-709860/7
Matrix: Water
Analysis Batch: 709860

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	27.7		ug/L		111	71 - 124
Toluene	25.0	29.2		ug/L		117	80 - 122
Ethylbenzene	25.0	29.6		ug/L		118	77 - 123
m-Xylene & p-Xylene	25.0	29.1		ug/L		116	76 - 122
o-Xylene	25.0	28.2		ug/L		113	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

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

Lab Sample ID: MB 480-709607/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 709820 **Prep Batch: 709607**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		04/26/24 13:45	04/29/24 11:35	1
Acenaphthylene	ND		5.0	0.38	ug/L		04/26/24 13:45	04/29/24 11:35	1
Anthracene	ND		5.0	0.28	ug/L		04/26/24 13:45	04/29/24 11:35	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		04/26/24 13:45	04/29/24 11:35	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		04/26/24 13:45	04/29/24 11:35	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		04/26/24 13:45	04/29/24 11:35	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		04/26/24 13:45	04/29/24 11:35	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		04/26/24 13:45	04/29/24 11:35	1
Chrysene	ND		5.0	0.33	ug/L		04/26/24 13:45	04/29/24 11:35	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		04/26/24 13:45	04/29/24 11:35	1
Fluoranthene	ND		5.0	0.40	ug/L		04/26/24 13:45	04/29/24 11:35	1
Fluorene	ND		5.0	0.36	ug/L		04/26/24 13:45	04/29/24 11:35	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		04/26/24 13:45	04/29/24 11:35	1
Naphthalene	ND		5.0	0.76	ug/L		04/26/24 13:45	04/29/24 11:35	1
Phenanthrene	ND		5.0	0.44	ug/L		04/26/24 13:45	04/29/24 11:35	1
Pyrene	ND		5.0	0.34	ug/L		04/26/24 13:45	04/29/24 11:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*48 - 120*	*04/26/24 13:45*	*04/29/24 11:35*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 120*	*04/26/24 13:45*	*04/29/24 11:35*	*1*
p-Terphenyl-d14 (Surr)	*90*		*60 - 148*	*04/26/24 13:45*	*04/29/24 11:35*	*1*

Lab Sample ID: LCS 480-709607/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 709820 **Prep Batch: 709607**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	32.0	24.9		ug/L		78	60 - 120
Acenaphthylene	32.0	23.3		ug/L		73	63 - 120
Anthracene	32.0	27.8		ug/L		87	67 - 120
Benzo[a]anthracene	32.0	28.9		ug/L		90	70 - 121
Benzo[a]pyrene	32.0	29.3		ug/L		91	60 - 123
Benzo[b]fluoranthene	32.0	28.6		ug/L		89	66 - 126
Benzo[g,h,i]perylene	32.0	27.5		ug/L		86	66 - 150
Benzo[k]fluoranthene	32.0	30.2		ug/L		94	65 - 124
Chrysene	32.0	28.0		ug/L		88	69 - 120
Dibenz(a,h)anthracene	32.0	27.6		ug/L		86	65 - 135
Fluoranthene	32.0	26.7		ug/L		83	69 - 126
Fluorene	32.0	25.7		ug/L		80	66 - 120
Indeno[1,2,3-cd]pyrene	32.0	28.8		ug/L		90	69 - 146
Naphthalene	32.0	22.1		ug/L		69	57 - 120
Phenanthrene	32.0	27.9		ug/L		87	68 - 120
Pyrene	32.0	30.3		ug/L		95	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*76*		*48 - 120*
Nitrobenzene-d5 (Surr)	*80*		*46 - 120*
p-Terphenyl-d14 (Surr)	*89*		*60 - 148*

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

Lab Sample ID: 480-219258-3 MS **Client Sample ID: MW-8R-MS**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 709820 **Prep Batch: 709607**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	9.0	J	32.0	34.6		ug/L		80	48 - 120
Acenaphthylene	4.8	J	32.0	28.3		ug/L		74	63 - 120
Anthracene	ND		32.0	29.0		ug/L		91	65 - 122
Benzo[a]anthracene	ND		32.0	28.4		ug/L		89	43 - 124
Benzo[a]pyrene	ND		32.0	27.6		ug/L		86	23 - 125
Benzo[b]fluoranthene	ND		32.0	27.5		ug/L		86	27 - 127
Benzo[g,h,i]perylene	ND		32.0	24.7	J	ug/L		77	16 - 147
Benzo[k]fluoranthene	ND		32.0	28.6		ug/L		89	20 - 124
Chrysene	ND		32.0	27.0		ug/L		84	44 - 122
Dibenz(a,h)anthracene	ND		32.0	24.1	J	ug/L		75	16 - 139
Fluoranthene	ND		32.0	27.9		ug/L		87	63 - 129
Fluorene	5.1	J	32.0	32.1		ug/L		84	62 - 120
Indeno[1,2,3-cd]pyrene	ND		32.0	25.8		ug/L		80	16 - 140
Naphthalene	30		32.0	55.2		ug/L		80	45 - 120
Phenanthrene	ND		32.0	30.4		ug/L		95	65 - 122
Pyrene	ND		32.0	30.8		ug/L		96	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*73*		*48 - 120*
Nitrobenzene-d5 (Surr)	*80*		*46 - 120*
p-Terphenyl-d14 (Surr)	*72*		*60 - 148*

Lab Sample ID: 480-219258-3 MSD **Client Sample ID: MW-8R-MSD**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 709820 **Prep Batch: 709607**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	9.0	J	32.0	32.2		ug/L		72	48 - 120	7	24
Acenaphthylene	4.8	J	32.0	26.4		ug/L		68	63 - 120	7	18
Anthracene	ND		32.0	27.5		ug/L		86	65 - 122	6	15
Benzo[a]anthracene	ND		32.0	27.2		ug/L		85	43 - 124	5	15
Benzo[a]pyrene	ND		32.0	26.3		ug/L		82	23 - 125	5	15
Benzo[b]fluoranthene	ND		32.0	26.0		ug/L		81	27 - 127	6	15
Benzo[g,h,i]perylene	ND		32.0	23.3	J	ug/L		73	16 - 147	6	15
Benzo[k]fluoranthene	ND		32.0	27.2		ug/L		85	20 - 124	5	22
Chrysene	ND		32.0	26.1		ug/L		81	44 - 122	4	15
Dibenz(a,h)anthracene	ND		32.0	22.8	J	ug/L		71	16 - 139	6	15
Fluoranthene	ND		32.0	26.7		ug/L		84	63 - 129	4	15
Fluorene	5.1	J	32.0	29.4		ug/L		76	62 - 120	9	15
Indeno[1,2,3-cd]pyrene	ND		32.0	24.4	J	ug/L		76	16 - 140	6	15
Naphthalene	30		32.0	51.8		ug/L		70	45 - 120	6	29
Phenanthrene	ND		32.0	29.3		ug/L		91	65 - 122	4	15
Pyrene	ND		32.0	30.5		ug/L		95	58 - 128	1	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*67*		*48 - 120*
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*
p-Terphenyl-d14 (Surr)	*70*		*60 - 148*

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

Lab Sample ID: MB 480-710052/103
Matrix: Water
Analysis Batch: 710052
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.00560	J	0.010	0.0041	mg/L			04/29/24 22:50	1

Lab Sample ID: MB 480-710052/117
Matrix: Water
Analysis Batch: 710052
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.00690	J	0.010	0.0041	mg/L			04/29/24 23:27	1

Lab Sample ID: MB 480-710052/173
Matrix: Water
Analysis Batch: 710052
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.00420	J	0.010	0.0041	mg/L			04/30/24 01:56	1

Lab Sample ID: MB 480-710052/75
Matrix: Water
Analysis Batch: 710052
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0041	mg/L			04/29/24 21:35	1

Lab Sample ID: HLCS 480-710052/22
Matrix: Water
Analysis Batch: 710052
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.389		mg/L		97	90 - 110

Lab Sample ID: LCS 480-710052/104
Matrix: Water
Analysis Batch: 710052
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.239		mg/L		96	90 - 110

Lab Sample ID: LCS 480-710052/118
Matrix: Water
Analysis Batch: 710052
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.242		mg/L		97	90 - 110

Lab Sample ID: LCS 480-710052/174
Matrix: Water
Analysis Batch: 710052
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.256		mg/L		102	90 - 110

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

Lab Sample ID: LCS 480-710052/76
Matrix: Water
Analysis Batch: 710052

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.250	0.239		mg/L		95	90 - 110		

Lab Sample ID: 480-219258-1 MS
Matrix: Water
Analysis Batch: 710052

Client Sample ID: MW-2(R)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	0.40	B F1	0.100	0.463	F1	mg/L		65	90 - 110		

Lab Sample ID: 480-219258-3 MS
Matrix: Water
Analysis Batch: 710052

Client Sample ID: MW-8R-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	0.0095	J F1	0.100	0.0946	F1	mg/L		85	90 - 110		

Lab Sample ID: 480-219258-3 MSD
Matrix: Water
Analysis Batch: 710052

Client Sample ID: MW-8R-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.0095	J F1	0.100	0.100		mg/L		91	90 - 110	6	15

GC/MS VOA

Analysis Batch: 709745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219258-1	MW-2(R)	Total/NA	Water	8260C	
480-219258-2	MW-5R(R)	Total/NA	Water	8260C	
480-219258-3	MW-8R	Total/NA	Water	8260C	
480-219258-4	MW-10R	Total/NA	Water	8260C	
480-219258-5	MW-11	Total/NA	Water	8260C	
480-219258-8	MW-15RS	Total/NA	Water	8260C	
480-219258-10	Field Duplicate	Total/NA	Water	8260C	
480-219258-11	Trip Blank	Total/NA	Water	8260C	
MB 480-709745/8	Method Blank	Total/NA	Water	8260C	
LCS 480-709745/6	Lab Control Sample	Total/NA	Water	8260C	
480-219258-3 MS	MW-8R-MS	Total/NA	Water	8260C	
480-219258-3 MSD	MW-8R-MSD	Total/NA	Water	8260C	

Analysis Batch: 709860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219258-6	MW-12R	Total/NA	Water	8260C	
480-219258-7	MW-15	Total/NA	Water	8260C	
480-219258-9	MW-20R	Total/NA	Water	8260C	
MB 480-709860/9	Method Blank	Total/NA	Water	8260C	
LCS 480-709860/7	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 709607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219258-1	MW-2(R)	Total/NA	Water	3510C	
480-219258-2	MW-5R(R)	Total/NA	Water	3510C	
480-219258-3	MW-8R	Total/NA	Water	3510C	
480-219258-4 - DL	MW-10R	Total/NA	Water	3510C	
480-219258-4	MW-10R	Total/NA	Water	3510C	
480-219258-5	MW-11	Total/NA	Water	3510C	
480-219258-6	MW-12R	Total/NA	Water	3510C	
480-219258-7	MW-15	Total/NA	Water	3510C	
480-219258-8	MW-15RS	Total/NA	Water	3510C	
480-219258-9	MW-20R	Total/NA	Water	3510C	
480-219258-10 - DL	Field Duplicate	Total/NA	Water	3510C	
480-219258-10	Field Duplicate	Total/NA	Water	3510C	
MB 480-709607/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-709607/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-219258-3 MS	MW-8R-MS	Total/NA	Water	3510C	
480-219258-3 MSD	MW-8R-MSD	Total/NA	Water	3510C	

Analysis Batch: 709820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219258-1	MW-2(R)	Total/NA	Water	8270D	709607
480-219258-2	MW-5R(R)	Total/NA	Water	8270D	709607
480-219258-3	MW-8R	Total/NA	Water	8270D	709607
480-219258-4	MW-10R	Total/NA	Water	8270D	709607
480-219258-5	MW-11	Total/NA	Water	8270D	709607
480-219258-6	MW-12R	Total/NA	Water	8270D	709607
480-219258-7	MW-15	Total/NA	Water	8270D	709607
480-219258-8	MW-15RS	Total/NA	Water	8270D	709607

GC/MS Semi VOA (Continued)

Analysis Batch: 709820 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219258-9	MW-20R	Total/NA	Water	8270D	709607
480-219258-10	Field Duplicate	Total/NA	Water	8270D	709607
MB 480-709607/1-A	Method Blank	Total/NA	Water	8270D	709607
LCS 480-709607/2-A	Lab Control Sample	Total/NA	Water	8270D	709607
480-219258-3 MS	MW-8R-MS	Total/NA	Water	8270D	709607
480-219258-3 MSD	MW-8R-MSD	Total/NA	Water	8270D	709607

Analysis Batch: 709982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219258-4 - DL	MW-10R	Total/NA	Water	8270D	709607
480-219258-10 - DL	Field Duplicate	Total/NA	Water	8270D	709607

General Chemistry

Analysis Batch: 710052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219258-1	MW-2(R)	Total/NA	Water	9012B	
480-219258-2	MW-5R(R)	Total/NA	Water	9012B	
480-219258-3	MW-8R	Total/NA	Water	9012B	
480-219258-4	MW-10R	Total/NA	Water	9012B	
480-219258-5	MW-11	Total/NA	Water	9012B	
480-219258-6	MW-12R	Total/NA	Water	9012B	
480-219258-7	MW-15	Total/NA	Water	9012B	
480-219258-8	MW-15RS	Total/NA	Water	9012B	
480-219258-9	MW-20R	Total/NA	Water	9012B	
480-219258-10	Field Duplicate	Total/NA	Water	9012B	
MB 480-710052/103	Method Blank	Total/NA	Water	9012B	
MB 480-710052/117	Method Blank	Total/NA	Water	9012B	
MB 480-710052/173	Method Blank	Total/NA	Water	9012B	
MB 480-710052/75	Method Blank	Total/NA	Water	9012B	
HLCS 480-710052/22	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-710052/104	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-710052/118	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-710052/174	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-710052/76	Lab Control Sample	Total/NA	Water	9012B	
480-219258-1 MS	MW-2(R)	Total/NA	Water	9012B	
480-219258-3 MS	MW-8R-MS	Total/NA	Water	9012B	
480-219258-3 MSD	MW-8R-MSD	Total/NA	Water	9012B	

Lab Chronicle

Client Sample ID: MW-2(R)
Lab Sample ID: 480-219258-1
Date Collected: 04/24/24 13:25
Matrix: Water
Date Received: 04/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	709745	AXK	EET BUF	04/28/24 17:35
Total/NA	Prep	3510C			709607	LSC	EET BUF	04/26/24 13:45
Total/NA	Analysis	8270D		10	709820	JMM	EET BUF	04/29/24 16:42
Total/NA	Analysis	9012B		1	710052	GW	EET BUF	04/29/24 22:54

Client Sample ID: MW-5R(R)
Lab Sample ID: 480-219258-2
Date Collected: 04/24/24 13:20
Matrix: Water
Date Received: 04/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	709745	AXK	EET BUF	04/28/24 17:57
Total/NA	Prep	3510C			709607	LSC	EET BUF	04/26/24 13:45
Total/NA	Analysis	8270D		1	709820	JMM	EET BUF	04/29/24 17:09
Total/NA	Analysis	9012B		1	710052	GW	EET BUF	04/29/24 22:59

Client Sample ID: MW-8R
Lab Sample ID: 480-219258-3
Date Collected: 04/24/24 12:20
Matrix: Water
Date Received: 04/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	709745	AXK	EET BUF	04/28/24 18:19
Total/NA	Prep	3510C			709607	LSC	EET BUF	04/26/24 13:45
Total/NA	Analysis	8270D		5	709820	JMM	EET BUF	04/29/24 13:27
Total/NA	Analysis	9012B		1	710052	GW	EET BUF	04/29/24 22:12

Client Sample ID: MW-10R
Lab Sample ID: 480-219258-4
Date Collected: 04/24/24 11:25
Matrix: Water
Date Received: 04/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		40	709745	AXK	EET BUF	04/28/24 18:41
Total/NA	Prep	3510C			709607	LSC	EET BUF	04/26/24 13:45
Total/NA	Analysis	8270D		1	709820	JMM	EET BUF	04/29/24 17:37
Total/NA	Prep	3510C	DL		709607	LSC	EET BUF	04/26/24 13:45
Total/NA	Analysis	8270D	DL	20	709982	JMM	EET BUF	05/01/24 05:21
Total/NA	Analysis	9012B		1	710052	GW	EET BUF	04/29/24 23:02

Client Sample ID: MW-11
Lab Sample ID: 480-219258-5
Date Collected: 04/24/24 12:25
Matrix: Water
Date Received: 04/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	709745	AXK	EET BUF	04/28/24 19:03
Total/NA	Prep	3510C			709607	LSC	EET BUF	04/26/24 13:45
Total/NA	Analysis	8270D		1	709820	JMM	EET BUF	04/29/24 18:05
Total/NA	Analysis	9012B		1	710052	GW	EET BUF	04/29/24 23:05

Lab Chronicle

Client Sample ID: MW-12R
Lab Sample ID: 480-219258-6
Date Collected: 04/24/24 11:30
Matrix: Water
Date Received: 04/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		40	709860	AXK	EET BUF	04/29/24 15:39
Total/NA	Prep	3510C			709607	LSC	EET BUF	04/26/24 13:45
Total/NA	Analysis	8270D		1	709820	JMM	EET BUF	04/29/24 18:32
Total/NA	Analysis	9012B		1	710052	GW	EET BUF	04/29/24 23:07

Client Sample ID: MW-15
Lab Sample ID: 480-219258-7
Date Collected: 04/24/24 14:00
Matrix: Water
Date Received: 04/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	709860	AXK	EET BUF	04/29/24 16:01
Total/NA	Prep	3510C			709607	LSC	EET BUF	04/26/24 13:45
Total/NA	Analysis	8270D		1	709820	JMM	EET BUF	04/29/24 19:00
Total/NA	Analysis	9012B		1	710052	GW	EET BUF	04/29/24 23:10

Client Sample ID: MW-15RS
Lab Sample ID: 480-219258-8
Date Collected: 04/24/24 13:15
Matrix: Water
Date Received: 04/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	709745	AXK	EET BUF	04/28/24 20:10
Total/NA	Prep	3510C			709607	LSC	EET BUF	04/26/24 13:45
Total/NA	Analysis	8270D		5	709820	JMM	EET BUF	04/29/24 19:28
Total/NA	Analysis	9012B		1	710052	GW	EET BUF	04/29/24 23:13

Client Sample ID: MW-20R
Lab Sample ID: 480-219258-9
Date Collected: 04/24/24 12:05
Matrix: Water
Date Received: 04/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	709860	AXK	EET BUF	04/29/24 16:24
Total/NA	Prep	3510C			709607	LSC	EET BUF	04/26/24 13:45
Total/NA	Analysis	8270D		1	709820	JMM	EET BUF	04/29/24 19:56
Total/NA	Analysis	9012B		1	710052	GW	EET BUF	04/29/24 23:39

Client Sample ID: Field Duplicate
Lab Sample ID: 480-219258-10
Date Collected: 04/24/24 00:00
Matrix: Water
Date Received: 04/25/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		40	709745	AXK	EET BUF	04/28/24 20:54
Total/NA	Prep	3510C			709607	LSC	EET BUF	04/26/24 13:45
Total/NA	Analysis	8270D		5	709820	JMM	EET BUF	04/29/24 20:23
Total/NA	Prep	3510C	DL		709607	LSC	EET BUF	04/26/24 13:45
Total/NA	Analysis	8270D	DL	20	709982	JMM	EET BUF	05/01/24 05:49
Total/NA	Analysis	9012B		1	710052	GW	EET BUF	04/29/24 23:42

Lab Chronicle

Client Sample ID: Trip Blank
Date Collected: 04/24/24 13:25
Date Received: 04/25/24 10:30

Lab Sample ID: 480-219258-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	709745	AXK	EET BUF	04/28/24 21:16

Laboratory References:

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

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-219258-1

Laboratory: Eurofins Buffalo

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

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Total BTEX

Method Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-219258-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Groundwater & Environmental Services Inc
Job ID: 480-219258-1
Project/Site:

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-219258-1	MW-2(R)	Water	04/24/24 13:25	04/25/24 10:30
480-219258-2	MW-5R(R)	Water	04/24/24 13:20	04/25/24 10:30
480-219258-3	MW-8R	Water	04/24/24 12:20	04/25/24 10:30
480-219258-4	MW-10R	Water	04/24/24 11:25	04/25/24 10:30
480-219258-5	MW-11	Water	04/24/24 12:25	04/25/24 10:30
480-219258-6	MW-12R	Water	04/24/24 11:30	04/25/24 10:30
480-219258-7	MW-15	Water	04/24/24 14:00	04/25/24 10:30
480-219258-8	MW-15RS	Water	04/24/24 13:15	04/25/24 10:30
480-219258-9	MW-20R	Water	04/24/24 12:05	04/25/24 10:30
480-219258-10	Field Duplicate	Water	04/24/24 00:00	04/25/24 10:30
480-219258-11	Trip Blank	Water	04/24/24 13:25	04/25/24 10:30

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

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Syracuse

#225

Client Information	Sampler: Greg Ernst	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-192898-40378.1
Client Contact: Tim Beaumont	Phone:	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Groundwater & Environmental Services Inc	PWSID:	Analysis Requested		Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			
City: East Syracuse	TAT Requested (days): Standard			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0603400-136690-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Ogdensburg Semi-Annual GW Event Desc: Ogdensburg Semi-A	Project #: 48027231			
Site: Ogdensburg Semi-Annual GWS	SSOW#:			

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

480-219258 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)	9012B_NP - Cyanide, Total	8270D - PAH Semivolatiles	8260C - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				B	N	A		
MW-2(R)	4/24/24	13:25	G	Water			1	2	3	6	
MW-5R(R)		13:20	G	Water			1	2	3	6	
MW-8R		12:20	G	Water			1	2	3	6	
MW-8R-MS		12:20	G	Water			1	2	3	6	
MW-8R-MSD		12:20	G	Water			1	2	3	6	
~~MW-9~~			G	Water			1	2	3	6	
MW-10R		11:25	G	Water			1	2	3	6	
MW-11		12:25	G	Water			1	2	3	6	
MW-12R		12:30	G	Water			1	2	3	6	
~~MW-14R~~			G	Water			1	2	3	6	
MW-15		14:00	G	Water			1	2	3	6	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/24/24 1645	GES		4/24/24 1645	ES-SYR
2	Relinquished by:	Date/Time: 4.24.24, 1905	Company	Received by:	Date/Time: 4/25/24 1030	Company TGB
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: #1 2.7, 3.1

Ver: 01/16/2019

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

Chain of Custody Record

eurofins Environment Testing

Syracuse #225

Client Information	Sampler: Greg Ernst	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-192898-40378.2
Client Contact: Tim Beaumont	Phone:	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: Groundwater & Environmental Services Inc	PWSID:			Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			
City: East Syracuse	TAT Requested (days): Standard			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0603400-136690-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Ogdensburg Semi-Annual GW Event Desc: Ogdensburg Semi-A	Project #: 48027231			
Site: Ogdensburg Semi-Annual GWS	SSOW#:			

Analysis Requested

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)	9012B_NP - Cyanide, Total	8270D - PAH Semivolatiles	8260C - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				B	N	A		
MW-15RS	4/24/24	13:15	G	Water			1	2	3	6	
~~MW-17R~~			G	Water			1	2	3	6	
~~MW-19R~~			G	Water			1	2	3	6	
MW-20R	4/24/24	12:05	G	Water			1	2	3	6	
Field Duplicate		—	G	Water			1	2	3	6	
Trip Blank	4/24/24	13:25		Water					2	2	

RE 4-24-24

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

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) CAT B DELIVERY

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	4/24/24 1645	GES	[signature]	4/24/24 1645	ES-SYR
R. English	4-24-24, 1900	Syr	L. Wallace	4/25/24 1030	TAB

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

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-219258-1

Login Number: 219258
List Number: 1
Creator: Kolb, Chris M

List Source: Eurofins Buffalo

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Tim Beaumont
Groundwater & Environmental Services Inc
6780 Northern Boulevard
Suite 100
East Syracuse, New York 13057

Generated 10/31/2024 11:24:24 AM

JOB DESCRIPTION

Ogdensburg Semi-Annual GWS

JOB NUMBER

480-224744-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

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

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.

Authorization

Generated
10/31/2024 11:24:24 AM

Authorized for release by
Wyatt Watson, Project Management Assistant I
Wyatt.Watson@et.eurofinsus.com
Designee for
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
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.

Glossary

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

Job ID: 480-224744-1 Eurofins Buffalo

Job Narrative
480-224744-1

Receipt
The samples were received on 10/24/2024 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.1º C and 2.7º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-9 (480-224744-5) and MW-12R (480-224744-8). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-2(R) (480-224744-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-5R(R) (480-224744-3), MW-8R (480-224744-4), MW-8R-MS (480-224744-4[MS]), MW-8R-MSD (480-224744-4[MSD]), MW-10R (480-224744-6) and Field Duplicate (480-224744-15). 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.

GC/MS Semi VOA
Method 8270D: The following samples were diluted due to color, appearance, and viscosity: MW-2(R) (480-224744-2), MW-5R(R) (480-224744-3), MW-8R (480-224744-4), MW-8R-MS (480-224744-4[MS]), MW-8R-MSD (480-224744-4[MSD]), MW-9 (480-224744-5), MW-10R (480-224744-6) and MW-12R (480-224744-8). Elevated reporting limits (RL) are provided.

Method 8270D: The following samples required a dilution due to the nature of the sample matrix: MW-2(R) (480-224744-2), MW-5R(R) (480-224744-3) and MW-10R (480-224744-6). 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: Field Duplicate (480-224744-15). Elevated reporting limits (RLs) are provided.

Method 8270D: The following sample required a dilution due to the abundance of target analytes: Field Duplicate (480-224744-15). 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.

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

General Chemistry
Method 9012B: The following samples tested positive for sulfide, so samples and QC (including curve) were treated with bismuth (III) nitrate pentahydrate until treated sample volumes tested negative for sulfide via lead acetate test strip: MW-12R (480-224744-8) and MW-15RS (480-224744-11).

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: Groundwater & Environmental Services Inc | Job ID: 480-224744-1

Client Sample ID: Trip Blank | Lab Sample ID: 480-224744-1

No Detections.

Client Sample ID: MW-2(R) | Lab Sample ID: 480-224744-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	23		4.0	1.6	ug/L	4		8260C	Total/NA
Toluene	9.9		4.0	2.0	ug/L	4		8260C	Total/NA
m-Xylene & p-Xylene	5.4	J	8.0	2.6	ug/L	4		8260C	Total/NA
Xylenes, Total	5.4	J	8.0	2.6	ug/L	4		8260C	Total/NA
Total BTEX	38		8.0	4.0	ug/L	4		8260C	Total/NA
Acenaphthylene	15	J	100	7.6	ug/L	20		8270D	Total/NA
Fluorene	7.9	J	100	7.2	ug/L	20		8270D	Total/NA
Naphthalene	230		100	15	ug/L	20		8270D	Total/NA
Cyanide, Total	1.4		0.050	0.021	mg/L	5		9012B	Total/NA

Client Sample ID: MW-5R(R) | Lab Sample ID: 480-224744-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	580		10	4.1	ug/L	10		8260C	Total/NA
Toluene	15		10	5.1	ug/L	10		8260C	Total/NA
Ethylbenzene	35		10	7.4	ug/L	10		8260C	Total/NA
m-Xylene & p-Xylene	26		20	6.6	ug/L	10		8260C	Total/NA
o-Xylene	22		10	7.6	ug/L	10		8260C	Total/NA
Xylenes, Total	48		20	6.6	ug/L	10		8260C	Total/NA
Total BTEX	680		20	10	ug/L	10		8260C	Total/NA
Acenaphthene	94	J	100	8.2	ug/L	20		8270D	Total/NA
Acenaphthylene	7.6	J	100	7.6	ug/L	20		8270D	Total/NA
Fluorene	38	J	100	7.2	ug/L	20		8270D	Total/NA
Naphthalene	270		100	15	ug/L	20		8270D	Total/NA
Phenanthrene	28	J	100	8.8	ug/L	20		8270D	Total/NA
Cyanide, Total	0.061		0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-8R | Lab Sample ID: 480-224744-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	860		20	8.2	ug/L	20		8260C	Total/NA
Toluene	54		20	10	ug/L	20		8260C	Total/NA
Ethylbenzene	24		20	15	ug/L	20		8260C	Total/NA
m-Xylene & p-Xylene	33	J	40	13	ug/L	20		8260C	Total/NA
o-Xylene	15	J	20	15	ug/L	20		8260C	Total/NA
Xylenes, Total	48		40	13	ug/L	20		8260C	Total/NA
Total BTEX	990		40	20	ug/L	20		8260C	Total/NA
Acenaphthene	13	J	25	2.1	ug/L	5		8270D	Total/NA
Acenaphthylene	9.2	J	25	1.9	ug/L	5		8270D	Total/NA
Anthracene	2.1	J	25	1.4	ug/L	5		8270D	Total/NA
Fluoranthene	3.1	J	25	2.0	ug/L	5		8270D	Total/NA
Fluorene	9.1	J	25	1.8	ug/L	5		8270D	Total/NA
Naphthalene	90	F1	25	3.8	ug/L	5		8270D	Total/NA
Phenanthrene	6.4	J	25	2.2	ug/L	5		8270D	Total/NA
Pyrene	2.7	J	25	1.7	ug/L	5		8270D	Total/NA
Cyanide, Total	0.084		0.010	0.0041	mg/L	1		9012B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-224744-1

Client Sample ID: MW-9 | Lab Sample ID: 480-224744-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	160		2.0	0.82	ug/L	2		8260C	Total/NA
Toluene	9.5		2.0	1.0	ug/L	2		8260C	Total/NA
Ethylbenzene	68		2.0	1.5	ug/L	2		8260C	Total/NA
m-Xylene & p-Xylene	8.4		4.0	1.3	ug/L	2		8260C	Total/NA
o-Xylene	33		2.0	1.5	ug/L	2		8260C	Total/NA
Xylenes, Total	41		4.0	1.3	ug/L	2		8260C	Total/NA
Total BTEX	280		4.0	2.0	ug/L	2		8260C	Total/NA
Acenaphthene	45		25	2.1	ug/L	5		8270D	Total/NA
Acenaphthylene	17	J	25	1.9	ug/L	5		8270D	Total/NA
Anthracene	8.8	J	25	1.4	ug/L	5		8270D	Total/NA
Benzo[a]anthracene	3.1	J	25	1.8	ug/L	5		8270D	Total/NA
Benzo[b]fluoranthene	2.5	J	25	1.7	ug/L	5		8270D	Total/NA
Chrysene	2.6	J	25	1.7	ug/L	5		8270D	Total/NA
Fluoranthene	9.8	J	25	2.0	ug/L	5		8270D	Total/NA
Fluorene	34		25	1.8	ug/L	5		8270D	Total/NA
Naphthalene	5.4	J	25	3.8	ug/L	5		8270D	Total/NA
Phenanthrene	31		25	2.2	ug/L	5		8270D	Total/NA
Pyrene	7.9	J	25	1.7	ug/L	5		8270D	Total/NA
Cyanide, Total	4.4		0.10	0.041	mg/L	10		9012B	Total/NA

Client Sample ID: MW-10R | Lab Sample ID: 480-224744-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2700		40	16	ug/L	40		8260C	Total/NA
Toluene	360		40	20	ug/L	40		8260C	Total/NA
Ethylbenzene	190		40	30	ug/L	40		8260C	Total/NA
m-Xylene & p-Xylene	180		80	26	ug/L	40		8260C	Total/NA
o-Xylene	97		40	30	ug/L	40		8260C	Total/NA
Xylenes, Total	280		80	26	ug/L	40		8260C	Total/NA
Total BTEX	3500		80	40	ug/L	40		8260C	Total/NA
Acenaphthene	44	J	250	21	ug/L	50		8270D	Total/NA
Acenaphthylene	49	J	250	19	ug/L	50		8270D	Total/NA
Fluorene	20	J	250	18	ug/L	50		8270D	Total/NA
Naphthalene	770		250	38	ug/L	50		8270D	Total/NA
Cyanide, Total	0.14		0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-11 | Lab Sample ID: 480-224744-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.55	J	5.0	0.36	ug/L	1		8270D	Total/NA
Benzo[a]pyrene	0.77	J	5.0	0.47	ug/L	1		8270D	Total/NA
Benzo[b]fluoranthene	0.71	J	5.0	0.34	ug/L	1		8270D	Total/NA
Benzo[g,h,i]perylene	0.48	J	5.0	0.35	ug/L	1		8270D	Total/NA
Chrysene	0.51	J	5.0	0.33	ug/L	1		8270D	Total/NA
Fluoranthene	0.53	J	5.0	0.40	ug/L	1		8270D	Total/NA
Pyrene	0.61	J	5.0	0.34	ug/L	1		8270D	Total/NA
Cyanide, Total	0.16		0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-12R | Lab Sample ID: 480-224744-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2200		40	16	ug/L	40		8260C	Total/NA
Ethylbenzene	80		40	30	ug/L	40		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-12R (Continued) Lab Sample ID: 480-224744-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	30	J	40	30	ug/L	40		8260C	Total/NA
Xylenes, Total	30	J	80	26	ug/L	40		8260C	Total/NA
Total BTEX	2300		80	40	ug/L	40		8260C	Total/NA
Acenaphthylene	2.3	J	25	1.9	ug/L	5		8270D	Total/NA
Naphthalene	15	J	25	3.8	ug/L	5		8270D	Total/NA
Cyanide, Total	0.016		0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-14R Lab Sample ID: 480-224744-9

No Detections.

Client Sample ID: MW-15 Lab Sample ID: 480-224744-10

No Detections.

Client Sample ID: MW-15RS Lab Sample ID: 480-224744-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.047		0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-17R Lab Sample ID: 480-224744-12

No Detections.

Client Sample ID: MW-19R Lab Sample ID: 480-224744-13

No Detections.

Client Sample ID: MW-20R Lab Sample ID: 480-224744-14

No Detections.

Client Sample ID: Field Duplicate Lab Sample ID: 480-224744-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2700		40	16	ug/L	40		8260C	Total/NA
Toluene	350		40	20	ug/L	40		8260C	Total/NA
Ethylbenzene	180		40	30	ug/L	40		8260C	Total/NA
m-Xylene & p-Xylene	170		80	26	ug/L	40		8260C	Total/NA
o-Xylene	94		40	30	ug/L	40		8260C	Total/NA
Xylenes, Total	260		80	26	ug/L	40		8260C	Total/NA
Total BTEX	3500		80	40	ug/L	40		8260C	Total/NA
Acenaphthene	49		5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	62		5.0	0.38	ug/L	1		8270D	Total/NA
Anthracene	1.6	J	5.0	0.28	ug/L	1		8270D	Total/NA
Fluorene	19		5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	390	E	5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	3.6	J	5.0	0.44	ug/L	1		8270D	Total/NA
Acenaphthene - DL	48	J	250	21	ug/L	50		8270D	Total/NA
Acenaphthylene - DL	55	J	250	19	ug/L	50		8270D	Total/NA
Fluorene - DL	22	J	250	18	ug/L	50		8270D	Total/NA
Naphthalene - DL	690		250	38	ug/L	50		8270D	Total/NA
Cyanide, Total	0.13		0.010	0.0041	mg/L	1		9012B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Trip Blank
Lab Sample ID: 480-224744-1
Date Collected: 10/23/24 13:45
Matrix: Water
Date Received: 10/24/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/27/24 05:51	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 05:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 05:51	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/27/24 05:51	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 05:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/27/24 05:51	1
Total BTEX	ND		2.0	1.0	ug/L			10/27/24 05:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/27/24 05:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*10/27/24 05:51*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/27/24 05:51*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*10/27/24 05:51*	*1*

Client Sample ID: MW-2(R)
Lab Sample ID: 480-224744-2
Date Collected: 10/23/24 10:40
Matrix: Water
Date Received: 10/24/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**23**		4.0	1.6	ug/L			10/27/24 06:13	4
Toluene	**9.9**		4.0	2.0	ug/L			10/27/24 06:13	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/27/24 06:13	4
m-Xylene & p-Xylene	**5.4**	**J**	8.0	2.6	ug/L			10/27/24 06:13	4
o-Xylene	ND		4.0	3.0	ug/L			10/27/24 06:13	4
Xylenes, Total	**5.4**	**J**	8.0	2.6	ug/L			10/27/24 06:13	4
Total BTEX	**38**		8.0	4.0	ug/L			10/27/24 06:13	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/27/24 06:13*	*4*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*10/27/24 06:13*	*4*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*10/27/24 06:13*	*4*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*10/27/24 06:13*	*4*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		100	8.2	ug/L		10/24/24 14:02	10/26/24 16:40	20
Acenaphthylene	**15**	**J**	100	7.6	ug/L		10/24/24 14:02	10/26/24 16:40	20
Anthracene	ND		100	5.6	ug/L		10/24/24 14:02	10/26/24 16:40	20
Benzo[a]anthracene	ND		100	7.2	ug/L		10/24/24 14:02	10/26/24 16:40	20
Benzo[a]pyrene	ND		100	9.4	ug/L		10/24/24 14:02	10/26/24 16:40	20
Benzo[b]fluoranthene	ND		100	6.8	ug/L		10/24/24 14:02	10/26/24 16:40	20
Benzo[g,h,i]perylene	ND		100	7.0	ug/L		10/24/24 14:02	10/26/24 16:40	20
Benzo[k]fluoranthene	ND		100	15	ug/L		10/24/24 14:02	10/26/24 16:40	20
Chrysene	ND		100	6.6	ug/L		10/24/24 14:02	10/26/24 16:40	20
Dibenz(a,h)anthracene	ND		100	8.4	ug/L		10/24/24 14:02	10/26/24 16:40	20
Fluoranthene	ND		100	8.0	ug/L		10/24/24 14:02	10/26/24 16:40	20
Fluorene	**7.9**	**J**	100	7.2	ug/L		10/24/24 14:02	10/26/24 16:40	20
Indeno[1,2,3-cd]pyrene	ND		100	9.4	ug/L		10/24/24 14:02	10/26/24 16:40	20
Naphthalene	**230**		100	15	ug/L		10/24/24 14:02	10/26/24 16:40	20
Phenanthrene	ND		100	8.8	ug/L		10/24/24 14:02	10/26/24 16:40	20
Pyrene	ND		100	6.8	ug/L		10/24/24 14:02	10/26/24 16:40	20

Client Sample ID: MW-2(R)
Lab Sample ID: 480-224744-2
Date Collected: 10/23/24 10:40
Matrix: Water
Date Received: 10/24/24 10:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	90		53 - 126	10/24/24 14:02	10/26/24 16:40	20
Nitrobenzene-d5 (Surr)	105		29 - 129	10/24/24 14:02	10/26/24 16:40	20
p-Terphenyl-d14 (Surr)	83		33 - 132	10/24/24 14:02	10/26/24 16:40	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	1.4		0.050	0.021	mg/L			10/29/24 13:12	5

Client Sample ID: MW-5R(R)
Lab Sample ID: 480-224744-3
Date Collected: 10/23/24 11:45
Matrix: Water
Date Received: 10/24/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	580		10	4.1	ug/L			10/27/24 17:07	10
Toluene	15		10	5.1	ug/L			10/27/24 17:07	10
Ethylbenzene	35		10	7.4	ug/L			10/27/24 17:07	10
m-Xylene & p-Xylene	26		20	6.6	ug/L			10/27/24 17:07	10
o-Xylene	22		10	7.6	ug/L			10/27/24 17:07	10
Xylenes, Total	48		20	6.6	ug/L			10/27/24 17:07	10
Total BTEX	680		20	10	ug/L			10/27/24 17:07	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		10/27/24 17:07	10
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		10/27/24 17:07	10
4-Bromofluorobenzene (Surr)	109		73 - 120		10/27/24 17:07	10
Dibromofluoromethane (Surr)	113		75 - 123		10/27/24 17:07	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	94	J	100	8.2	ug/L		10/24/24 14:02	10/26/24 17:08	20
Acenaphthylene	7.6	J	100	7.6	ug/L		10/24/24 14:02	10/26/24 17:08	20
Anthracene	ND		100	5.6	ug/L		10/24/24 14:02	10/26/24 17:08	20
Benzo[a]anthracene	ND		100	7.2	ug/L		10/24/24 14:02	10/26/24 17:08	20
Benzo[a]pyrene	ND		100	9.4	ug/L		10/24/24 14:02	10/26/24 17:08	20
Benzo[b]fluoranthene	ND		100	6.8	ug/L		10/24/24 14:02	10/26/24 17:08	20
Benzo[g,h,i]perylene	ND		100	7.0	ug/L		10/24/24 14:02	10/26/24 17:08	20
Benzo[k]fluoranthene	ND		100	15	ug/L		10/24/24 14:02	10/26/24 17:08	20
Chrysene	ND		100	6.6	ug/L		10/24/24 14:02	10/26/24 17:08	20
Dibenz(a,h)anthracene	ND		100	8.4	ug/L		10/24/24 14:02	10/26/24 17:08	20
Fluoranthene	ND		100	8.0	ug/L		10/24/24 14:02	10/26/24 17:08	20
Fluorene	38	J	100	7.2	ug/L		10/24/24 14:02	10/26/24 17:08	20
Indeno[1,2,3-cd]pyrene	ND		100	9.4	ug/L		10/24/24 14:02	10/26/24 17:08	20
Naphthalene	270		100	15	ug/L		10/24/24 14:02	10/26/24 17:08	20
Phenanthrene	28	J	100	8.8	ug/L		10/24/24 14:02	10/26/24 17:08	20
Pyrene	ND		100	6.8	ug/L		10/24/24 14:02	10/26/24 17:08	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	86		53 - 126	10/24/24 14:02	10/26/24 17:08	20
Nitrobenzene-d5 (Surr)	103		29 - 129	10/24/24 14:02	10/26/24 17:08	20
p-Terphenyl-d14 (Surr)	67		33 - 132	10/24/24 14:02	10/26/24 17:08	20

Client Sample ID: MW-5R(R)
Lab Sample ID: 480-224744-3
Date Collected: 10/23/24 11:45
Matrix: Water
Date Received: 10/24/24 10:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.061		0.010	0.0041	mg/L			10/28/24 11:00	1

Client Sample ID: MW-8R
Lab Sample ID: 480-224744-4
Date Collected: 10/23/24 13:20
Matrix: Water
Date Received: 10/24/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	860		20	8.2	ug/L			10/27/24 17:29	20
Toluene	54		20	10	ug/L			10/27/24 17:29	20
Ethylbenzene	24		20	15	ug/L			10/27/24 17:29	20
m-Xylene & p-Xylene	33	J	40	13	ug/L			10/27/24 17:29	20
o-Xylene	15	J	20	15	ug/L			10/27/24 17:29	20
Xylenes, Total	48		40	13	ug/L			10/27/24 17:29	20
Total BTEX	990		40	20	ug/L			10/27/24 17:29	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/27/24 17:29*	*20*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*10/27/24 17:29*	*20*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*10/27/24 17:29*	*20*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*10/27/24 17:29*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	13	J	25	2.1	ug/L		10/24/24 14:02	10/26/24 13:29	5
Acenaphthylene	9.2	J	25	1.9	ug/L		10/24/24 14:02	10/26/24 13:29	5
Anthracene	2.1	J	25	1.4	ug/L		10/24/24 14:02	10/26/24 13:29	5
Benzo[a]anthracene	ND		25	1.8	ug/L		10/24/24 14:02	10/26/24 13:29	5
Benzo[a]pyrene	ND		25	2.4	ug/L		10/24/24 14:02	10/26/24 13:29	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		10/24/24 14:02	10/26/24 13:29	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		10/24/24 14:02	10/26/24 13:29	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		10/24/24 14:02	10/26/24 13:29	5
Chrysene	ND		25	1.7	ug/L		10/24/24 14:02	10/26/24 13:29	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		10/24/24 14:02	10/26/24 13:29	5
Fluoranthene	3.1	J	25	2.0	ug/L		10/24/24 14:02	10/26/24 13:29	5
Fluorene	9.1	J	25	1.8	ug/L		10/24/24 14:02	10/26/24 13:29	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		10/24/24 14:02	10/26/24 13:29	5
Naphthalene	90	F1	25	3.8	ug/L		10/24/24 14:02	10/26/24 13:29	5
Phenanthrene	6.4	J	25	2.2	ug/L		10/24/24 14:02	10/26/24 13:29	5
Pyrene	2.7	J	25	1.7	ug/L		10/24/24 14:02	10/26/24 13:29	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*69*		*53 - 126*	*10/24/24 14:02*	*10/26/24 13:29*	*5*
Nitrobenzene-d5 (Surr)	*76*		*29 - 129*	*10/24/24 14:02*	*10/26/24 13:29*	*5*
p-Terphenyl-d14 (Surr)	*70*		*33 - 132*	*10/24/24 14:02*	*10/26/24 13:29*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.084		0.010	0.0041	mg/L			10/28/24 11:24	1

Client Sample ID: MW-9
Lab Sample ID: 480-224744-5
Date Collected: 10/23/24 13:25
Matrix: Water
Date Received: 10/24/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	160		2.0	0.82	ug/L			10/27/24 07:19	2
Toluene	9.5		2.0	1.0	ug/L			10/27/24 07:19	2
Ethylbenzene	68		2.0	1.5	ug/L			10/27/24 07:19	2
m-Xylene & p-Xylene	8.4		4.0	1.3	ug/L			10/27/24 07:19	2
o-Xylene	33		2.0	1.5	ug/L			10/27/24 07:19	2
Xylenes, Total	41		4.0	1.3	ug/L			10/27/24 07:19	2
Total BTEX	280		4.0	2.0	ug/L			10/27/24 07:19	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/27/24 07:19*	*2*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/27/24 07:19*	*2*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*10/27/24 07:19*	*2*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*10/27/24 07:19*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	45		25	2.1	ug/L		10/24/24 14:02	10/26/24 17:35	5
Acenaphthylene	17	J	25	1.9	ug/L		10/24/24 14:02	10/26/24 17:35	5
Anthracene	8.8	J	25	1.4	ug/L		10/24/24 14:02	10/26/24 17:35	5
Benzo[a]anthracene	3.1	J	25	1.8	ug/L		10/24/24 14:02	10/26/24 17:35	5
Benzo[a]pyrene	ND		25	2.4	ug/L		10/24/24 14:02	10/26/24 17:35	5
Benzo[b]fluoranthene	2.5	J	25	1.7	ug/L		10/24/24 14:02	10/26/24 17:35	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		10/24/24 14:02	10/26/24 17:35	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		10/24/24 14:02	10/26/24 17:35	5
Chrysene	2.6	J	25	1.7	ug/L		10/24/24 14:02	10/26/24 17:35	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		10/24/24 14:02	10/26/24 17:35	5
Fluoranthene	9.8	J	25	2.0	ug/L		10/24/24 14:02	10/26/24 17:35	5
Fluorene	34		25	1.8	ug/L		10/24/24 14:02	10/26/24 17:35	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		10/24/24 14:02	10/26/24 17:35	5
Naphthalene	5.4	J	25	3.8	ug/L		10/24/24 14:02	10/26/24 17:35	5
Phenanthrene	31		25	2.2	ug/L		10/24/24 14:02	10/26/24 17:35	5
Pyrene	7.9	J	25	1.7	ug/L		10/24/24 14:02	10/26/24 17:35	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*75*		*53 - 126*	*10/24/24 14:02*	*10/26/24 17:35*	*5*
Nitrobenzene-d5 (Surr)	*85*		*29 - 129*	*10/24/24 14:02*	*10/26/24 17:35*	*5*
p-Terphenyl-d14 (Surr)	*70*		*33 - 132*	*10/24/24 14:02*	*10/26/24 17:35*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	4.4		0.10	0.041	mg/L			10/29/24 13:22	10

Client Sample ID: MW-10R
Lab Sample ID: 480-224744-6
Date Collected: 10/23/24 13:00
Matrix: Water
Date Received: 10/24/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2700		40	16	ug/L			10/27/24 17:51	40
Toluene	360		40	20	ug/L			10/27/24 17:51	40
Ethylbenzene	190		40	30	ug/L			10/27/24 17:51	40
m-Xylene & p-Xylene	180		80	26	ug/L			10/27/24 17:51	40

Client Sample ID: MW-10R | Lab Sample ID: 480-224744-6

Date Collected: 10/23/24 13:00 | **Matrix: Water**

Date Received: 10/24/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	97		40	30	ug/L			10/27/24 17:51	40
Xylenes, Total	280		80	26	ug/L			10/27/24 17:51	40
Total BTEX	3500		80	40	ug/L			10/27/24 17:51	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/27/24 17:51*	*40*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*10/27/24 17:51*	*40*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*10/27/24 17:51*	*40*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*10/27/24 17:51*	*40*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	44	J	250	21	ug/L		10/24/24 14:02	10/26/24 18:03	50
Acenaphthylene	49	J	250	19	ug/L		10/24/24 14:02	10/26/24 18:03	50
Anthracene	ND		250	14	ug/L		10/24/24 14:02	10/26/24 18:03	50
Benzo[a]anthracene	ND		250	18	ug/L		10/24/24 14:02	10/26/24 18:03	50
Benzo[a]pyrene	ND		250	24	ug/L		10/24/24 14:02	10/26/24 18:03	50
Benzo[b]fluoranthene	ND		250	17	ug/L		10/24/24 14:02	10/26/24 18:03	50
Benzo[g,h,i]perylene	ND		250	18	ug/L		10/24/24 14:02	10/26/24 18:03	50
Benzo[k]fluoranthene	ND		250	37	ug/L		10/24/24 14:02	10/26/24 18:03	50
Chrysene	ND		250	17	ug/L		10/24/24 14:02	10/26/24 18:03	50
Dibenz(a,h)anthracene	ND		250	21	ug/L		10/24/24 14:02	10/26/24 18:03	50
Fluoranthene	ND		250	20	ug/L		10/24/24 14:02	10/26/24 18:03	50
Fluorene	20	J	250	18	ug/L		10/24/24 14:02	10/26/24 18:03	50
Indeno[1,2,3-cd]pyrene	ND		250	24	ug/L		10/24/24 14:02	10/26/24 18:03	50
Naphthalene	770		250	38	ug/L		10/24/24 14:02	10/26/24 18:03	50
Phenanthrene	ND		250	22	ug/L		10/24/24 14:02	10/26/24 18:03	50
Pyrene	ND		250	17	ug/L		10/24/24 14:02	10/26/24 18:03	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*78*		*53 - 126*	*10/24/24 14:02*	*10/26/24 18:03*	*50*
Nitrobenzene-d5 (Surr)	*104*		*29 - 129*	*10/24/24 14:02*	*10/26/24 18:03*	*50*
p-Terphenyl-d14 (Surr)	*77*		*33 - 132*	*10/24/24 14:02*	*10/26/24 18:03*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.14		0.010	0.0041	mg/L			10/28/24 11:06	1

Client Sample ID: MW-11 | Lab Sample ID: 480-224744-7

Date Collected: 10/23/24 10:05 | **Matrix: Water**

Date Received: 10/24/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/27/24 08:03	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 08:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 08:03	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/27/24 08:03	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 08:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/27/24 08:03	1
Total BTEX	ND		2.0	1.0	ug/L			10/27/24 08:03	1

Client Sample ID: MW-11

Lab Sample ID: 480-224744-7

Date Collected: 10/23/24 10:05

Matrix: Water

Date Received: 10/24/24 10:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/27/24 08:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*10/27/24 08:03*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*10/27/24 08:03*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*10/27/24 08:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		10/24/24 14:02	10/26/24 18:30	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/24/24 14:02	10/26/24 18:30	1
Anthracene	ND		5.0	0.28	ug/L		10/24/24 14:02	10/26/24 18:30	1
Benzo[a]anthracene	**0.55**	**J**	5.0	0.36	ug/L		10/24/24 14:02	10/26/24 18:30	1
Benzo[a]pyrene	**0.77**	**J**	5.0	0.47	ug/L		10/24/24 14:02	10/26/24 18:30	1
Benzo[b]fluoranthene	**0.71**	**J**	5.0	0.34	ug/L		10/24/24 14:02	10/26/24 18:30	1
Benzo[g,h,i]perylene	**0.48**	**J**	5.0	0.35	ug/L		10/24/24 14:02	10/26/24 18:30	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/24/24 14:02	10/26/24 18:30	1
Chrysene	**0.51**	**J**	5.0	0.33	ug/L		10/24/24 14:02	10/26/24 18:30	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/24/24 14:02	10/26/24 18:30	1
Fluoranthene	**0.53**	**J**	5.0	0.40	ug/L		10/24/24 14:02	10/26/24 18:30	1
Fluorene	ND		5.0	0.36	ug/L		10/24/24 14:02	10/26/24 18:30	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/24/24 14:02	10/26/24 18:30	1
Naphthalene	ND		5.0	0.76	ug/L		10/24/24 14:02	10/26/24 18:30	1
Phenanthrene	ND		5.0	0.44	ug/L		10/24/24 14:02	10/26/24 18:30	1
Pyrene	**0.61**	**J**	5.0	0.34	ug/L		10/24/24 14:02	10/26/24 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	*91*		*53 - 126*	*10/24/24 14:02*	*10/26/24 18:30*	*1*
Nitrobenzene-d5 (Surr)	*97*		*29 - 129*	*10/24/24 14:02*	*10/26/24 18:30*	*1*
p-Terphenyl-d14 (Surr)	*77*		*33 - 132*	*10/24/24 14:02*	*10/26/24 18:30*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.16**		0.010	0.0041	mg/L			10/28/24 11:33	1

Client Sample ID: MW-12R

Lab Sample ID: 480-224744-8

Date Collected: 10/23/24 09:20

Matrix: Water

Date Received: 10/24/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2200**		40	16	ug/L			10/27/24 08:25	40
Toluene	ND		40	20	ug/L			10/27/24 08:25	40
Ethylbenzene	**80**		40	30	ug/L			10/27/24 08:25	40
m-Xylene & p-Xylene	ND		80	26	ug/L			10/27/24 08:25	40
o-Xylene	**30**	**J**	40	30	ug/L			10/27/24 08:25	40
Xylenes, Total	**30**	**J**	80	26	ug/L			10/27/24 08:25	40
Total BTEX	**2300**		80	40	ug/L			10/27/24 08:25	40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/27/24 08:25*	*40*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/27/24 08:25*	*40*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/27/24 08:25*	*40*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*10/27/24 08:25*	*40*

Client Sample ID: MW-12R
Lab Sample ID: 480-224744-8
Date Collected: 10/23/24 09:20
Matrix: Water
Date Received: 10/24/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		25	2.1	ug/L		10/24/24 14:02	10/26/24 18:57	5
Acenaphthylene	**2.3**	**J**	25	1.9	ug/L		10/24/24 14:02	10/26/24 18:57	5
Anthracene	ND		25	1.4	ug/L		10/24/24 14:02	10/26/24 18:57	5
Benzo[a]anthracene	ND		25	1.8	ug/L		10/24/24 14:02	10/26/24 18:57	5
Benzo[a]pyrene	ND		25	2.4	ug/L		10/24/24 14:02	10/26/24 18:57	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		10/24/24 14:02	10/26/24 18:57	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		10/24/24 14:02	10/26/24 18:57	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		10/24/24 14:02	10/26/24 18:57	5
Chrysene	ND		25	1.7	ug/L		10/24/24 14:02	10/26/24 18:57	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		10/24/24 14:02	10/26/24 18:57	5
Fluoranthene	ND		25	2.0	ug/L		10/24/24 14:02	10/26/24 18:57	5
Fluorene	ND		25	1.8	ug/L		10/24/24 14:02	10/26/24 18:57	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		10/24/24 14:02	10/26/24 18:57	5
Naphthalene	**15**	**J**	25	3.8	ug/L		10/24/24 14:02	10/26/24 18:57	5
Phenanthrene	ND		25	2.2	ug/L		10/24/24 14:02	10/26/24 18:57	5
Pyrene	ND		25	1.7	ug/L		10/24/24 14:02	10/26/24 18:57	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*72*		*53 - 126*	*10/24/24 14:02*	*10/26/24 18:57*	*5*
Nitrobenzene-d5 (Surr)	*82*		*29 - 129*	*10/24/24 14:02*	*10/26/24 18:57*	*5*
p-Terphenyl-d14 (Surr)	*69*		*33 - 132*	*10/24/24 14:02*	*10/26/24 18:57*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.016**		0.010	0.0041	mg/L			10/28/24 20:01	1

Client Sample ID: MW-14R
Lab Sample ID: 480-224744-9
Date Collected: 10/23/24 09:15
Matrix: Water
Date Received: 10/24/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/27/24 08:48	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 08:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 08:48	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/27/24 08:48	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 08:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/27/24 08:48	1
Total BTEX	ND		2.0	1.0	ug/L			10/27/24 08:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/27/24 08:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/27/24 08:48*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/27/24 08:48*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*10/27/24 08:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		10/24/24 14:02	10/26/24 19:24	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/24/24 14:02	10/26/24 19:24	1
Anthracene	ND		5.0	0.28	ug/L		10/24/24 14:02	10/26/24 19:24	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/24/24 14:02	10/26/24 19:24	1

Client Sample ID: MW-14R
Lab Sample ID: 480-224744-9
Date Collected: 10/23/24 09:15
Matrix: Water
Date Received: 10/24/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/24/24 14:02	10/26/24 19:24	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/24/24 14:02	10/26/24 19:24	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/24/24 14:02	10/26/24 19:24	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/24/24 14:02	10/26/24 19:24	1
Chrysene	ND		5.0	0.33	ug/L		10/24/24 14:02	10/26/24 19:24	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/24/24 14:02	10/26/24 19:24	1
Fluoranthene	ND		5.0	0.40	ug/L		10/24/24 14:02	10/26/24 19:24	1
Fluorene	ND		5.0	0.36	ug/L		10/24/24 14:02	10/26/24 19:24	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/24/24 14:02	10/26/24 19:24	1
Naphthalene	ND		5.0	0.76	ug/L		10/24/24 14:02	10/26/24 19:24	1
Phenanthrene	ND		5.0	0.44	ug/L		10/24/24 14:02	10/26/24 19:24	1
Pyrene	ND		5.0	0.34	ug/L		10/24/24 14:02	10/26/24 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*84*		*53 - 126*	*10/24/24 14:02*	*10/26/24 19:24*	*1*
Nitrobenzene-d5 (Surr)	*93*		*29 - 129*	*10/24/24 14:02*	*10/26/24 19:24*	*1*
p-Terphenyl-d14 (Surr)	*79*		*33 - 132*	*10/24/24 14:02*	*10/26/24 19:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			10/28/24 11:36	1

Client Sample ID: MW-15
Lab Sample ID: 480-224744-10
Date Collected: 10/23/24 12:25
Matrix: Water
Date Received: 10/24/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/27/24 09:10	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 09:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 09:10	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/27/24 09:10	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 09:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/27/24 09:10	1
Total BTEX	ND		2.0	1.0	ug/L			10/27/24 09:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/27/24 09:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/27/24 09:10*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*10/27/24 09:10*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*10/27/24 09:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		10/24/24 14:02	10/26/24 19:51	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/24/24 14:02	10/26/24 19:51	1
Anthracene	ND		5.0	0.28	ug/L		10/24/24 14:02	10/26/24 19:51	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/24/24 14:02	10/26/24 19:51	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/24/24 14:02	10/26/24 19:51	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/24/24 14:02	10/26/24 19:51	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/24/24 14:02	10/26/24 19:51	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/24/24 14:02	10/26/24 19:51	1

Client Sample ID: MW-15
Lab Sample ID: 480-224744-10
Date Collected: 10/23/24 12:25
Matrix: Water
Date Received: 10/24/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		10/24/24 14:02	10/26/24 19:51	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/24/24 14:02	10/26/24 19:51	1
Fluoranthene	ND		5.0	0.40	ug/L		10/24/24 14:02	10/26/24 19:51	1
Fluorene	ND		5.0	0.36	ug/L		10/24/24 14:02	10/26/24 19:51	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/24/24 14:02	10/26/24 19:51	1
Naphthalene	ND		5.0	0.76	ug/L		10/24/24 14:02	10/26/24 19:51	1
Phenanthrene	ND		5.0	0.44	ug/L		10/24/24 14:02	10/26/24 19:51	1
Pyrene	ND		5.0	0.34	ug/L		10/24/24 14:02	10/26/24 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*68*		*53 - 126*	*10/24/24 14:02*	*10/26/24 19:51*	*1*
Nitrobenzene-d5 (Surr)	*77*		*29 - 129*	*10/24/24 14:02*	*10/26/24 19:51*	*1*
p-Terphenyl-d14 (Surr)	*61*		*33 - 132*	*10/24/24 14:02*	*10/26/24 19:51*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			10/28/24 11:40	1

Client Sample ID: MW-15RS
Lab Sample ID: 480-224744-11
Date Collected: 10/23/24 11:45
Matrix: Water
Date Received: 10/24/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/27/24 09:32	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 09:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 09:32	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/27/24 09:32	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 09:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/27/24 09:32	1
Total BTEX	ND		2.0	1.0	ug/L			10/27/24 09:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/27/24 09:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*10/27/24 09:32*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*10/27/24 09:32*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*10/27/24 09:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		10/24/24 14:02	10/26/24 20:19	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/24/24 14:02	10/26/24 20:19	1
Anthracene	ND		5.0	0.28	ug/L		10/24/24 14:02	10/26/24 20:19	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/24/24 14:02	10/26/24 20:19	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/24/24 14:02	10/26/24 20:19	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/24/24 14:02	10/26/24 20:19	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/24/24 14:02	10/26/24 20:19	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/24/24 14:02	10/26/24 20:19	1
Chrysene	ND		5.0	0.33	ug/L		10/24/24 14:02	10/26/24 20:19	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/24/24 14:02	10/26/24 20:19	1
Fluoranthene	ND		5.0	0.40	ug/L		10/24/24 14:02	10/26/24 20:19	1
Fluorene	ND		5.0	0.36	ug/L		10/24/24 14:02	10/26/24 20:19	1

Client Sample ID: MW-15RS
Lab Sample ID: 480-224744-11
Date Collected: 10/23/24 11:45
Matrix: Water
Date Received: 10/24/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/24/24 14:02	10/26/24 20:19	1
Naphthalene	ND		5.0	0.76	ug/L		10/24/24 14:02	10/26/24 20:19	1
Phenanthrene	ND		5.0	0.44	ug/L		10/24/24 14:02	10/26/24 20:19	1
Pyrene	ND		5.0	0.34	ug/L		10/24/24 14:02	10/26/24 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*73*		*53 - 126*	*10/24/24 14:02*	*10/26/24 20:19*	*1*
Nitrobenzene-d5 (Surr)	*80*		*29 - 129*	*10/24/24 14:02*	*10/26/24 20:19*	*1*
p-Terphenyl-d14 (Surr)	*80*		*33 - 132*	*10/24/24 14:02*	*10/26/24 20:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.047**		0.010	0.0041	mg/L			10/28/24 20:11	1

Client Sample ID: MW-17R
Lab Sample ID: 480-224744-12
Date Collected: 10/23/24 12:30
Matrix: Water
Date Received: 10/24/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/27/24 09:54	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 09:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 09:54	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/27/24 09:54	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 09:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/27/24 09:54	1
Total BTEX	ND		2.0	1.0	ug/L			10/27/24 09:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/27/24 09:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*10/27/24 09:54*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*10/27/24 09:54*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*10/27/24 09:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		10/24/24 14:02	10/26/24 20:46	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/24/24 14:02	10/26/24 20:46	1
Anthracene	ND		5.0	0.28	ug/L		10/24/24 14:02	10/26/24 20:46	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/24/24 14:02	10/26/24 20:46	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/24/24 14:02	10/26/24 20:46	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/24/24 14:02	10/26/24 20:46	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/24/24 14:02	10/26/24 20:46	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/24/24 14:02	10/26/24 20:46	1
Chrysene	ND		5.0	0.33	ug/L		10/24/24 14:02	10/26/24 20:46	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/24/24 14:02	10/26/24 20:46	1
Fluoranthene	ND		5.0	0.40	ug/L		10/24/24 14:02	10/26/24 20:46	1
Fluorene	ND		5.0	0.36	ug/L		10/24/24 14:02	10/26/24 20:46	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/24/24 14:02	10/26/24 20:46	1
Naphthalene	ND		5.0	0.76	ug/L		10/24/24 14:02	10/26/24 20:46	1
Phenanthrene	ND		5.0	0.44	ug/L		10/24/24 14:02	10/26/24 20:46	1
Pyrene	ND		5.0	0.34	ug/L		10/24/24 14:02	10/26/24 20:46	1

Client Sample ID: MW-17R
Lab Sample ID: 480-224744-12
Date Collected: 10/23/24 12:30
Matrix: Water
Date Received: 10/24/24 10:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	67		53 - 126	10/24/24 14:02	10/26/24 20:46	1
Nitrobenzene-d5 (Surr)	74		29 - 129	10/24/24 14:02	10/26/24 20:46	1
p-Terphenyl-d14 (Surr)	84		33 - 132	10/24/24 14:02	10/26/24 20:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			10/28/24 11:43	1

Client Sample ID: MW-19R
Lab Sample ID: 480-224744-13
Date Collected: 10/23/24 10:50
Matrix: Water
Date Received: 10/24/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/27/24 10:16	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 10:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 10:16	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/27/24 10:16	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 10:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/27/24 10:16	1
Total BTEX	ND		2.0	1.0	ug/L			10/27/24 10:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		10/27/24 10:16	1
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		10/27/24 10:16	1
4-Bromofluorobenzene (Surr)	110		73 - 120		10/27/24 10:16	1
Dibromofluoromethane (Surr)	112		75 - 123		10/27/24 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		10/24/24 14:02	10/26/24 21:13	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/24/24 14:02	10/26/24 21:13	1
Anthracene	ND		5.0	0.28	ug/L		10/24/24 14:02	10/26/24 21:13	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/24/24 14:02	10/26/24 21:13	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/24/24 14:02	10/26/24 21:13	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/24/24 14:02	10/26/24 21:13	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/24/24 14:02	10/26/24 21:13	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/24/24 14:02	10/26/24 21:13	1
Chrysene	ND		5.0	0.33	ug/L		10/24/24 14:02	10/26/24 21:13	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/24/24 14:02	10/26/24 21:13	1
Fluoranthene	ND		5.0	0.40	ug/L		10/24/24 14:02	10/26/24 21:13	1
Fluorene	ND		5.0	0.36	ug/L		10/24/24 14:02	10/26/24 21:13	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/24/24 14:02	10/26/24 21:13	1
Naphthalene	ND		5.0	0.76	ug/L		10/24/24 14:02	10/26/24 21:13	1
Phenanthrene	ND		5.0	0.44	ug/L		10/24/24 14:02	10/26/24 21:13	1
Pyrene	ND		5.0	0.34	ug/L		10/24/24 14:02	10/26/24 21:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	72		53 - 126	10/24/24 14:02	10/26/24 21:13	1
Nitrobenzene-d5 (Surr)	82		29 - 129	10/24/24 14:02	10/26/24 21:13	1
p-Terphenyl-d14 (Surr)	78		33 - 132	10/24/24 14:02	10/26/24 21:13	1

Client Sample ID: MW-19R
Lab Sample ID: 480-224744-13
Date Collected: 10/23/24 10:50
Matrix: Water
Date Received: 10/24/24 10:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			10/28/24 11:46	1

Client Sample ID: MW-20R
Lab Sample ID: 480-224744-14
Date Collected: 10/23/24 10:00
Matrix: Water
Date Received: 10/24/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/27/24 10:38	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 10:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 10:38	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/27/24 10:38	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 10:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/27/24 10:38	1
Total BTEX	ND		2.0	1.0	ug/L			10/27/24 10:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/27/24 10:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/27/24 10:38*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/27/24 10:38*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*10/27/24 10:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		10/24/24 14:02	10/26/24 21:40	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/24/24 14:02	10/26/24 21:40	1
Anthracene	ND		5.0	0.28	ug/L		10/24/24 14:02	10/26/24 21:40	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/24/24 14:02	10/26/24 21:40	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/24/24 14:02	10/26/24 21:40	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/24/24 14:02	10/26/24 21:40	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/24/24 14:02	10/26/24 21:40	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/24/24 14:02	10/26/24 21:40	1
Chrysene	ND		5.0	0.33	ug/L		10/24/24 14:02	10/26/24 21:40	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/24/24 14:02	10/26/24 21:40	1
Fluoranthene	ND		5.0	0.40	ug/L		10/24/24 14:02	10/26/24 21:40	1
Fluorene	ND		5.0	0.36	ug/L		10/24/24 14:02	10/26/24 21:40	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/24/24 14:02	10/26/24 21:40	1
Naphthalene	ND		5.0	0.76	ug/L		10/24/24 14:02	10/26/24 21:40	1
Phenanthrene	ND		5.0	0.44	ug/L		10/24/24 14:02	10/26/24 21:40	1
Pyrene	ND		5.0	0.34	ug/L		10/24/24 14:02	10/26/24 21:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*69*		*53 - 126*	*10/24/24 14:02*	*10/26/24 21:40*	*1*
Nitrobenzene-d5 (Surr)	*76*		*29 - 129*	*10/24/24 14:02*	*10/26/24 21:40*	*1*
p-Terphenyl-d14 (Surr)	*77*		*33 - 132*	*10/24/24 14:02*	*10/26/24 21:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			10/28/24 12:10	1

Client Sample ID: Field Duplicate
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 10:30

Lab Sample ID: 480-224744-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2700		40	16	ug/L			10/27/24 18:13	40
Toluene	350		40	20	ug/L			10/27/24 18:13	40
Ethylbenzene	180		40	30	ug/L			10/27/24 18:13	40
m-Xylene & p-Xylene	170		80	26	ug/L			10/27/24 18:13	40
o-Xylene	94		40	30	ug/L			10/27/24 18:13	40
Xylenes, Total	260		80	26	ug/L			10/27/24 18:13	40
Total BTEX	3500		80	40	ug/L			10/27/24 18:13	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/27/24 18:13*	*40*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/27/24 18:13*	*40*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/27/24 18:13*	*40*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*10/27/24 18:13*	*40*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	49		5.0	0.41	ug/L		10/24/24 14:02	10/26/24 22:07	1
Acenaphthylene	62		5.0	0.38	ug/L		10/24/24 14:02	10/26/24 22:07	1
Anthracene	1.6	J	5.0	0.28	ug/L		10/24/24 14:02	10/26/24 22:07	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/24/24 14:02	10/26/24 22:07	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/24/24 14:02	10/26/24 22:07	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/24/24 14:02	10/26/24 22:07	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/24/24 14:02	10/26/24 22:07	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/24/24 14:02	10/26/24 22:07	1
Chrysene	ND		5.0	0.33	ug/L		10/24/24 14:02	10/26/24 22:07	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/24/24 14:02	10/26/24 22:07	1
Fluoranthene	ND		5.0	0.40	ug/L		10/24/24 14:02	10/26/24 22:07	1
Fluorene	19		5.0	0.36	ug/L		10/24/24 14:02	10/26/24 22:07	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/24/24 14:02	10/26/24 22:07	1
Naphthalene	390	E	5.0	0.76	ug/L		10/24/24 14:02	10/26/24 22:07	1
Phenanthrene	3.6	J	5.0	0.44	ug/L		10/24/24 14:02	10/26/24 22:07	1
Pyrene	ND		5.0	0.34	ug/L		10/24/24 14:02	10/26/24 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*82*		*53 - 126*	*10/24/24 14:02*	*10/26/24 22:07*	*1*
Nitrobenzene-d5 (Surr)	*74*		*29 - 129*	*10/24/24 14:02*	*10/26/24 22:07*	*1*
p-Terphenyl-d14 (Surr)	*86*		*33 - 132*	*10/24/24 14:02*	*10/26/24 22:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	48	J	250	21	ug/L		10/24/24 14:02	10/28/24 19:20	50
Acenaphthylene	55	J	250	19	ug/L		10/24/24 14:02	10/28/24 19:20	50
Anthracene	ND		250	14	ug/L		10/24/24 14:02	10/28/24 19:20	50
Benzo[a]anthracene	ND		250	18	ug/L		10/24/24 14:02	10/28/24 19:20	50
Benzo[a]pyrene	ND		250	24	ug/L		10/24/24 14:02	10/28/24 19:20	50
Benzo[b]fluoranthene	ND		250	17	ug/L		10/24/24 14:02	10/28/24 19:20	50
Benzo[g,h,i]perylene	ND		250	18	ug/L		10/24/24 14:02	10/28/24 19:20	50
Benzo[k]fluoranthene	ND		250	37	ug/L		10/24/24 14:02	10/28/24 19:20	50
Chrysene	ND		250	17	ug/L		10/24/24 14:02	10/28/24 19:20	50
Dibenz(a,h)anthracene	ND		250	21	ug/L		10/24/24 14:02	10/28/24 19:20	50
Fluoranthene	ND		250	20	ug/L		10/24/24 14:02	10/28/24 19:20	50

Client Sample ID: Field Duplicate **Lab Sample ID: 480-224744-15**
Date Collected: 10/23/24 00:00 **Matrix: Water**
Date Received: 10/24/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	**22**	**J**	250	18	ug/L		10/24/24 14:02	10/28/24 19:20	50
Indeno[1,2,3-cd]pyrene	ND		250	24	ug/L		10/24/24 14:02	10/28/24 19:20	50
Naphthalene	**690**		250	38	ug/L		10/24/24 14:02	10/28/24 19:20	50
Phenanthrene	ND		250	22	ug/L		10/24/24 14:02	10/28/24 19:20	50
Pyrene	ND		250	17	ug/L		10/24/24 14:02	10/28/24 19:20	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*79*		*53 - 126*	*10/24/24 14:02*	*10/28/24 19:20*	*50*
Nitrobenzene-d5 (Surr)	*98*		*29 - 129*	*10/24/24 14:02*	*10/28/24 19:20*	*50*
p-Terphenyl-d14 (Surr)	*83*		*33 - 132*	*10/24/24 14:02*	*10/28/24 19:20*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.13**		0.010	0.0041	mg/L			10/28/24 12:16	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-224744-1

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)
480-224744-1	Trip Blank	99	110	108	109
480-224744-2	MW-2(R)	101	111	109	113
480-224744-3	MW-5R(R)	98	109	109	113
480-224744-4	MW-8R	100	106	111	111
480-224744-4 MS	MW-8R-MS	104	106	104	107
480-224744-4 MSD	MW-8R-MSD	105	106	107	109
480-224744-5	MW-9	100	108	106	112
480-224744-6	MW-10R	99	109	106	110
480-224744-7	MW-11	99	106	109	107
480-224744-8	MW-12R	98	105	108	110
480-224744-9	MW-14R	99	104	108	107
480-224744-10	MW-15	101	108	110	111
480-224744-11	MW-15RS	101	109	109	113
480-224744-12	MW-17R	101	106	110	109
480-224744-13	MW-19R	100	108	110	112
480-224744-14	MW-20R	100	108	108	110
480-224744-15	Field Duplicate	101	108	108	110
LCS 480-729986/6	Lab Control Sample	102	108	104	112
LCS 480-730008/6	Lab Control Sample	102	102	106	107
MB 480-729986/8	Method Blank	101	108	107	111
MB 480-730008/8	Method Blank	101	107	108	109

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)
480-224744-2	MW-2(R)	90	105	83
480-224744-3	MW-5R(R)	86	103	67
480-224744-4	MW-8R	69	76	70
480-224744-4 MS	MW-8R-MS	69	78	70
480-224744-4 MSD	MW-8R-MSD	69	75	73
480-224744-5	MW-9	75	85	70
480-224744-6	MW-10R	78	104	77
480-224744-7	MW-11	91	97	77
480-224744-8	MW-12R	72	82	69
480-224744-9	MW-14R	84	93	79
480-224744-10	MW-15	68	77	61
480-224744-11	MW-15RS	73	80	80
480-224744-12	MW-17R	67	74	84
480-224744-13	MW-19R	72	82	78
480-224744-14	MW-20R	69	76	77
480-224744-15	Field Duplicate	82	74	86
480-224744-15 - DL	Field Duplicate	79	98	83

Surrogate Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-224744-1

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

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)
LCS 480-729657/2-A	Lab Control Sample	79	86	86
MB 480-729657/1-A	Method Blank	70	82	82

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

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

Lab Sample ID: MB 480-729986/8
Matrix: Water
Analysis Batch: 729986

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/27/24 05:29	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 05:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 05:29	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/27/24 05:29	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 05:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/27/24 05:29	1
Total BTEX	ND		2.0	1.0	ug/L			10/27/24 05:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/27/24 05:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/27/24 05:29*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*10/27/24 05:29*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*10/27/24 05:29*	*1*

Lab Sample ID: LCS 480-729986/6
Matrix: Water
Analysis Batch: 729986

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	26.1		ug/L		104	71 - 124
Toluene	25.0	25.4		ug/L		101	80 - 122
Ethylbenzene	25.0	26.6		ug/L		106	77 - 123
m-Xylene & p-Xylene	25.0	26.7		ug/L		107	76 - 122
o-Xylene	25.0	27.5		ug/L		110	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*112*		*75 - 123*

Lab Sample ID: MB 480-730008/8
Matrix: Water
Analysis Batch: 730008

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/27/24 14:37	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 14:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 14:37	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/27/24 14:37	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 14:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/27/24 14:37	1
Total BTEX	ND		2.0	1.0	ug/L			10/27/24 14:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/27/24 14:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/27/24 14:37*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/27/24 14:37*	*1*

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

Lab Sample ID: MB 480-730008/8
Matrix: Water
Analysis Batch: 730008

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	109		75 - 123		10/27/24 14:37	1

Lab Sample ID: LCS 480-730008/6
Matrix: Water
Analysis Batch: 730008

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	24.7		ug/L		99	71 - 124		
Toluene			25.0	24.4		ug/L		97	80 - 122		
Ethylbenzene			25.0	26.3		ug/L		105	77 - 123		
m-Xylene & p-Xylene			25.0	26.2		ug/L		105	76 - 122		
o-Xylene			25.0	27.0		ug/L		108	76 - 122		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	102		80 - 120
1,2-Dichloroethane-d4 (Surr)	102		77 - 120
4-Bromofluorobenzene (Surr)	106		73 - 120
Dibromofluoromethane (Surr)	107		75 - 123

Lab Sample ID: 480-224744-4 MS
Matrix: Water
Analysis Batch: 730008

Client Sample ID: MW-8R-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	860		500	1230		ug/L		75	71 - 124		
Toluene	54		500	553		ug/L		100	80 - 122		
Ethylbenzene	24		500	539		ug/L		103	77 - 123		
m-Xylene & p-Xylene	33	J	500	561		ug/L		106	76 - 122		
o-Xylene	15	J	500	563		ug/L		113	76 - 122		

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	104		80 - 120
1,2-Dichloroethane-d4 (Surr)	106		77 - 120
4-Bromofluorobenzene (Surr)	104		73 - 120
Dibromofluoromethane (Surr)	107		75 - 123

Lab Sample ID: 480-224744-4 MSD
Matrix: Water
Analysis Batch: 730008

Client Sample ID: MW-8R-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	860		500	1280		ug/L		85	71 - 124	4	13
Toluene	54		500	577		ug/L		104	80 - 122	4	15
Ethylbenzene	24		500	570		ug/L		109	77 - 123	6	15
m-Xylene & p-Xylene	33	J	500	595		ug/L		112	76 - 122	6	16
o-Xylene	15	J	500	580		ug/L		116	76 - 122	3	16

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

Lab Sample ID: 480-224744-4 MSD **Client Sample ID: MW-8R-MSD**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 730008

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	*105*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*
Dibromofluoromethane (Surr)	*109*		*75 - 123*

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

Lab Sample ID: MB 480-729657/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 729894 **Prep Batch: 729657**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		10/24/24 14:02	10/26/24 11:40	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/24/24 14:02	10/26/24 11:40	1
Anthracene	ND		5.0	0.28	ug/L		10/24/24 14:02	10/26/24 11:40	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/24/24 14:02	10/26/24 11:40	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/24/24 14:02	10/26/24 11:40	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/24/24 14:02	10/26/24 11:40	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/24/24 14:02	10/26/24 11:40	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/24/24 14:02	10/26/24 11:40	1
Chrysene	ND		5.0	0.33	ug/L		10/24/24 14:02	10/26/24 11:40	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/24/24 14:02	10/26/24 11:40	1
Fluoranthene	ND		5.0	0.40	ug/L		10/24/24 14:02	10/26/24 11:40	1
Fluorene	ND		5.0	0.36	ug/L		10/24/24 14:02	10/26/24 11:40	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/24/24 14:02	10/26/24 11:40	1
Naphthalene	ND		5.0	0.76	ug/L		10/24/24 14:02	10/26/24 11:40	1
Phenanthrene	ND		5.0	0.44	ug/L		10/24/24 14:02	10/26/24 11:40	1
Pyrene	ND		5.0	0.34	ug/L		10/24/24 14:02	10/26/24 11:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	*70*		*53 - 126*	*10/24/24 14:02*	*10/26/24 11:40*	*1*
Nitrobenzene-d5 (Surr)	*82*		*29 - 129*	*10/24/24 14:02*	*10/26/24 11:40*	*1*
p-Terphenyl-d14 (Surr)	*82*		*33 - 132*	*10/24/24 14:02*	*10/26/24 11:40*	*1*

Lab Sample ID: LCS 480-729657/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 729894 **Prep Batch: 729657**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	32.0	27.9		ug/L		87	60 - 120
Acenaphthylene	32.0	28.9		ug/L		90	63 - 120
Anthracene	32.0	30.4		ug/L		95	67 - 120
Benzo[a]anthracene	32.0	30.6		ug/L		96	70 - 121
Benzo[a]pyrene	32.0	28.8		ug/L		90	60 - 123
Benzo[b]fluoranthene	32.0	28.8		ug/L		90	66 - 126
Benzo[g,h,i]perylene	32.0	29.6		ug/L		93	66 - 150
Benzo[k]fluoranthene	32.0	28.6		ug/L		89	65 - 124
Chrysene	32.0	31.0		ug/L		97	69 - 120
Dibenz(a,h)anthracene	32.0	29.3		ug/L		92	65 - 135

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

Lab Sample ID: LCS 480-729657/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 729894 — **Prep Batch: 729657**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoranthene	32.0	29.8		ug/L		93	69 - 126
Fluorene	32.0	27.5		ug/L		86	66 - 120
Indeno[1,2,3-cd]pyrene	32.0	29.5		ug/L		92	69 - 146
Naphthalene	32.0	25.5		ug/L		80	57 - 120
Phenanthrene	32.0	30.3		ug/L		95	68 - 120
Pyrene	32.0	33.0		ug/L		103	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*79*		*53 - 126*
Nitrobenzene-d5 (Surr)	*86*		*29 - 129*
p-Terphenyl-d14 (Surr)	*86*		*33 - 132*

Lab Sample ID: 480-224744-4 MS — **Client Sample ID: MW-8R-MS**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 729894 — **Prep Batch: 729657**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	13	J	32.0	37.0		ug/L		75	48 - 120
Acenaphthylene	9.2	J	32.0	34.4		ug/L		79	63 - 120
Anthracene	2.1	J	32.0	28.5		ug/L		82	65 - 122
Benzo[a]anthracene	ND		32.0	27.6		ug/L		86	43 - 124
Benzo[a]pyrene	ND		32.0	26.1		ug/L		81	23 - 125
Benzo[b]fluoranthene	ND		32.0	25.0		ug/L		78	27 - 127
Benzo[g,h,i]perylene	ND		32.0	25.9		ug/L		81	16 - 147
Benzo[k]fluoranthene	ND		32.0	27.1		ug/L		85	20 - 124
Chrysene	ND		32.0	26.1		ug/L		82	44 - 122
Dibenz(a,h)anthracene	ND		32.0	24.3	J	ug/L		76	16 - 139
Fluoranthene	3.1	J	32.0	27.8		ug/L		77	63 - 129
Fluorene	9.1	J	32.0	34.2		ug/L		78	62 - 120
Indeno[1,2,3-cd]pyrene	ND		32.0	24.8	J	ug/L		77	16 - 140
Naphthalene	90	F1	32.0	106		ug/L		48	45 - 120
Phenanthrene	6.4	J	32.0	32.8		ug/L		83	65 - 122
Pyrene	2.7	J	32.0	30.5		ug/L		87	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*69*		*53 - 126*
Nitrobenzene-d5 (Surr)	*78*		*29 - 129*
p-Terphenyl-d14 (Surr)	*70*		*33 - 132*

Lab Sample ID: 480-224744-4 MSD — **Client Sample ID: MW-8R-MSD**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 729894 — **Prep Batch: 729657**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	13	J	32.0	37.7		ug/L		77	48 - 120	2	24
Acenaphthylene	9.2	J	32.0	34.6		ug/L		79	63 - 120	0	18
Anthracene	2.1	J	32.0	28.9		ug/L		84	65 - 122	1	15
Benzo[a]anthracene	ND		32.0	28.1		ug/L		88	43 - 124	2	15
Benzo[a]pyrene	ND		32.0	25.9		ug/L		81	23 - 125	1	15

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

Lab Sample ID: 480-224744-4 MSD **Client Sample ID: MW-8R-MSD**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 729894 **Prep Batch: 729657**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[b]fluoranthene	ND		32.0	27.0		ug/L		84	27 - 127	8	15
Benzo[g,h,i]perylene	ND		32.0	25.8		ug/L		81	16 - 147	0	15
Benzo[k]fluoranthene	ND		32.0	28.4		ug/L		89	20 - 124	5	22
Chrysene	ND		32.0	27.5		ug/L		86	44 - 122	5	15
Dibenz(a,h)anthracene	ND		32.0	24.1	J	ug/L		75	16 - 139	1	15
Fluoranthene	3.1	J	32.0	29.0		ug/L		81	63 - 129	4	15
Fluorene	9.1	J	32.0	34.6		ug/L		80	62 - 120	1	15
Indeno[1,2,3-cd]pyrene	ND		32.0	24.5	J	ug/L		77	16 - 140	1	15
Naphthalene	90	F1	32.0	102	F1	ug/L		35	45 - 120	4	29
Phenanthrene	6.4	J	32.0	32.6		ug/L		82	65 - 122	1	15
Pyrene	2.7	J	32.0	31.3		ug/L		89	58 - 128	3	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*69*		*53 - 126*
Nitrobenzene-d5 (Surr)	*75*		*29 - 129*
p-Terphenyl-d14 (Surr)	*73*		*33 - 132*

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

Lab Sample ID: MB 480-730180/47 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 730180

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0041	mg/L			10/28/24 10:38	1

Lab Sample ID: MB 480-730180/73 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 730180

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0041	mg/L			10/28/24 12:04	1

Lab Sample ID: HLCS 480-730180/22 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 730180

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.389		mg/L		97	90 - 110

Lab Sample ID: LCS 480-730180/48 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 730180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.239		mg/L		95	90 - 110

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

Lab Sample ID: LCS 480-730180/74
Matrix: Water
Analysis Batch: 730180
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.250	0.259		mg/L		104	90 - 110		

Lab Sample ID: 480-224744-4 MS
Matrix: Water
Analysis Batch: 730180
Client Sample ID: MW-8R-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	0.084		0.100	0.174		mg/L		90	90 - 110		

Lab Sample ID: 480-224744-4 MSD
Matrix: Water
Analysis Batch: 730180
Client Sample ID: MW-8R-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.084		0.100	0.180		mg/L		97	90 - 110	3	15

Lab Sample ID: 480-224744-14 MS
Matrix: Water
Analysis Batch: 730180
Client Sample ID: MW-20R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	ND		0.100	0.0947		mg/L		95	90 - 110		

Lab Sample ID: MB 480-730181/21
Matrix: Water
Analysis Batch: 730181
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0041	mg/L			10/28/24 19:47	1

Lab Sample ID: HLCS 480-730181/22
Matrix: Water
Analysis Batch: 730181
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.400	0.415		mg/L		104	90 - 110		

Lab Sample ID: LCS 480-730181/23
Matrix: Water
Analysis Batch: 730181
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.250	0.260		mg/L		104	90 - 110		

Lab Sample ID: 480-224744-8 MS
Matrix: Water
Analysis Batch: 730181
Client Sample ID: MW-12R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	0.016		0.100	0.106		mg/L		90	90 - 110		

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

Lab Sample ID: 480-224744-8 DU — **Client Sample ID: MW-12R**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 730181

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cyanide, Total	0.016			0.0165		mg/L				2	15

Lab Sample ID: MB 480-730337/103 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 730337

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0041	mg/L			10/29/24 12:53	1

Lab Sample ID: HLCS 480-730337/22 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 730337

Analyte			Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.400	0.408		mg/L		102	90 - 110		

Lab Sample ID: LCS 480-730337/104 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 730337

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.250	0.246		mg/L		98	90 - 110		

GC/MS VOA

Analysis Batch: 729986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224744-1	Trip Blank	Total/NA	Water	8260C	
480-224744-2	MW-2(R)	Total/NA	Water	8260C	
480-224744-5	MW-9	Total/NA	Water	8260C	
480-224744-7	MW-11	Total/NA	Water	8260C	
480-224744-8	MW-12R	Total/NA	Water	8260C	
480-224744-9	MW-14R	Total/NA	Water	8260C	
480-224744-10	MW-15	Total/NA	Water	8260C	
480-224744-11	MW-15RS	Total/NA	Water	8260C	
480-224744-12	MW-17R	Total/NA	Water	8260C	
480-224744-13	MW-19R	Total/NA	Water	8260C	
480-224744-14	MW-20R	Total/NA	Water	8260C	
MB 480-729986/8	Method Blank	Total/NA	Water	8260C	
LCS 480-729986/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 730008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224744-3	MW-5R(R)	Total/NA	Water	8260C	
480-224744-4	MW-8R	Total/NA	Water	8260C	
480-224744-6	MW-10R	Total/NA	Water	8260C	
480-224744-15	Field Duplicate	Total/NA	Water	8260C	
MB 480-730008/8	Method Blank	Total/NA	Water	8260C	
LCS 480-730008/6	Lab Control Sample	Total/NA	Water	8260C	
480-224744-4 MS	MW-8R-MS	Total/NA	Water	8260C	
480-224744-4 MSD	MW-8R-MSD	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 729657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224744-2	MW-2(R)	Total/NA	Water	3510C	
480-224744-3	MW-5R(R)	Total/NA	Water	3510C	
480-224744-4	MW-8R	Total/NA	Water	3510C	
480-224744-5	MW-9	Total/NA	Water	3510C	
480-224744-6	MW-10R	Total/NA	Water	3510C	
480-224744-7	MW-11	Total/NA	Water	3510C	
480-224744-8	MW-12R	Total/NA	Water	3510C	
480-224744-9	MW-14R	Total/NA	Water	3510C	
480-224744-10	MW-15	Total/NA	Water	3510C	
480-224744-11	MW-15RS	Total/NA	Water	3510C	
480-224744-12	MW-17R	Total/NA	Water	3510C	
480-224744-13	MW-19R	Total/NA	Water	3510C	
480-224744-14	MW-20R	Total/NA	Water	3510C	
480-224744-15	Field Duplicate	Total/NA	Water	3510C	
480-224744-15 - DL	Field Duplicate	Total/NA	Water	3510C	
MB 480-729657/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-729657/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-224744-4 MS	MW-8R-MS	Total/NA	Water	3510C	
480-224744-4 MSD	MW-8R-MSD	Total/NA	Water	3510C	

Analysis Batch: 729894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224744-2	MW-2(R)	Total/NA	Water	8270D	729657

GC/MS Semi VOA (Continued)

Analysis Batch: 729894 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224744-3	MW-5R(R)	Total/NA	Water	8270D	729657
480-224744-4	MW-8R	Total/NA	Water	8270D	729657
480-224744-5	MW-9	Total/NA	Water	8270D	729657
480-224744-6	MW-10R	Total/NA	Water	8270D	729657
480-224744-7	MW-11	Total/NA	Water	8270D	729657
480-224744-8	MW-12R	Total/NA	Water	8270D	729657
480-224744-9	MW-14R	Total/NA	Water	8270D	729657
480-224744-10	MW-15	Total/NA	Water	8270D	729657
480-224744-11	MW-15RS	Total/NA	Water	8270D	729657
480-224744-12	MW-17R	Total/NA	Water	8270D	729657
480-224744-13	MW-19R	Total/NA	Water	8270D	729657
480-224744-14	MW-20R	Total/NA	Water	8270D	729657
480-224744-15	Field Duplicate	Total/NA	Water	8270D	729657
MB 480-729657/1-A	Method Blank	Total/NA	Water	8270D	729657
LCS 480-729657/2-A	Lab Control Sample	Total/NA	Water	8270D	729657
480-224744-4 MS	MW-8R-MS	Total/NA	Water	8270D	729657
480-224744-4 MSD	MW-8R-MSD	Total/NA	Water	8270D	729657

Analysis Batch: 730064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224744-15 - DL	Field Duplicate	Total/NA	Water	8270D	729657

General Chemistry

Analysis Batch: 730180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224744-3	MW-5R(R)	Total/NA	Water	9012B	
480-224744-4	MW-8R	Total/NA	Water	9012B	
480-224744-6	MW-10R	Total/NA	Water	9012B	
480-224744-7	MW-11	Total/NA	Water	9012B	
480-224744-9	MW-14R	Total/NA	Water	9012B	
480-224744-10	MW-15	Total/NA	Water	9012B	
480-224744-12	MW-17R	Total/NA	Water	9012B	
480-224744-13	MW-19R	Total/NA	Water	9012B	
480-224744-14	MW-20R	Total/NA	Water	9012B	
480-224744-15	Field Duplicate	Total/NA	Water	9012B	
MB 480-730180/47	Method Blank	Total/NA	Water	9012B	
MB 480-730180/73	Method Blank	Total/NA	Water	9012B	
HLCS 480-730180/22	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-730180/48	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-730180/74	Lab Control Sample	Total/NA	Water	9012B	
480-224744-4 MS	MW-8R-MS	Total/NA	Water	9012B	
480-224744-4 MSD	MW-8R-MSD	Total/NA	Water	9012B	
480-224744-14 MS	MW-20R	Total/NA	Water	9012B	

Analysis Batch: 730181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224744-8	MW-12R	Total/NA	Water	9012B	
480-224744-11	MW-15RS	Total/NA	Water	9012B	
MB 480-730181/21	Method Blank	Total/NA	Water	9012B	
HLCS 480-730181/22	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-730181/23	Lab Control Sample	Total/NA	Water	9012B	

General Chemistry (Continued)

Analysis Batch: 730181 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224744-8 MS	MW-12R	Total/NA	Water	9012B	
480-224744-8 DU	MW-12R	Total/NA	Water	9012B	

Analysis Batch: 730337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224744-2	MW-2(R)	Total/NA	Water	9012B	
480-224744-5	MW-9	Total/NA	Water	9012B	
MB 480-730337/103	Method Blank	Total/NA	Water	9012B	
HLCS 480-730337/22	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-730337/104	Lab Control Sample	Total/NA	Water	9012B	

Lab Chronicle

Client Sample ID: Trip Blank
Lab Sample ID: 480-224744-1
Date Collected: 10/23/24 13:45
Matrix: Water
Date Received: 10/24/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	729986	AXK	EET BUF	10/27/24 05:51

Client Sample ID: MW-2(R)
Lab Sample ID: 480-224744-2
Date Collected: 10/23/24 10:40
Matrix: Water
Date Received: 10/24/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4	729986	AXK	EET BUF	10/27/24 06:13
Total/NA	Prep	3510C			729657	LSC	EET BUF	10/24/24 14:02
Total/NA	Analysis	8270D		20	729894	JMM	EET BUF	10/26/24 16:40
Total/NA	Analysis	9012B		5	730337	CLT	EET BUF	10/29/24 13:12

Client Sample ID: MW-5R(R)
Lab Sample ID: 480-224744-3
Date Collected: 10/23/24 11:45
Matrix: Water
Date Received: 10/24/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	730008	AXK	EET BUF	10/27/24 17:07
Total/NA	Prep	3510C			729657	LSC	EET BUF	10/24/24 14:02
Total/NA	Analysis	8270D		20	729894	JMM	EET BUF	10/26/24 17:08
Total/NA	Analysis	9012B		1	730180	CLT	EET BUF	10/28/24 11:00

Client Sample ID: MW-8R
Lab Sample ID: 480-224744-4
Date Collected: 10/23/24 13:20
Matrix: Water
Date Received: 10/24/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		20	730008	AXK	EET BUF	10/27/24 17:29
Total/NA	Prep	3510C			729657	LSC	EET BUF	10/24/24 14:02
Total/NA	Analysis	8270D		5	729894	JMM	EET BUF	10/26/24 13:29
Total/NA	Analysis	9012B		1	730180	CLT	EET BUF	10/28/24 11:24

Client Sample ID: MW-9
Lab Sample ID: 480-224744-5
Date Collected: 10/23/24 13:25
Matrix: Water
Date Received: 10/24/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	729986	AXK	EET BUF	10/27/24 07:19
Total/NA	Prep	3510C			729657	LSC	EET BUF	10/24/24 14:02
Total/NA	Analysis	8270D		5	729894	JMM	EET BUF	10/26/24 17:35
Total/NA	Analysis	9012B		10	730337	CLT	EET BUF	10/29/24 13:22

Lab Chronicle

Client Sample ID: MW-10R
Lab Sample ID: 480-224744-6
Date Collected: 10/23/24 13:00
Matrix: Water
Date Received: 10/24/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		40	730008	AXK	EET BUF	10/27/24 17:51
Total/NA	Prep	3510C			729657	LSC	EET BUF	10/24/24 14:02
Total/NA	Analysis	8270D		50	729894	JMM	EET BUF	10/26/24 18:03
Total/NA	Analysis	9012B		1	730180	CLT	EET BUF	10/28/24 11:06

Client Sample ID: MW-11
Lab Sample ID: 480-224744-7
Date Collected: 10/23/24 10:05
Matrix: Water
Date Received: 10/24/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	729986	AXK	EET BUF	10/27/24 08:03
Total/NA	Prep	3510C			729657	LSC	EET BUF	10/24/24 14:02
Total/NA	Analysis	8270D		1	729894	JMM	EET BUF	10/26/24 18:30
Total/NA	Analysis	9012B		1	730180	CLT	EET BUF	10/28/24 11:33

Client Sample ID: MW-12R
Lab Sample ID: 480-224744-8
Date Collected: 10/23/24 09:20
Matrix: Water
Date Received: 10/24/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		40	729986	AXK	EET BUF	10/27/24 08:25
Total/NA	Prep	3510C			729657	LSC	EET BUF	10/24/24 14:02
Total/NA	Analysis	8270D		5	729894	JMM	EET BUF	10/26/24 18:57
Total/NA	Analysis	9012B		1	730181	GW	EET BUF	10/28/24 20:01

Client Sample ID: MW-14R
Lab Sample ID: 480-224744-9
Date Collected: 10/23/24 09:15
Matrix: Water
Date Received: 10/24/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	729986	AXK	EET BUF	10/27/24 08:48
Total/NA	Prep	3510C			729657	LSC	EET BUF	10/24/24 14:02
Total/NA	Analysis	8270D		1	729894	JMM	EET BUF	10/26/24 19:24
Total/NA	Analysis	9012B		1	730180	CLT	EET BUF	10/28/24 11:36

Client Sample ID: MW-15
Lab Sample ID: 480-224744-10
Date Collected: 10/23/24 12:25
Matrix: Water
Date Received: 10/24/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	729986	AXK	EET BUF	10/27/24 09:10
Total/NA	Prep	3510C			729657	LSC	EET BUF	10/24/24 14:02
Total/NA	Analysis	8270D		1	729894	JMM	EET BUF	10/26/24 19:51
Total/NA	Analysis	9012B		1	730180	CLT	EET BUF	10/28/24 11:40

Lab Chronicle

Client Sample ID: MW-15RS
Lab Sample ID: 480-224744-11
Date Collected: 10/23/24 11:45
Matrix: Water
Date Received: 10/24/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	729986	AXK	EET BUF	10/27/24 09:32
Total/NA	Prep	3510C			729657	LSC	EET BUF	10/24/24 14:02
Total/NA	Analysis	8270D		1	729894	JMM	EET BUF	10/26/24 20:19
Total/NA	Analysis	9012B		1	730181	GW	EET BUF	10/28/24 20:11

Client Sample ID: MW-17R
Lab Sample ID: 480-224744-12
Date Collected: 10/23/24 12:30
Matrix: Water
Date Received: 10/24/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	729986	AXK	EET BUF	10/27/24 09:54
Total/NA	Prep	3510C			729657	LSC	EET BUF	10/24/24 14:02
Total/NA	Analysis	8270D		1	729894	JMM	EET BUF	10/26/24 20:46
Total/NA	Analysis	9012B		1	730180	CLT	EET BUF	10/28/24 11:43

Client Sample ID: MW-19R
Lab Sample ID: 480-224744-13
Date Collected: 10/23/24 10:50
Matrix: Water
Date Received: 10/24/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	729986	AXK	EET BUF	10/27/24 10:16
Total/NA	Prep	3510C			729657	LSC	EET BUF	10/24/24 14:02
Total/NA	Analysis	8270D		1	729894	JMM	EET BUF	10/26/24 21:13
Total/NA	Analysis	9012B		1	730180	CLT	EET BUF	10/28/24 11:46

Client Sample ID: MW-20R
Lab Sample ID: 480-224744-14
Date Collected: 10/23/24 10:00
Matrix: Water
Date Received: 10/24/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	729986	AXK	EET BUF	10/27/24 10:38
Total/NA	Prep	3510C			729657	LSC	EET BUF	10/24/24 14:02
Total/NA	Analysis	8270D		1	729894	JMM	EET BUF	10/26/24 21:40
Total/NA	Analysis	9012B		1	730180	CLT	EET BUF	10/28/24 12:10

Client Sample ID: Field Duplicate
Lab Sample ID: 480-224744-15
Date Collected: 10/23/24 00:00
Matrix: Water
Date Received: 10/24/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		40	730008	AXK	EET BUF	10/27/24 18:13
Total/NA	Prep	3510C			729657	LSC	EET BUF	10/24/24 14:02
Total/NA	Analysis	8270D		1	729894	JMM	EET BUF	10/26/24 22:07
Total/NA	Prep	3510C	DL		729657	LSC	EET BUF	10/24/24 14:02
Total/NA	Analysis	8270D	DL	50	730064	JMM	EET BUF	10/28/24 19:20
Total/NA	Analysis	9012B		1	730180	CLT	EET BUF	10/28/24 12:16

Lab Chronicle

Laboratory References:

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

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-224744-1

Laboratory: Eurofins Buffalo

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

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Total BTEX

Method Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-224744-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Groundwater & Environmental Services Inc
Job ID: 480-224744-1
Project/Site:

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-224744-1	Trip Blank	Water	10/23/24 13:45	10/24/24 10:30
480-224744-2	MW-2(R)	Water	10/23/24 10:40	10/24/24 10:30
480-224744-3	MW-5R(R)	Water	10/23/24 11:45	10/24/24 10:30
480-224744-4	MW-8R	Water	10/23/24 13:20	10/24/24 10:30
480-224744-5	MW-9	Water	10/23/24 13:25	10/24/24 10:30
480-224744-6	MW-10R	Water	10/23/24 13:00	10/24/24 10:30
480-224744-7	MW-11	Water	10/23/24 10:05	10/24/24 10:30
480-224744-8	MW-12R	Water	10/23/24 09:20	10/24/24 10:30
480-224744-9	MW-14R	Water	10/23/24 09:15	10/24/24 10:30
480-224744-10	MW-15	Water	10/23/24 12:25	10/24/24 10:30
480-224744-11	MW-15RS	Water	10/23/24 11:45	10/24/24 10:30
480-224744-12	MW-17R	Water	10/23/24 12:30	10/24/24 10:30
480-224744-13	MW-19R	Water	10/23/24 10:50	10/24/24 10:30
480-224744-14	MW-20R	Water	10/23/24 10:00	10/24/24 10:30
480-224744-15	Field Duplicate	Water	10/23/24 00:00	10/24/24 10:30

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

Syracuse #225

eurofins | Environment Testing

Client Information

Sampler: Pete Lyon
Phone: 607-345-6106
Lab PM: Beninati, John
E-Mail: John.Beninati@et.eurofinsus.com
Carrier Tracking No(s):
State of Origin:
COC No: 480-192898-40378.1
Page: Page 1 of 2
Job #:

Client Contact: Tim Beaumont
Company: Groundwater & Environmental Services Inc
PWSID:
Address: 6780 Northern Boulevard Suite 100
Due Date Requested:
City: East Syracuse
TAT Requested (days):
State, Zip: NY, 13057
Compliance Project: Δ Yes Δ No
Phone:
PO #: 0603400-136690-221-1106
Email: tbeaumont@gesonline.com
WO #:
Project Name: Ogdensburg Semi-Annual GW Event Desc: Ogdensburg Semi-An
Project #: 48027231
Site: Ogdensburg Semi-Annual GWS
SSOW#:

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9012B_NP - Cyanide, Total	8270D - PAH Semivolatiles	8260C - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				B	N	A		
MW-2(R)	10/23/24	10:40	G	Water			1	2	3		
MW-5R(R)		11:46	G	Water			1	2	3	6	
MW-8R		13:20	G	Water			1	2	3	6	
MW-8R-MS		13:20	G	Water			1	2	3	6	
MW-8R-MSD		13:20	G	Water			1	2	3	6	
MW-9		13:25	G	Water			1	2	3	6	
MW-10R		13:00	G	Water			1	2	3	6	
MW-11		10:05	G	Water			1	2	3	6	
MW-12R		0920	G	Water			1	2	3	6	
MW-14R		09:15	G	Water			1	2	3	6	
MW-15		2:25	G	Water			1	2	3	6	
										6	

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

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

Deliverable Requested: I, II, III, IV, Other (specify)
CAT B DELIVERY
Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Pete Lyon	10/23/24 1650	GES	R. Englich	10-25-24 1630	[illegible]
R. Englich	10-23-24, 1900	[illegible]	Kunskiw Kolb	10/24/24 1030	TIA

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 2.7 2.1 IR #SC ICE

Ver: 01/16/2019

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

Chain of Custody Record

Syracuse #295

eurofins | Environment Testing

Client Information

Client Contact: Tim Beaumont
Company: Groundwater & Environmental Services Inc
Address: 6780 Northern Boulevard Suite 100
City: East Syracuse
State, Zip: NY, 13057
Phone:
Email: tbeaumont@gesonline.com
Project Name: Ogdensburg Semi-Annual GW Event Desc: Ogdensburg Semi-An
Site: Ogdensburg Semi-Annual GWS

Sampler: Peter Lyn
Phone: 607-345-6106
PWSID:
Due Date Requested:
TAT Requested (days):
Compliance Project: Δ Yes Δ No
PO #: 0603400-136890-221-1106
WO #:
Project #: 48027231
SSOW#

Lab PM: Beninati, John
E-Mail: John.Beninati@et.eurofinsus.com
Carrier Tracking No(s):
State of Origin:

COC No: 480-192898-40378.2
Page: Page 2 of 2
Job #:

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	90128_NP - Cyanide, Total	8270D - PAH Semivolatiles	8260C - BTEX - 8260	Total Number of containers	Special Instructions/Note:
Preservation Code:							B	N	A		
MW-15RS		11:45	G	Water			1	2	3	6	
MW-17R		12:30	G	Water			1	2	3	6	
MW-19R		10:50	G	Water			1	2	3	6	
MW-20R		10:00	G	Water			1	2	3	6	
Field Duplicate		—	G	Water			1	2	3	6	
Trip Blank		13:45		Water					2	2	

Re- 10.23.24

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time:

Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	10/23/24 1630	GES	[signature]	10.23.24 1630	GES
[signature]	10.23.24 1800	GES	[signature]	10/24/24 1030	ET

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

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-224744-1

Login Number: 224744
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins Buffalo

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