nationalgrid

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

July 31, 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 Watertown Former MGP Site***
Anthony Street
Watertown, New York
2025 Periodic Review Report

Dear Mr. Garland:

Enclosed for your review is the 2025 Periodic Review Report (PRR) for the National Grid Watertown Former MGP Site. The PRR pertains to the period from June 1, 2024 through June 1, 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- Watertown Former MGP Site (NYSDEC Site No. 623029)

Reporting Period – June 1, 2024 through June 1, 2025

I. Introduction

A. **Brief Site Summary** –

The Former Watertown Manufactured Gas Plant (MGP) Site (the Site) is located on an approximate 1.6-acre lot, approximately 150 feet southwest of City Center Drive, 200 feet northeast of Court Street, and 300 feet southwest of the Black River (refer to Figure 1, Site Location Map). The Site is currently occupied by the Empsall Plaza and another commercial building, and a portion of J.B. Wise Place, including a City of Watertown municipal parking lot/picnic pavilion. The MGP was constructed in or before 1884, and operated for approximately 25 years based on the review of the Sanborn maps. The MGP was apparently expanded in 1890 to include a purifying house; and again in 1902 with a third gas holder. MGP-related operations appear to have stopped between 1902 and 1909 with other businesses occupying some of the gas plant buildings. Between 1909 and 1949 all remnants of the MGP-related structures were removed, and between 1949 and 1971 Anthony Street was renamed J.B. Wise Place. The site was previously owned by a predecessor company to Niagara Mohawk Power Corporation.

A remedial investigation (RI), was conducted between 2004 and 2011 to determine the nature and extent of MGP-related impacts at the Site. The results of the RI are presented in detail in the NYSDEC-approved December 2012 RI Repot. Additionally National Grid's September 23, 2013 and February 24, 2016 letters to the NYSDEC presented the results of groundwater sampling events. The RI involved soil, bedrock and groundwater investigations, sewer line evaluation, soil vapor investigations, and riverbank investigations.

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. No off-site impacts to groundwater were found.

B. **Remedial Program Effectiveness** – During the reporting period (June 1, 2024 to June 1, 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 June 1, 2025 to June 1, 2026.

II. Site Overview

A. Site Location and Boundaries –

The Site is located approximately 150 feet southwest of City Center Drive, 200 feet northeast of Court Street, and 300 feet southwest of the Black River, in the City of Watertown, County of Jefferson, New York (Figure 1 presents the site location map). The Site is an approximate 1.6-acre area bounded by Black River Parkway to the north, privately-owned properties to the east, south and west. Currently, the property is occupied by the Empsall Plaza and another commercial building, and a portion of J.B. Wise Place, including a City of Watertown municipal parking lot/picnic pavilion.

B. Regulatory History and Remedy Features –

The Site was remediated between September 2008 and 2011 in accordance with the *Voluntary Consent Order #D0-0001-0011* and the NYSDEC Decision Document for the site issued on September 2, 2014. This PRR is being completed in compliance with Section 5.3 of the NYSDEC – approved Site Management Plan (SMP) for the project. A Deed of Covenants and Restrictions (DCR), dated February 21, 2018 and recorded on March 21, 2018, was placed on the City of Watertown, and shall be 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: Annual site inspection of the cover system includes identification of any damage to the cover (i.e., structures such as buildings and pavement). 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): 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 March 14, 2025. 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 June 1, 2024 to June 1, 2025.

VIII. Additional Guidance – None.

REFERENCES

Arcadis, 2017. "Site Management Plan, Watertown (Anthony Street) Former MGP Site", March 2017.

Attachment 1: Site Inspection Forms

Site Management Plan Inspection Form
Anthony Street
Former MGP Site
Watertown, New York

Date: 3/20/2025 Time: 7:30

Technician: KL Weather: Partly Cloudy 58

General Site Wide Conditions				
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:
Excessive cracking or missing pavement?	YES	NO		COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO		COMMENTS:
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO		COMMENTS:
Have the front lawns been mowed?	YES	NO		COMMENTS: too early to mow
Conditon of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Conditon of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Conditon of the building foundations?	GOOD	FAIR	POOR	COMMENTS:
Are the requirements of the SMP being met?	YES	NO		COMMENTS:
Are there any needed changes?	YES	NO		COMMENTS:
Are the site records complete and up to date?	YES	NO		COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-1	YES	NO
MW-2	YES	NO
MW-3	YES	NO
MW-3R	YES	NO
MW-4R	YES	NO
MW-5R	YES	NO
MW-6R	YES	NO
MW-7R	YES	NO

General Comments:

Building Owner Dan Queri 315-430-5407

Site Management Plan Inspection Form
Anthony Street
Former MGP Site
Watertown, New York

Date: 12/20/2024 Time: 13:30

Technician: KL Weather: Snow 23

General Site Wide Conditions

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:
Excessive cracking or missing pavement?	YES		NO	COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES		NO	COMMENTS:
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO	COMMENTS:
Have the front lawns been mowed?	YES		NO	COMMENTS:
Conditon of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Conditon of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Conditon of the building foundations?	GOOD	FAIR	POOR	COMMENTS:
Are the requirements of the SMP being met?	YES		NO	COMMENTS:
Are there any needed changes?	YES		NO	COMMENTS:
Are the site records complete and up to date?	YES		NO	COMMENTS:

Site Monitoring Wells

Well ID.	*Location Secure*	
MW-1	YES	NO
MW-2	YES	NO
MW-3	YES	NO
MW-3R	YES	NO
MW-4R	YES	NO
MW-5R	YES	NO
MW-6R	YES	NO
MW-7R	YES	NO

General Comments:

Building Owner Dan Queri 315-430-5407

Site Management Plan Inspection Form
Anthony Street
Former MGP Site
Watertown, New York

Date: 9/12/2024 Time: 12:30

Technician: KL Weather: Sunny 71

General Site Wide Conditions				
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:
Excessive cracking or missing pavement?	YES	NO		COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO		COMMENTS:
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO		COMMENTS:
Have the front lawns been mowed?	YES	NO		COMMENTS:
Conditon of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Conditon of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Conditon of the building foundations?	GOOD	FAIR	POOR	COMMENTS:
Are the requirements of the SMP being met?	YES	NO		COMMENTS:
Are there any needed changes?	YES	NO		COMMENTS:
Are the site records complete and up to date?	YES	NO		COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-1	YES	NO
MW-2	YES	NO
MW-3	YES	NO
MW-3R	YES	NO
MW-4R	YES	NO
MW-5R	YES	NO
MW-6R	YES	NO
MW-7R	YES	NO

General Comments:

Building Owner Dan Queri 315-430-5407

Site Management Plan Inspection Form
Anthony Street
Former MGP Site
Watertown, New York

Date: 6/13/2024 Time: 07:30

Technician: Kevin Leo Weather: PC 72

General Site Wide Conditions		
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:
Excessive cracking or missing pavement?	No	COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	No	COMMENTS:
Any repairs, maintenance or corrective actions since the last inspection?	No	COMMENTS:
Have the front lawns been mowed?	Yes	COMMENTS:
Conditon of the asphalt pavement	Good	COMMENTS:
Conditon of the front sidewalks?	Good	COMMENTS:
Conditon of the building foundations?	Good	COMMENTS:
Are the requirements of the SMP being met?	Yes	COMMENTS:
Are there any needed changes?	No	COMMENTS:
Are the site records complete and up to date?	Yes	COMMENTS:

Site Monitoring Wells	
Well ID.	***Location Secure***
MW-1	Yes
MW-2	Yes
MW-3	Yes
MW-3R	Yes
MW-4R	Yes
MW-5R	Yes
MW-6R	Yes
MW-7R	Yes

General Comments:

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. 623029

Site Name NM - Anthony St. - Watertown MGP

Site Address: Anthony St Zip Code: 13601
City/Town: Watertown
County: Jefferson
Site Acreage: 1.600

Reporting Period: June 01, 2024 to June 01, 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? Restricted-Residential, 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. 623029 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
7-01-132.100	259 JB Wise Partners LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

An Environmental Easement is required for the controlled property that a) requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls b) allows the use and development of the controlled property for restricted-residential, commercial and industrial uses, although land use is subject to local zoning laws c) restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH and d) requires compliance with the Department approved Site Management Plan.

A Site Management Plan is required which includes the following: a) an Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective b)an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination c) a provision for further investigation and remediation if any of the existing buildings are demolished, or if the subsurface is otherwise made accessible d)descriptions of the provisions of the deed restriction including any land use, and groundwater use restrictions e) the management and inspection of the identified engineering controls f) maintaining site access controls and Department notification f) the steps necessary for periodic reviews and certification of the institutional and engineering controls.

A Monitoring Plan is required to assess the current conditions at the site. The plan will include a) monitoring of groundwater to assess any change in the current conditions and b) a schedule of monitoring and frequency of submittals to the Department.

7-01-134.1	Fun Xcape LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

An Environmental Easement is required for the controlled property that a) requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls b) allows the use and development of the controlled property for restricted-residential, commercial and industrial uses, although land use is subject to local zoning laws c) restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH and d) requires compliance with the Department approved Site Management Plan.

A Site Management Plan is required which includes the following: a) an Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective b)an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination c) a provision for further investigation and remediation if any of the existing buildings are demolished, or if the subsurface is otherwise made accessible d)descriptions of the provisions of the deed restriction including any land use, and groundwater

use restrictions e) the management and inspection of the identified engineering controls f) maintaining site access controls and Department notification f) the steps necessary for periodic reviews and certification of the institutional and engineering controls.

A Monitoring Plan is required to assess the current conditions at the site. The plan will include a) monitoring of groundwater to assess any change in the current conditions and b) a schedule of monitoring and frequency of submittals to the Department.

7-01-137 City of Watertown

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

A Deed Restriction has been recorded for the controlled property that a) requires the remedial party or siteowner to complete and submit to the Department a periodic certification of institutional and engineering controls b) allows the use and development of the controlled property for restricted-residential, commercial and industrial uses, although land use is subject to local zoning laws c) restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH and d) requires compliance with the Department approved Site Management Plan.

A Site Management Plan is required which includes the following: a) an Institutional and Engineering Control Plan that identifies all use restrictions and
engineering controls for the site and details the steps and media-specific requirements necessary
to ensure the following institutional and/or engineering controls remain in place and effective b)an Excavation Plan which details the provisions for management of future excavations in
areas of remaining contamination c) a provision for further investigation and remediation if any of the existing buildings are demolished, or if the subsurface is otherwise made accessible d)descriptions of the provisions of the deed restriction including any land use, and groundwater
use restrictions e) the management and inspection of the identified engineering controls f) maintaining site access controls and Department notification f) the steps necessary for periodic reviews and certification of the institutional and engineering controls.

A Monitoring Plan is required to assess the current conditions at the site. The plan will include a) monitoring of groundwater to assess any change in the current conditions and b) a schedule of monitoring and frequency of submittals to the Department.

7-01-144 HKBBE Apartments Housing DFC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

An Environmental Easement is required for the controlled property that a) requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls b) allows the use and development of the controlled property for restricted-residential, commercial and industrial uses, although land use is subject to local zoning laws c) restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH and d) requires compliance with the Department approved Site Management Plan.

A Site Management Plan is required which includes the following: a) an Institutional and Engineering Control Plan that identifies all use restrictions and
engineering controls for the site and details the steps and media-specific requirements necessary
to ensure the following institutional and/or engineering controls remain in place and effective b)an Excavation Plan which details the provisions for management of future excavations in
areas of remaining contamination c) a provision for further investigation and remediation if any of the existing buildings are demolished, or if the subsurface is otherwise made accessible d)descriptions of the

provisions of the deed restriction including any land use, and groundwater use restrictions e) the management and inspection of the identified engineering controls f) maintaining site access controls and Department notification f) the steps necessary for periodic reviews and certification of the institutional and engineering controls.

A Monitoring Plan is required to assess the current conditions at the site. The plan will include a) monitoring of groundwater to assess any change in the current conditions and b) a schedule of monitoring and frequency of submittals to the Department.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
7-01-132.100	Cover System Monitoring Wells Fencing/Access Control

A site cover currently exists and will be maintained to allow for restricted-residential use of the site. Any site redevelopment will maintain a site cover, which may consist either of the structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper two feet of exposed soil will exceed the applicable soil cleanup objectives (SCOs) for restricted residential use of the site. Where a soil cover is required it will be a minimum of two feet of soil, meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for restricted-residential use. The soil cover will be placed over a demarcation layer, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer. Any fill material brought to the site will meet the requirements for restricted residential site use as set forth in 6 NYCRR Part 375-6.7(d).

7-01-134.1	Cover System Monitoring Wells

A site cover currently exists and will be maintained to allow for restricted-residential use of the site. Any site redevelopment will maintain a site cover, which may consist either of the structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper two feet of exposed soil will exceed the applicable soil cleanup objectives (SCOs) for restricted residential use of the site. Where a soil cover is required it will be a minimum of two feet of soil, meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for restricted-residential use. The soil cover will be placed over a demarcation layer, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer. Any fill material brought to the site will meet the requirements for restricted residential site use as set forth in 6 NYCRR Part 375-6.7(d).

7-01-137	Cover System Monitoring Wells

A site cover currently exists and will be maintained to allow for restricted-residential use of the site. Any site redevelopment will maintain a site cover, which may consist either of the structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper two feet of exposed soil will exceed the applicable soil cleanup objectives (SCOs) for restricted residential use of the site. Where a soil cover is required it will be a minimum of two feet of soil, meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for restricted-residential use. The soil cover will be placed over a demarcation layer, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer. Any fill material brought to the site will meet the requirements for restricted residential site use as set forth in 6 NYCRR Part 375-6.7(d).

7-01-144	Cover System

A site cover currently exists and will be maintained to allow for restricted-residential use of the site. Any site redevelopment will maintain a site cover, which may consist either of the structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper two feet of exposed soil will exceed the applicable soil cleanup objectives (SCOs) for restricted residential use of the site. Where a soil cover is required it will be a minimum of two feet of soil, meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for restricted-residential use. The soil cover will be placed over a demarcation layer, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer.

Parcel	Engineering Control
Any fill material brought to the site will meet the requirements for restricted residential site use as set forth in 6 NYCRR Part 375-6.7(d).	

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. 623029

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 Cresap, 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
LICENSED PROFESSIONAL ENGINEER

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

7/28/2025
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 Cresap, 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.
LICENSED PROFESSIONAL ENGINEER
08740

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

7/28/2025
Date

Attachment 3: Annual Monitoring Report

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 Former Manufactured Gas Plant Site
Anthony Street, Watertown, New York
Annual Groundwater Monitoring Report

Dear Mr. Garland:

Enclosed for your review is the 2024 Annual Groundwater Monitoring Report for the National Grid Watertown Former MGP Site.

Groundwater and Environmental Services, 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 (March, June, September and December). The site is generally in good shape and in compliance. There were detections of BTEX and/or PAH in three (3) of the six (6) 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 Watertown (Anthony Street) Former MGP Site
Anthony Street, Watertown NY13601

March 2025

Version 1

Annual Groundwater Monitoring Report

National Grid Watertown (Anthony St.) Former
MGP Site
Anthony Street
Watertown, NY 13601

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:
0603500.136010.221

Date:
March 14, 2025

Devin T. Shay, PG
Program Manager / Principal Hydrogeologist

Table of Contents

Figures

Tables

Appendices

1 Introduction

This Annual Groundwater Monitoring Report presents results from the activities conducted at the Watertown (Anthony Street) former non-owned manufactured gas plant (MGP) site located in Watertown, New York (the Site). A site location map is presented on **Figure 1**, and a site map is presented as **Figure 2**. The work summarized in this report is conducted in accordance with the Site Management Plan (SMP) for the Site, which was approved by the New York State Department of Environmental Conservation (NYSDEC) on March 17, 2017.

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

2 Annual Groundwater Monitoring

2.1 Objectives

The objectives of the June 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 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 amended April 2000 and June 2004.

2.2 Groundwater Well Gauging

The June 13, 2024 groundwater monitoring field activities were conducted by GES. Prior to collecting groundwater samples, static fluid level measurements were collected from MW-1, MW-2, MW-3, MW-3R, MW-4R, MW-5R, MW-6R and MW-7R. 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.

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**, and are depicted on **Figure 3**. **Table 1** also includes groundwater elevation measurements obtained during previous groundwater monitoring events.

Groundwater generally flows to the north-northwest from the Site toward the Black River. Groundwater elevations ranged from 422.13 feet above sea level (asl; well MW-7R) to 439.83 feet asl (well MW-3). 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 six (6) monitoring wells on June 13, 2024 (including MW-2, MW-3R, MW-4R, MW-5R, MW-6R and MW-7R). 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 (Eurofins) for laboratory analysis for Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX; EPA Method 8260C), Semi-Volatile Polycyclic Aromatic Hydrocarbons (PAHs; EPA Method 8270D), and 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 **Figure 4**. The Data Usability Summary Report (DUSR) is included in **Appendix C**.

There were BTEX and/or PAH detections in monitoring wells MW-2, MW-3R, and MW-5R. BTEX, acenaphthene, and naphthalene were detected above the regulatory criteria in MW-5R. Cyanide was detected in monitoring wells MW-2, MW-4R, MW-5R, and MW-7R. As shown on **Table 2**, in general, BTEX, PAHs, and total cyanide detected in groundwater during the June 2024 sampling event are lower or consistent compared to previous sampling results.

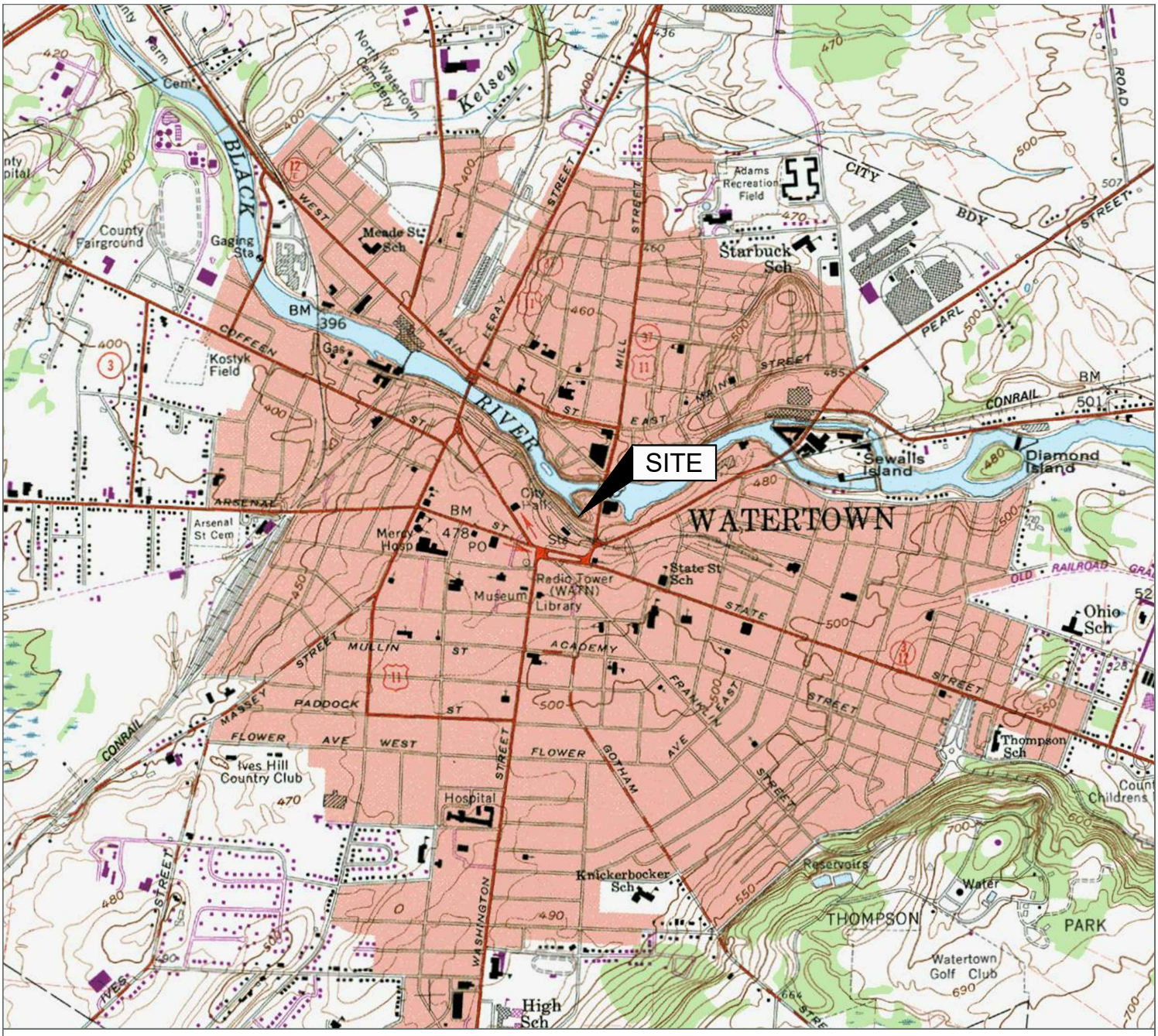
3 Quarterly Site-Wide Inspections

The quarterly site-wide inspections were completed on March 21, June 13, September 12, and December 20, 2024. The Site Inspection Forms are presented in **Appendix A**. In general, the Site is in compliance.

4 Recommendations

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

Figures



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Watertown, New York
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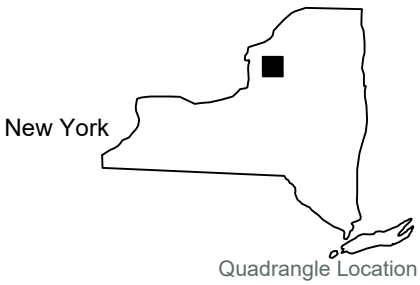

Site Location Map

National Grid
Anthony Street
Watertown, New York

Drawn
W.G.S.
Designed

Approved

Date
8/19/20
Figure
1

N

Scale In Feet
0 2000

Groundwater & Environmental Services, Inc.

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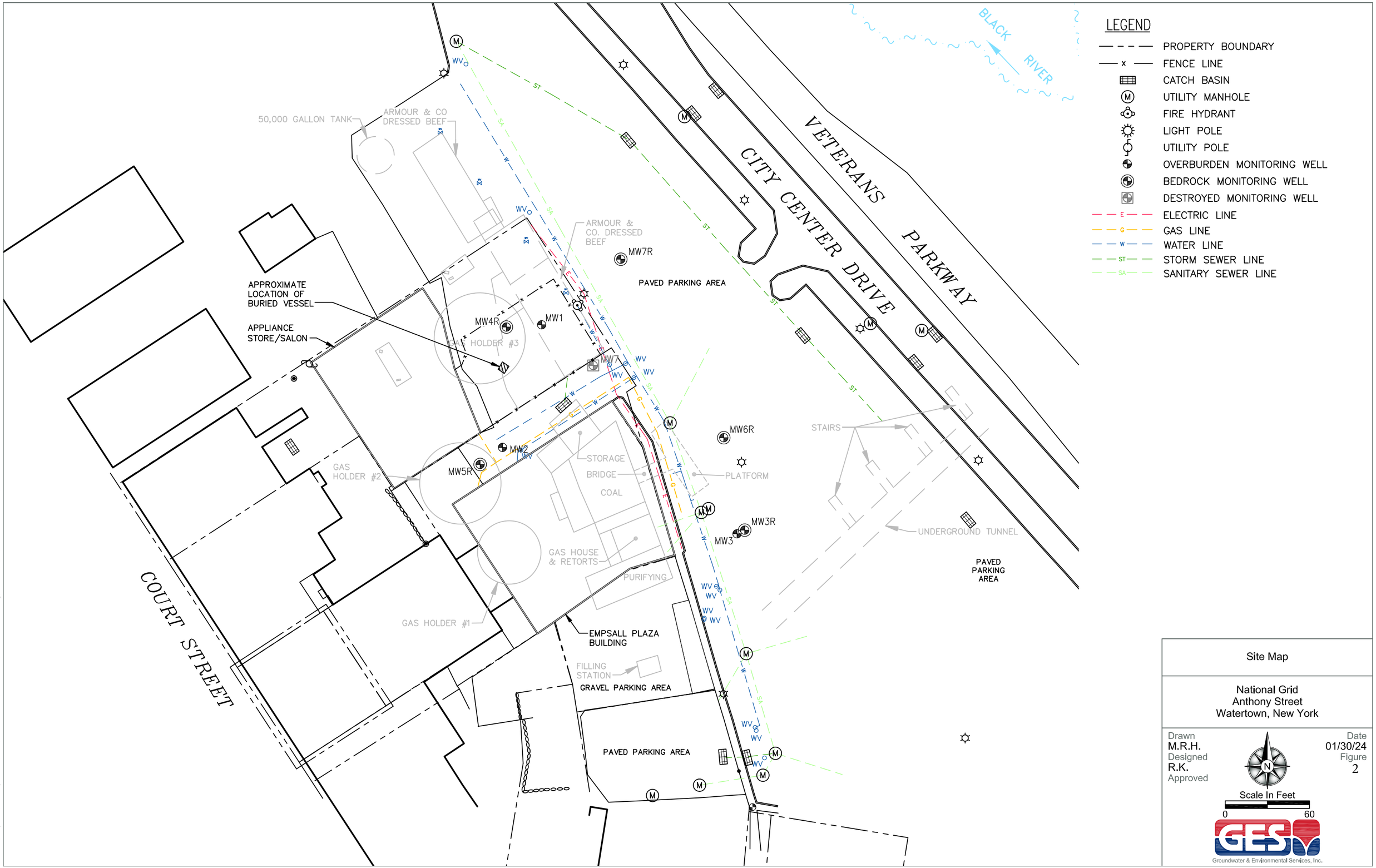

Site Map

National Grid
Anthony Street
Watertown, New York

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

Date
01/30/24
Figure
2

Scale In Feet
0 60

Groundwater & Environmental Services, Inc.

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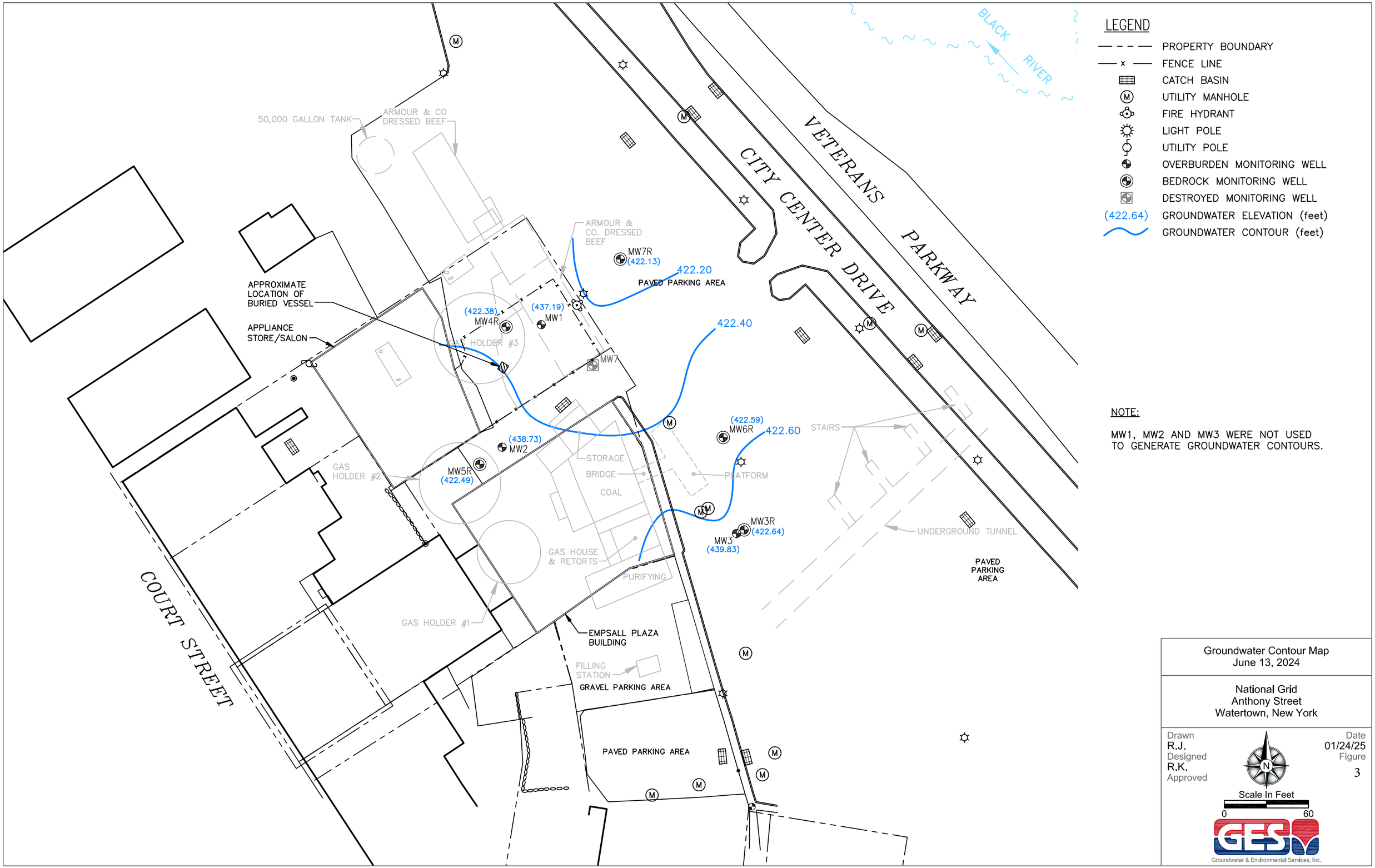

Groundwater Contour Map
June 13, 2024

National Grid
Anthony Street
Watertown, New York

Drawn R.J.
Designed R.K.
Approved

Date 01/24/25
Figure 3

Scale In Feet
0 60

Groundwater & Environmental Services, Inc.

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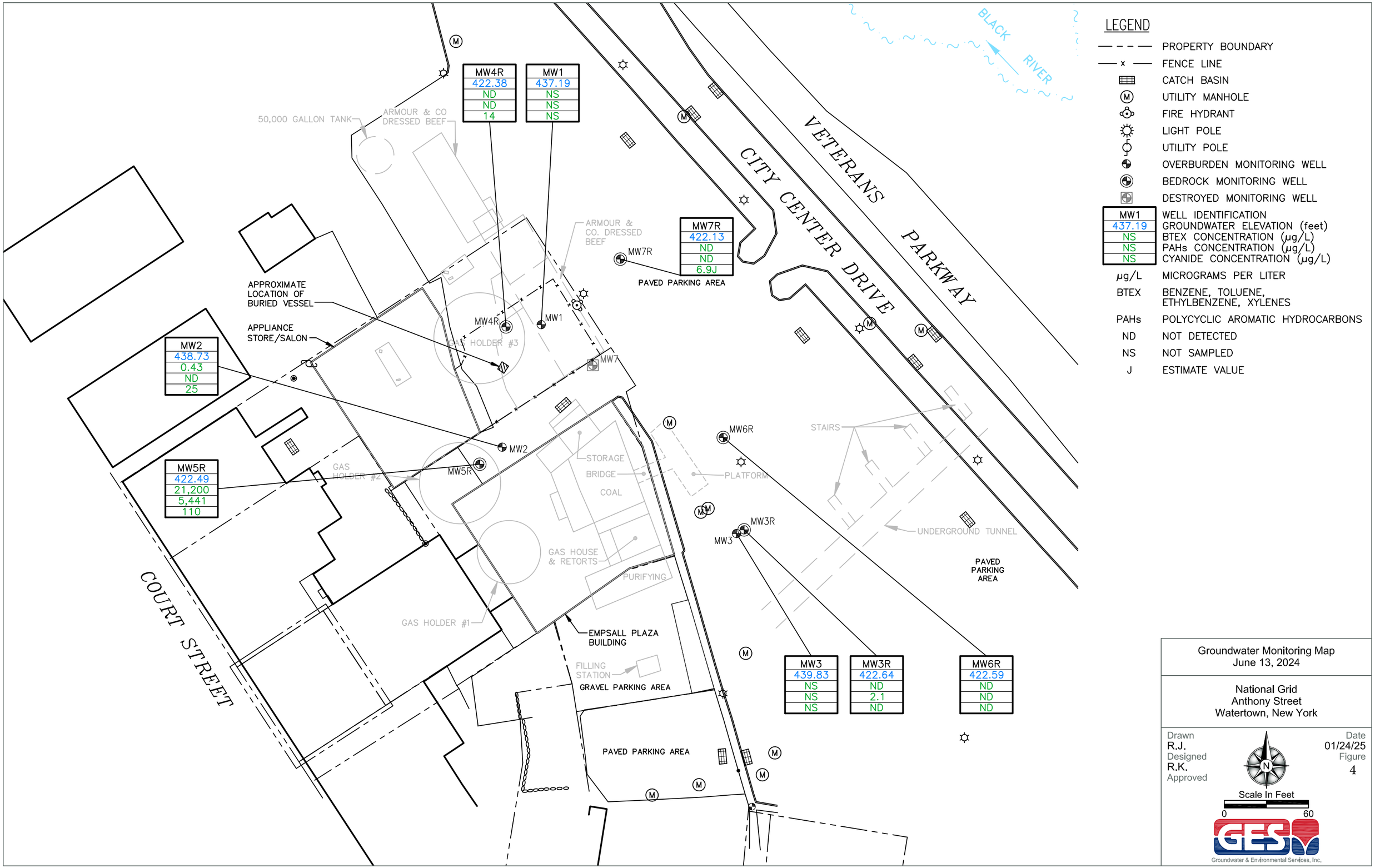

Groundwater Monitoring Map
June 13, 2024

National Grid
Anthony Street
Watertown, New York

Drawn
R.J.
Designed
R.K.
Approved

Date
01/24/25
Figure
4

Scale In Feet
0 60

Groundwater & Environmental Services, Inc.

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Tables

Table 1

Groundwater Monitoring Well Gauging Data

Well ID	Well Type & Diameter	Top of Inner Casing Elevation	Depth To Well Bottom	Well Bottom Elevation	Screen Elevation	Depth To Water (12/14/15	Groundwater Elevation (12/14/15)	Depth To Water (08/11/20)	Groundwater Elevation (08/11/20)	Depth To Water (06/23/21)	Groundwater Elevation (06/23/21)	Depth To Water (06/08/22)	Groundwater Elevation (06/08/22)	Depth To Water (06/28/23)	Groundwater Elevation (06/28/23)	Depth To Water (06/13/24)	Groundwater Elevation (06/13/24)
MW-1	Flushmount; PVC; 2-inch	444.62	8.50	436.12	3.00 - 8.00	7.47	436.92	7.11	437.51	7.45	437.17	7.44	437.18	7.40	437.22	7.43	437.19
MW-2	Flushmount; PVC; 2-inch	444.60	8.50	436.10	3.00 - 8.00	6.00	438.35	5.68	438.92	5.52	439.08	5.30	439.30	5.82	438.78	5.87	438.73
MW-3	Flushmount; PVC; 2-inch	445.39	8.70	436.69	3.20 - 8.20	7.25	438.40	DRY	-	5.74	439.65	DRY	-	DRY	-	5.56	439.83
MW-3R	Flushmount; PVC; 2-inch	445.48	24.40	421.08	14.40 - 24.00	22.81	422.52	22.82	422.66	22.82	422.66	22.78	422.70	22.80	422.68	22.84	422.64
MW-4R	Flushmount; PVC; 2-inch	444.76	50.00	394.76	20.00 - 40.00	23.11	421.22	22.28	422.48	22.39	422.37	22.40	422.36	22.34	422.42	22.38	422.38
MW-5R	Flushmount; PVC; 2-inch	444.60	50.00	394.60	20.00 - 40.00	22.02	422.04	22.00	422.60	22.30	422.30	22.23	422.37	22.20	422.40	22.11	422.49
MW-6R	Flushmount; PVC; 2-inch	445.16	50.00	395.16	18.00 - 40.00	22.56	421.69	22.57	422.59	22.56	422.60	22.53	422.63	22.53	422.63	22.57	422.59
MW-7R	Flushmount; PVC; 2-inch	443.60	45.00	398.60	18.00 - 40.00	21.45	421.67	21.40	422.20	21.48	422.12	21.45	422.15	21.46	422.14	21.47	422.13

Table 2

Groundwater Analytical Data

MW-1

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/27/05	09/08/10	06/25/13	12/15/15	08/11/20
BTEX			ND	ND	ND	ND	ND
Benzene	1	µg/L	ND	ND	ND	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND
SVOCs			ND	ND	6.8 J	ND	0.95
Acenaphthene	20	µg/L	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	**0.86 J**	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	0.79 J	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	**1.1 J**	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	**0.78 J**	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND
Fluorene	50	µg/L	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND
Naphthalene	10	µg/L	ND	ND	ND	ND	0.95
Phenanthrene	50	µg/L	ND	ND	0.77 J	ND	ND
Pyrene	50	µg/L	ND	ND	1.2 J	ND	ND
Inorganics							
Cyanide, Total	200	µg/L	**744**	**596**	**210**	31	150

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-2

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/27/05	10/15/08	09/08/10	06/25/13	12/14/15	08/11/20	06/23/21	06/08/22	06/28/23	06/13/24
BTEX			4.0 J	5.5 J	4.2	2.8	1.4	3.2	1.1	1.6	ND	0.43
Benzene	1	µg/L	**4.0 J**	**4.3**	**2.4**	**2.8**	**1.4**	**3.2**	**1.1**	**1.6**	ND	0.43 J
Ethylbenzene	5	µg/L	ND	0.90 J	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	0.30 J	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs			ND	4.3 J	2.4 J	ND	ND	1.3	1.1	0.50	ND	ND
Acenaphthene	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	µg/L	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
Benzo(a)pyrene	ND	µg/L	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
Benzo(g,h,i)perylene	- -	µg/L	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
Chrysene	0.002	µg/L	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
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	µg/L	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
Naphthalene	10	µg/L	ND	4.3 J	2.4 J	ND	ND	1.3	1.1	0.50	ND	ND
Phenanthrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics												
Cyanide, Total	200	µg/L	98	90	127 J	61	50	70	43	52	40	25

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-3R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/15/08	09/08/10	06/23/13	12/14/15	08/11/20	06/28/23	06/13/24
BTEX			ND	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND	ND	ND
SVOCs			ND	ND	ND	ND	1.1	1.91	2.1
Acenaphthene	20	µg/L	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	**0.11**	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND	ND	**0.17**	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	**0.33**	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	0.16	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	**0.27**	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	**0.15**	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	0.25	ND
Fluorene	50	µg/L	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	**0.12**	ND
Naphthalene	10	µg/L	ND	ND	ND	ND	1.1	0.15	2.1 J
Phenanthrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	0.20	ND
Inorganics									
Cyanide, Total	200	µg/L	2.5 J	ND	5.2 J	5.5 J	ND	140	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-4R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/16/08	09/07/10	06/26/13	12/14/15	08/11/20	06/23/21	06/08/22	06/28/23	06/13/24
BTEX			2,239	769	23.8	7.2 J	2.1	57.0	87.8	1.7	ND
Benzene	1	µg/L	**1,200**	**670 D**	**22**	**7.2 J**	**2.1**	**55.5**	**79.8**	**1.7**	ND
Ethylbenzene	5	µg/L	**510**	**51**	1.8	ND	ND	1.5	4.5	ND	ND
Toluene	5	µg/L	**49**	**6.6**	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	**480**	**41**	ND	ND	ND	ND	3.5	3.5	ND
SVOCs			443 J	16.89 J	ND	ND	1.14	2.3	1.9	0.15	ND
Acenaphthene	20	µg/L	4.3 J	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	µg/L	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
Benzo(a)pyrene	ND	µg/L	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
Benzo(g,h,i)perylene	- -	µg/L	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
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	µg/L	1.3 J	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
Naphthalene	10	µg/L	**430**	**16**	ND	ND	1.0	2.3	1.8	0.15	ND
Phenanthrene	50	µg/L	6.9 J	0.89 J	ND	ND	0.14	ND	0.12	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics											
Cyanide, Total	200	µg/L	ND	ND	11	13	19	12	19	130	14

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

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/15/08	09/08/10	06/23/13	12/15/15	08/11/20	06/23/21	06/08/22	06/28/23	06/13/24
BTEX			20,300	12,800	27,100	8,340	29,290	17,900	29,040	7,300	21,200
Benzene	1	µg/L	**3,800**	**4,200 D**	**6,600 D**	**3900**	**4,370**	**3,350**	**7,760**	**2,180**	**3,600**
Ethylbenzene	5	µg/L	**2,000**	**2,100 D**	**3,500 D**	**740**	**4,350**	**3,250**	**4,460**	**1,620**	**3,500**
Toluene	5	µg/L	**9,700**	**3,600 D**	**11,000 D**	**2600**	**13,200**	**6,720**	**10,400**	**1,480**	**8,500**
Total Xylenes	5	µg/L	**4,800**	**2,900 D**	**6,000 D**	**1100**	**7,370**	**4,580**	**6,420**	**2,020**	**5,600**
SVOCs			1,927 J	2,461 J	3,598 J	2,231 J	7,647	3,158	4,637	1,490	5,441
Acenaphthene	20	µg/L	**70 J**	**74**	**74 J**	**62 DJ**	**78.1**	**82.2**	**102**	**47.0**	**110 J**
Acenaphthylene	- -	µg/L	69 J	26	56 J	17 J	46.3	27.1	ND	4.4	47
Anthracene	50	µg/L	11 J	4.7	5.5 J	ND	4.4	3.8	4.2	1.6	1.3 J
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	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
Benzo(g,h,i)perylene	- -	µg/L	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
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	1.0 J	ND	0.66 J	0.92	0.85	0.71	0.26	1.0 J
Fluorene	50	µg/L	41 J	29	32 J	21 J	29.1	27.8	ND	14.6	48
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	**ND**	ND	ND	ND	ND	ND	ND
Naphthalene	10	µg/L	**1,700**	**2,300 D**	**3,400 D**	**2,200 D**	**7,460**	**2,990**	**4,530**	**1,410**	**5,200**
Phenanthrene	50	µg/L	36 J	26	30 J	20 J	27.8	25.2	ND	11.5	33
Pyrene	50	µg/L	ND	0.71 J	ND	0.56 J	0.74	0.70	0.55	0.20	0.73 J
Inorganics											
Cyanide, Total	200	µg/L	98	ND	180	89	86	96	92	18	110

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-6R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/16/08	09/08/10	06/25/13	12/15/15	08/11/20	06/23/21	06/08/22	06/28/23	06/13/24
BTEX			ND	ND	0.52 J	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	0.52 J	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs			ND	ND	ND	ND	8.58	3.4	1.7	5.12	ND
Acenaphthene	20	µg/L	ND	ND	ND	ND	0.20	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	0.12	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND	0.28	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	**0.22**	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND	ND	ND	ND	**0.43**	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	**0.14**	ND	ND	**0.80**	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	0.53	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	**0.65**	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	**0.19**	ND	ND	0.33	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	0.38	ND	ND	0.55	ND
Fluorene	50	µg/L	ND	ND	ND	ND	0.59	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	**0.35**	ND
Naphthalene	10	µg/L	ND	ND	ND	ND	3.7	3.4	1.7	0.62	ND
Phenanthrene	50	µg/L	ND	ND	ND	ND	2.4	ND	ND	0.13	ND
Pyrene	50	µg/L	ND	ND	ND	ND	0.58	ND	ND	0.51	ND
Inorganics											
Cyanide, Total	200	µg/L	ND	ND	ND	ND	ND	ND	10	11	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-7R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/16/08	09/07/10	06/25/13	12/15/15	08/11/20	06/23/21	06/08/22	06/28/23	06/13/24
BTEX			ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs			ND	ND	ND	ND	2.4	1.0	0.97	0.24	ND
Acenaphthene	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	µg/L	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
Benzo(a)pyrene	ND	µg/L	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
Benzo(g,h,i)perylene	- -	µg/L	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
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	µg/L	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
Naphthalene	10	µg/L	ND	ND	ND	ND	2.4	1.0	0.97	0.24	ND
Phenanthrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics											
Cyanide, Total	200	µg/L	3.1 J	ND	ND	30	ND	ND	12	ND	6.9 J

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
Anthony Street
Former MGP Site
Watertown, New York

Date: 12/20/2024 Time: 13:30

Technician: KL Weather: Snow 23

General Site Wide Conditions

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:
Excessive cracking or missing pavement?	YES		NO	COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES		NO	COMMENTS:
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO	COMMENTS:
Have the front lawns been mowed?	YES		NO	COMMENTS:
Conditon of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Conditon of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Conditon of the building foundations?	GOOD	FAIR	POOR	COMMENTS:
Are the requirements of the SMP being met?	YES		NO	COMMENTS:
Are there any needed changes?	YES		NO	COMMENTS:
Are the site records complete and up to date?	YES		NO	COMMENTS:

Site Monitoring Wells

Well ID.	*Location Secure*	
MW-1	YES	NO
MW-2	YES	NO
MW-3	YES	NO
MW-3R	YES	NO
MW-4R	YES	NO
MW-5R	YES	NO
MW-6R	YES	NO
MW-7R	YES	NO

General Comments:

Building Owner Dan Queri 315-430-5407

Site Management Plan Inspection Form
Anthony Street
Former MGP Site
Watertown, New York

Date: 9/12/2024 Time: 12:30

Technician: KL Weather: Sunny 71

General Site Wide Conditions				
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:
Excessive cracking or missing pavement?	YES	NO		COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO		COMMENTS:
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO		COMMENTS:
Have the front lawns been mowed?	YES	NO		COMMENTS:
Conditon of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Conditon of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Conditon of the building foundations?	GOOD	FAIR	POOR	COMMENTS:
Are the requirements of the SMP being met?	YES	NO		COMMENTS:
Are there any needed changes?	YES	NO		COMMENTS:
Are the site records complete and up to date?	YES	NO		COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-1	YES	NO
MW-2	YES	NO
MW-3	YES	NO
MW-3R	YES	NO
MW-4R	YES	NO
MW-5R	YES	NO
MW-6R	YES	NO
MW-7R	YES	NO

General Comments:

Building Owner Dan Queri 315-430-5407

Site Management Plan Inspection Form
Anthony Street
Former MGP Site
Watertown, New York

Date: 6/13/2024 Time: 07:30

Technician: Kevin Leo Weather: PC 72

General Site Wide Conditions		
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:
Excessive cracking or missing pavement?	No	COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	No	COMMENTS:
Any repairs, maintenance or corrective actions since the last inspection?	No	COMMENTS:
Have the front lawns been mowed?	Yes	COMMENTS:
Conditon of the asphalt pavement	Good	COMMENTS:
Conditon of the front sidewalks?	Good	COMMENTS:
Conditon of the building foundations?	Good	COMMENTS:
Are the requirements of the SMP being met?	Yes	COMMENTS:
Are there any needed changes?	No	COMMENTS:
Are the site records complete and up to date?	Yes	COMMENTS:

Site Monitoring Wells	
Well ID.	***Location Secure***
MW-1	Yes
MW-2	Yes
MW-3	Yes
MW-3R	Yes
MW-4R	Yes
MW-5R	Yes
MW-6R	Yes
MW-7R	Yes

General Comments:

Site Management Plan Inspection Form
Anthony Street
Former MGP Site
Watertown, New York

Date: 3/21/2024 Time: 20:00

Technician: Kevin Leo Weather: Cloudy 19

General Site Wide Conditions		
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:
Excessive cracking or missing pavement?	No	COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	No	COMMENTS:
Any repairs, maintenance or corrective actions since the last inspection?	No	COMMENTS:
Have the front lawns been mowed?	No	COMMENTS:
Conditon of the asphalt pavement	Good	COMMENTS:
Conditon of the front sidewalks?	Good	COMMENTS:
Conditon of the building foundations?	Good	COMMENTS:
Are the requirements of the SMP being met?	Yes	COMMENTS:
Are there any needed changes?	No	COMMENTS:
Are the site records complete and up to date?	Yes	COMMENTS:

Site Monitoring Wells	
Well ID.	***Location Secure***
MW-1	Yes
MW-2	Yes
MW-3	Yes
MW-3R	Yes
MW-4R	Yes
MW-5R	Yes
MW-6R	Yes
MW-7R	Yes

General Comments:

Site Conditions on March 21, 2024

Site Conditions on June 13, 2024

Site Conditions on December 20, 2024

Appendix B – Well Sampling Field Data

National Grid ***Annual Groundwater Sampling Event***
Anthony Street ***June 13, 2024***
Watertown, New York

Well ID	Sample?	Well Size	DTW	DTP	DTB	Comments
MW-1	Yes	2"	7.43		7.85	
MW-2	Yes	2"	5.87		7.30	
MW-3	Yes	2"	5.56		5.76	**historically dry**
MW-3R	Yes	2"	22.84		23.30	
MW-4R	Yes	2"	22.38		44.80	MS/MSD
MW-5R	Yes	2"	22.11		44.45	Field Duplicate
MW-6R	Yes	2"	22.57		45.00	
MW-7R	Yes	2"	21.47		45.05	

DTW *-depth to water*

DTP *-depth to product*

DTB *-depth to bottom*

National Grid
Anthony Street, Watertown New York

Sampling Personnel: KL
Date: 6/13/2024
Job Number: 0603400-136010-221
Weather: PC 75
Well Id. **MW-1**
Time In: 930 Time Out: 950

Well Information

		TOC	Other
Depth to Water:	(feet)	7.43	
Depth to Bottom:	(feet)	7.85	
Depth to Product:	(feet)	np	
Length of Water Column:	(feet)	0.42	
Volume of Water in Well:	(gal)	0.06	
Three Well Volumes:	(gal)	0.201	

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)	0				
Duration of Pumping:	(min)	0				
Total Volume Removed:	(gal)	0				

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)

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-1** Duplicate? Yes [ ] No [X]
Sample Time: MS/MSD? Yes [ ] No [X]

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

Comments/Notes:
No sample, well dry before it filled the flow cell

Laboratory: Eurofins
Amherst, NY

National Grid
Anthony Street, Watertown New York

Sampling Personnel: KL
Date: 6/13/2024
Job Number: 0603400-136010-221
Weather: PC 72
Well Id. **MW-2**
Time In: 840 Time Out: 925

Well Information

		TOC	Other
Depth to Water:	(feet)	5.87	
Depth to Bottom:	(feet)	7.30	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	1.43	
Volume of Water in Well:	(gal)	0.228	
Three Well Volumes:	(gal)	0.686	

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)
850	6.58	16.41	6.71	73	0.594	24.3	7.93	0.391
855	6.86	16.79	6.98	63	0.595	10.6	1.59	0.38
900	6.9	16.82	7	84	0.594	8.5	2.75	0.376
905	6.94	17.09	7.1	106	0.583	6.7	3.86	0.374
910	7.09	17.29	7.13	117	0.58	4.2	4.88	0.371
915								
920								

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** Duplicate? Yes [ ] No [X]
Sample Time: 920 MS/MSD? Yes [ ] No [X]

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

Comments/Notes:
early sample lack of water

Laboratory: Eurofins Amherst, NY

National Grid
Anthony Street, Watertown New York

Sampling Personnel: PL
Date: 6/13/2024
Job Number: 0603400-136010-221
Weather: PC 72
Well Id. **MW-3**
Time In: 850 Time Out: 855

Well Information

		TOC	Other
Depth to Water:	(feet)	5.56	DRY
Depth to Bottom:	(feet)	5.76	
Depth to Product:	(feet)		
Length of Water Column:	(feet)		
Volume of Water in Well:	(gal)		
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" [ ] 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)				
Duration of Pumping:	(min)				
Total Volume Removed:	(gal)				

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)

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-3** Duplicate? Yes [ ] No [X]
Sample Time: MS/MSD? Yes [ ] No [X]

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

Comments/Notes: Well Dry no sample

Laboratory: Eurofins Amherst, NY

National Grid
Anthony Street, Watertown New York

Sampling Personnel: PL
Date: 6/13/2024
Job Number: 0603400-136010-221
Weather: PC 72
Well Id. **MW-3R**
Time In: 900 Time Out: 940

Well Information

		TOC	Other
Depth to Water:	(feet)	22.84	
Depth to Bottom:	(feet)	23.30	
Depth to Product:	(feet)	np	
Length of Water Column:	(feet)	0.46	
Volume of Water in Well:	(gal)	0.073	
Three Well Volumes:	(gal)	0.22	

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)
905	22.85	16.58	7.77	87	2.22	285	7.47	1.42
910	22.86	16.64	7.66	117	2.18	140	7.54	1.4
915	22.86	16.71	7.65	126	2.18	36.2	7.56	1.4
920	22.86	16.72	7.65	133	2.17	18.4	7.61	1.39
925	22.86	16.87	7.63	137	2.18	13.2	7.51	1.39
930	22.86	16.76	7.64	140	2.18	0	7.51	1.39
935	22.86	16.75	7.64	143	2.18	0	7.66	1.39

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-3R** Duplicate? Yes [ ] No [X]
Sample Time: 935 MS/MSD? Yes [ ] No [X]

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

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
Anthony Street, Watertown New York

Sampling Personnel: KL
Date: 6/13/2024
Job Number: 0603400-136010-221
Weather: Sunny 78
Well Id. **MW-4R**
Time In: 950 Time Out: 1030

Well Information

		TOC	Other
Depth to Water:	(feet)	22.38	
Depth to Bottom:	(feet)	44.80	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	22.42	
Volume of Water in Well:	(gal)	3.58	
Three Well Volumes:	(gal)	10.76	

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)
955	22.8	18.12	6.95	-97	2.47	22.6	1.03	1.6
1000	23.55	16.44	7.22	-158	2.76	12.7	0.49	1.77
1005	24.26	16.03	7.28	-171	2.77	9	0.4	1.77
1010	24.57	15.98	7.29	-172	2.73	6.5	0.37	1.74
1015	25.5	15.94	7.17	-169	2.41	4.9	0.35	1.54
1020	26.22	16.03	7.11	-159	2	4.4	0.38	1.28
1025	26.92	16	7.07	-152	1.94	6.2	0.38	1.24

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-4R-MS **MW-4R-MSD**

Sample ID: **MW-4R** Duplicate? Yes [ ] No [X]
Sample Time: 1025 MS/MSD? Yes [X] No [ ]

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

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
Anthony Street, Watertown New York

Sampling Personnel: PL
Date: 6/13/2024
Job Number: 0603400-136010-221
Weather: sunny 80
Well Id. **MW-5R**
Time In: 1038 Time Out: 1120

Well Information

		TOC	Other
Depth to Water:	(feet)	22.11	
Depth to Bottom:	(feet)	44.45	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	22.34	
Volume of Water in Well:	(gal)	3.57	
Three Well Volumes:	(gal)	10.72	

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)
1045	22.55	15.35	7.38	-135	1.19	0.6	1.6	0.76
1050	22.64	14.56	4.35	-148	0.755	0	1.65	0.483
1055	22.7	14.36	7.42	-193	0.908	0	1.55	0.581
1100	22.72	14.37	7.44	-208	0.983	0	1.54	0.629
1105	22.77	14.35	7.46	-222	1.05	0	1.45	0.675
1110	22.8	14.23	7.46	-228	1.08	0	1.4	0.694
1115	22.8	14.3	7.46	-233	1.12	0	1.42	0.715

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	12 - 125 ml plastic	Yes [X] No [ ]

Field Duplicate
Sample ID: **MW-5R** Duplicate? Yes [X] No [ ]
Sample Time: 1151 MS/MSD? Yes [ ] No [X]

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

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
Anthony Street, Watertown New York

Sampling Personnel: PL
Date: 6/13/2024
Job Number: 0603400-136010-221
Weather: sunny 78
Well Id. **MW-6R**
Time In: 950 Time Out: 1030

Well Information

		TOC	Other
Depth to Water:	(feet)	22.57	
Depth to Bottom:	(feet)	45.00	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	22.43	
Volume of Water in Well:	(gal)	3.58	
Three Well Volumes:	(gal)	10.76	

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)
955	22.58	16.36	7.41	-132	4.46	79.7	2.45	22.58
1000	22.58	16.18	7.398	-72	4.423	15.7	1.25	2.83
1005	22.58	15.86	7.37	-58	4.4	0.7	0.73	2.82
1010	22.59	15.95	7.36	-52	4.34	0.3	0.7	2.78
1015	22.59	16	7.34	-27	4.11	0	0.66	2.63
1020	22.59	16	7.39	52	3.46	0	1.47	2.22
1025	22.59	16.07	7.47	105	3.13	0	1.8	2

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-6R** Duplicate? Yes [ ] No [X]
Sample Time: 1025 MS/MSD? Yes [ ] No [X]

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

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
Anthony Street, Watertown New York

Sampling Personnel: KL
Date: 6/13/2024
Job Number: 0603400-136010-221
Weather: Sunny 78
Well Id. **MW-7R**
Time In: 1055 Time Out: 1140

Well Information

		TOC	Other
Depth to Water:	(feet)	21.47	
Depth to Bottom:	(feet)	45.05	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	23.58	
Volume of Water in Well:	(gal)	3.77	
Three Well Volumes:	(gal)	11.31	

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)
1100	21.52	18.35	7.26	99	3.22	17.4	4.03	2.08
1105	21.52	17.18	7.31	108	3.44	10.6	3.76	2.21
1110	21.52	16.51	7.33	123	3.5	5.5	3.77	2.24
1115	21.52	16.57	7.34	134	3.5	6.7	3.78	2.24
1120	21.52	16.25	7.35	143	3.52	6	3.82	2.25
1125	21.52	16.17	7.36	155	3.5	5.3	3.77	2.24
1130	21.52	16.2	7.36	164	3.51	5	3.78	2.25

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-7R** Duplicate? Yes [ ] No [X]
Sample Time: 1130 MS/MSD? Yes [ ] No [X]

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

Comments/Notes:

Laboratory: Eurofins Amherst, NY

Appendix C – Data Usability Summary Report

Groundwater
& Environmental Services, Inc.

701 N Main St. Suite 201 • Blacksburg, Virginia 24060 • (866) 756 0788

February 17, 2025

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

RE: Data Usability Summary Report for National Grid: Watertown, NY Site Data Package
Eurofins Environment Testing Job No. 480-220854-1

Groundwater & Environmental Services, Inc. (GES) reviewed one data package (Laboratory Project Number 480-220854-1) from Eurofins Buffalo in Amherst, NY., for the analysis of groundwater samples collected on June 13, 2024 from monitoring wells located at the National Grid: Watertown, NY Site. Six (6) aqueous samples and a field duplicate were analyzed for volatile organic compounds (VOCs), polyaromatic hydrocarbons (PAHs), and cyanide. A trip blank was analyzed for Vos. Methodologies utilized were those of the USEPA SW846 methods 8260C/8270D/9012B, with additional QC requirements of the NYSDEC ASP.

The data were reported as part of a complete full deliverable type B data validation. This usability report is generated from review of the following:

- 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

The items listed above which show deficiencies were discussed within the text of this narrative.

All of the other items were determined to be acceptable for the DUSR level review.

In addition, method and QC criteria specified in the NYSDEC ASP were implemented. All data are considered valid and acceptable.

Table 1. Validation Qualifiers

Sample ID	Qualifier	Analyte	Reason for qualification
MW-4R	R	Cyanide	MS Recovery << 10%
MW-2 MW-3R MW-4R MW-7R FD	U at 0.11 ug/L U at 0.15 ug/L U at 0.15 ug/L U at 0.24 ug/L U at 0.12 ug/L	Naphthalene	Method blank detection
MW-6R	J- (detected) UJ (non-detected)	All SVOCS	

In summary, sample results were usable as reported, with qualifications and exceptions listed in Table 1.

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

BTEX Volatiles by EPA 8260C/NYSDEC ASP

Sample holding times were met and instrumental tune fragmentations were within acceptance ranges.

There were no positive detections in the blanks.

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

MS/MSD recoveries and associated RPDs were within criteria.

The blind field duplicate correlations for MW-5R were within project criteria of <30%.

PAHs by EPA8270D/NYSDEC ASP

Holding times were met.

Dilutions were required in the field duplicate, MW-5R, and in MW-2. Elevated reporting levels are presented.

Instrument resolution was insufficient to separate benzo(b)fluoranthene and benzo(k)fluoranthene. The analytes were reported as an isomeric pair. Where the data is positively reported, it is considered estimated.

Surrogate recovery was below laboratory control limits for 2-fluorobiphenyl and above for nitrobenzene -d5 for sample MW-5R and the field duplicate. The surrogate issue is due to high target compound presence and subsequent dilutions, and does not indicate an issue with the method efficacy. No qualifiers are required.

Instrumental tune fragmentations were within acceptance ranges. Surrogate recoveries were within analytical and validation criteria.

Blanks show no contamination.

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

LCS recoveries and RPDs were reported within acceptable ranges, with the exception of a high recovery of naphthalene, likely due to the same source as the method blank contamination. All naphthalene detections are qualified as estimated with a possible high bias.

MS/MSD recoveries and RPDs were reported within acceptable ranges.

The blind field duplicate correlations for MW-5R were within project criteria of <30%.

Total Cyanide by 9012B/ NYSDEC ASP

Review was conducted for method compliance, holding times, transcription, calculations, standard and blank acceptability, accuracy and precision, etc., as applicable to each procedure. All were found acceptable for the validated samples.

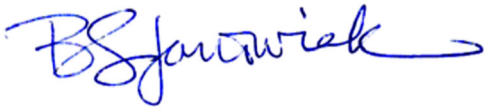
Calibration standard responses were compliant. Blanks show no detections above the reporting limits. The laboratory spikes and duplicates of total cyanide show acceptable recoveries and/or correlations.

The blind field duplicate correlations for MW-5R were within project criteria of <30%.

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.



Bonnie Janowiak, Ph.D.
Principal Environmental Chemist, NRCC Certified
202 North Main Street
Kent Square North, Suite 200
Blacksburg, VA 24060

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.

Sample Summaries

and

Laboratory Case Narratives

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site:

Job ID: 480-220854-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-220854-1	Trip Blank	Water	06/13/24 10:43	06/14/24 11:00
480-220854-2	MW-2	Water	06/13/24 09:00	06/14/24 11:00
480-220854-3	MW-3R	Water	06/13/24 09:35	06/14/24 11:00
480-220854-4	MW-4R	Water	06/13/24 10:25	06/14/24 11:00
480-220854-5	MW-5R	Water	06/13/24 11:15	06/14/24 11:00
480-220854-6	MW-6R	Water	06/13/24 10:25	06/14/24 11:00
480-220854-7	MW-7R	Water	06/13/24 11:30	06/14/24 11:00
480-220854-8	Field Duplicate	Water	06/13/24 00:00	06/14/24 11:00

Job Narrative
480-220854-1

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 6/14/2024 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-5R (480-220854-5) and Field Duplicate (480-220854-8). 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 sample required a dilution due to the nature of the sample matrix: Field Duplicate (480-220854-8). 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 due to color, appearance and viscosity: MW-2 (480-220854-2). Elevated reporting limits (RL) are provided.

Method 8270D: The following sample required a dilution due to the nature of the sample matrix: Field Duplicate (480-220854-8). 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 required a dilution due to the nature of the sample matrix: MW-5R (480-220854-5). 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 (480-220854-8). Elevated reporting limits (RLs) are provided.

Method 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-5R (480-220854-5). Elevated reporting limits (RLs) are provided.

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

General Chemistry
No additional analytical or quality issues were noted, other than those described above or 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 6/25/2024 9:19:45 AM

JOB DESCRIPTION

Watertown Annual GWS

JOB NUMBER

480-220854-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

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
6/25/2024 9:19:45 AM

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: 480-220854-1

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.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

General Chemistry

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.

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
480-220854-1

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 6/14/2024 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-5R (480-220854-5) and Field Duplicate (480-220854-8). 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 sample required a dilution due to the nature of the sample matrix: Field Duplicate (480-220854-8). 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 due to color, appearance and viscosity: MW-2 (480-220854-2). Elevated reporting limits (RL) are provided.

Method 8270D: The following sample required a dilution due to the nature of the sample matrix: Field Duplicate (480-220854-8). 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 required a dilution due to the nature of the sample matrix: MW-5R (480-220854-5). 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 (480-220854-8). Elevated reporting limits (RLs) are provided.

Method 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-5R (480-220854-5). Elevated reporting limits (RLs) are provided.

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

General Chemistry
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: 480-220854-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-220854-1

No Detections.

Client Sample ID: MW-2 — Lab Sample ID: 480-220854-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.43	J	1.0	0.41	ug/L	1		8260C	Total/NA
Cyanide, Total	0.025		0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-3R — Lab Sample ID: 480-220854-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	2.1	J	5.0	0.76	ug/L	1		8270D	Total/NA

Client Sample ID: MW-4R — Lab Sample ID: 480-220854-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.014		0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-5R — Lab Sample ID: 480-220854-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3600		200	82	ug/L	200		8260C	Total/NA
Toluene	8500		200	100	ug/L	200		8260C	Total/NA
Ethylbenzene	3500		200	150	ug/L	200		8260C	Total/NA
m-Xylene & p-Xylene	4000		400	130	ug/L	200		8260C	Total/NA
o-Xylene	1600		200	150	ug/L	200		8260C	Total/NA
Xylenes, Total	5600		400	130	ug/L	200		8260C	Total/NA
Total BTEX	21000		400	200	ug/L	200		8260C	Total/NA
Acenaphthene	140	E	5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	47		5.0	0.38	ug/L	1		8270D	Total/NA
Anthracene	1.3	J	5.0	0.28	ug/L	1		8270D	Total/NA
Fluoranthene	1.0	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	48		5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	600	E	5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	33		5.0	0.44	ug/L	1		8270D	Total/NA
Pyrene	0.73	J	5.0	0.34	ug/L	1		8270D	Total/NA
Acenaphthene - DL	110	J	1000	82	ug/L	200		8270D	Total/NA
Naphthalene - DL	5200		1000	150	ug/L	200		8270D	Total/NA
Cyanide, Total	0.11		0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: MW-6R — Lab Sample ID: 480-220854-6

No Detections.

Client Sample ID: MW-7R — Lab Sample ID: 480-220854-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.0069	J	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: Field Duplicate — Lab Sample ID: 480-220854-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3800		200	82	ug/L	200		8260C	Total/NA
Toluene	8000		200	100	ug/L	200		8260C	Total/NA
Ethylbenzene	3400		200	150	ug/L	200		8260C	Total/NA
m-Xylene & p-Xylene	3900		400	130	ug/L	200		8260C	Total/NA
o-Xylene	1500		200	150	ug/L	200		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: Field Duplicate (Continued) Lab Sample ID: 480-220854-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	5400		400	130	ug/L	200		8260C	Total/NA
Total BTEX	21000		400	200	ug/L	200		8260C	Total/NA
Acenaphthene	130		100	8.2	ug/L	20		8270D	Total/NA
Acenaphthylene	42	J	100	7.6	ug/L	20		8270D	Total/NA
Fluorene	45	J	100	7.2	ug/L	20		8270D	Total/NA
Naphthalene	3400	E	100	15	ug/L	20		8270D	Total/NA
Phenanthrene	36	J	100	8.8	ug/L	20		8270D	Total/NA
Acenaphthene - DL	120	J	1000	82	ug/L	200		8270D	Total/NA
Naphthalene - DL	5300		1000	150	ug/L	200		8270D	Total/NA
Cyanide, Total	0.11		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: 480-220854-1
Date Collected: 06/13/24 10:43
Matrix: Water
Date Received: 06/14/24 11:00

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			06/17/24 17:29	1
Toluene	ND		1.0	0.51	ug/L			06/17/24 17:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/17/24 17:29	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/17/24 17:29	1
o-Xylene	ND		1.0	0.76	ug/L			06/17/24 17:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/17/24 17:29	1
Total BTEX	ND		2.0	1.0	ug/L			06/17/24 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/17/24 17:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*06/17/24 17:29*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*06/17/24 17:29*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*06/17/24 17:29*	*1*

Client Sample ID: MW-2
Lab Sample ID: 480-220854-2
Date Collected: 06/13/24 09:00
Matrix: Water
Date Received: 06/14/24 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.43**	**J**	1.0	0.41	ug/L			06/17/24 17:52	1
Toluene	ND		1.0	0.51	ug/L			06/17/24 17:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/17/24 17:52	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/17/24 17:52	1
o-Xylene	ND		1.0	0.76	ug/L			06/17/24 17:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/17/24 17:52	1
Total BTEX	ND		2.0	1.0	ug/L			06/17/24 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/17/24 17:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*06/17/24 17:52*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*06/17/24 17:52*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*06/17/24 17:52*	*1*

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		06/17/24 13:34	06/18/24 22:42	10
Acenaphthylene	ND		50	3.8	ug/L		06/17/24 13:34	06/18/24 22:42	10
Anthracene	ND		50	2.8	ug/L		06/17/24 13:34	06/18/24 22:42	10
Benzo[a]anthracene	ND		50	3.6	ug/L		06/17/24 13:34	06/18/24 22:42	10
Benzo[a]pyrene	ND		50	4.7	ug/L		06/17/24 13:34	06/18/24 22:42	10
Benzo[b]fluoranthene	ND		50	3.4	ug/L		06/17/24 13:34	06/18/24 22:42	10
Benzo[g,h,i]perylene	ND		50	3.5	ug/L		06/17/24 13:34	06/18/24 22:42	10
Benzo[k]fluoranthene	ND		50	7.3	ug/L		06/17/24 13:34	06/18/24 22:42	10
Chrysene	ND		50	3.3	ug/L		06/17/24 13:34	06/18/24 22:42	10
Dibenz(a,h)anthracene	ND		50	4.2	ug/L		06/17/24 13:34	06/18/24 22:42	10
Fluoranthene	ND		50	4.0	ug/L		06/17/24 13:34	06/18/24 22:42	10
Fluorene	ND		50	3.6	ug/L		06/17/24 13:34	06/18/24 22:42	10
Indeno[1,2,3-cd]pyrene	ND		50	4.7	ug/L		06/17/24 13:34	06/18/24 22:42	10
Naphthalene	ND		50	7.6	ug/L		06/17/24 13:34	06/18/24 22:42	10
Phenanthrene	ND		50	4.4	ug/L		06/17/24 13:34	06/18/24 22:42	10
Pyrene	ND		50	3.4	ug/L		06/17/24 13:34	06/18/24 22:42	10

Client Sample ID: MW-2
Lab Sample ID: 480-220854-2
Date Collected: 06/13/24 09:00
Matrix: Water
Date Received: 06/14/24 11:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	64		53 - 126	06/17/24 13:34	06/18/24 22:42	10
Nitrobenzene-d5 (Surr)	64		29 - 129	06/17/24 13:34	06/18/24 22:42	10
p-Terphenyl-d14 (Surr)	64		33 - 132	06/17/24 13:34	06/18/24 22:42	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.025**		0.010	0.0041	mg/L			06/19/24 01:53	1

Client Sample ID: MW-3R
Lab Sample ID: 480-220854-3
Date Collected: 06/13/24 09:35
Matrix: Water
Date Received: 06/14/24 11:00

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			06/17/24 18:14	1
Toluene	ND		1.0	0.51	ug/L			06/17/24 18:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/17/24 18:14	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/17/24 18:14	1
o-Xylene	ND		1.0	0.76	ug/L			06/17/24 18:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/17/24 18:14	1
Total BTEX	ND		2.0	1.0	ug/L			06/17/24 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		06/17/24 18:14	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		06/17/24 18:14	1
4-Bromofluorobenzene (Surr)	103		73 - 120		06/17/24 18:14	1
Dibromofluoromethane (Surr)	107		75 - 123		06/17/24 18:14	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		06/17/24 13:34	06/18/24 23:10	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/17/24 13:34	06/18/24 23:10	1
Anthracene	ND		5.0	0.28	ug/L		06/17/24 13:34	06/18/24 23:10	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		06/17/24 13:34	06/18/24 23:10	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		06/17/24 13:34	06/18/24 23:10	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		06/17/24 13:34	06/18/24 23:10	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		06/17/24 13:34	06/18/24 23:10	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		06/17/24 13:34	06/18/24 23:10	1
Chrysene	ND		5.0	0.33	ug/L		06/17/24 13:34	06/18/24 23:10	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/17/24 13:34	06/18/24 23:10	1
Fluoranthene	ND		5.0	0.40	ug/L		06/17/24 13:34	06/18/24 23:10	1
Fluorene	ND		5.0	0.36	ug/L		06/17/24 13:34	06/18/24 23:10	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		06/17/24 13:34	06/18/24 23:10	1
Naphthalene	**2.1**	**J**	5.0	0.76	ug/L		06/17/24 13:34	06/18/24 23:10	1
Phenanthrene	ND		5.0	0.44	ug/L		06/17/24 13:34	06/18/24 23:10	1
Pyrene	ND		5.0	0.34	ug/L		06/17/24 13:34	06/18/24 23:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	102		53 - 126	06/17/24 13:34	06/18/24 23:10	1
Nitrobenzene-d5 (Surr)	90		29 - 129	06/17/24 13:34	06/18/24 23:10	1
p-Terphenyl-d14 (Surr)	81		33 - 132	06/17/24 13:34	06/18/24 23:10	1

Client Sample ID: MW-3R
Date Collected: 06/13/24 09:35
Date Received: 06/14/24 11:00

Lab Sample ID: 480-220854-3
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			06/19/24 01:56	1

Client Sample ID: MW-4R
Date Collected: 06/13/24 10:25
Date Received: 06/14/24 11:00

Lab Sample ID: 480-220854-4
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			06/17/24 18:36	1
Toluene	ND		1.0	0.51	ug/L			06/17/24 18:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/17/24 18:36	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/17/24 18:36	1
o-Xylene	ND		1.0	0.76	ug/L			06/17/24 18:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/17/24 18:36	1
Total BTEX	ND		2.0	1.0	ug/L			06/17/24 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/17/24 18:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*06/17/24 18:36*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*06/17/24 18:36*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*06/17/24 18:36*	*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		06/17/24 13:34	06/18/24 19:03	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/17/24 13:34	06/18/24 19:03	1
Anthracene	ND		5.0	0.28	ug/L		06/17/24 13:34	06/18/24 19:03	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		06/17/24 13:34	06/18/24 19:03	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		06/17/24 13:34	06/18/24 19:03	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		06/17/24 13:34	06/18/24 19:03	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		06/17/24 13:34	06/18/24 19:03	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		06/17/24 13:34	06/18/24 19:03	1
Chrysene	ND		5.0	0.33	ug/L		06/17/24 13:34	06/18/24 19:03	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/17/24 13:34	06/18/24 19:03	1
Fluoranthene	ND		5.0	0.40	ug/L		06/17/24 13:34	06/18/24 19:03	1
Fluorene	ND		5.0	0.36	ug/L		06/17/24 13:34	06/18/24 19:03	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		06/17/24 13:34	06/18/24 19:03	1
Naphthalene	ND		5.0	0.76	ug/L		06/17/24 13:34	06/18/24 19:03	1
Phenanthrene	ND		5.0	0.44	ug/L		06/17/24 13:34	06/18/24 19:03	1
Pyrene	ND		5.0	0.34	ug/L		06/17/24 13:34	06/18/24 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*63*		*53 - 126*	*06/17/24 13:34*	*06/18/24 19:03*	*1*
Nitrobenzene-d5 (Surr)	*65*		*29 - 129*	*06/17/24 13:34*	*06/18/24 19:03*	*1*
p-Terphenyl-d14 (Surr)	*64*		*33 - 132*	*06/17/24 13:34*	*06/18/24 19:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.014**		0.010	0.0041	mg/L			06/19/24 03:01	1

Client Sample ID: MW-5R
Date Collected: 06/13/24 11:15
Date Received: 06/14/24 11:00

Lab Sample ID: 480-220854-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3600**		200	82	ug/L			06/17/24 18:59	200
Toluene	**8500**		200	100	ug/L			06/17/24 18:59	200
Ethylbenzene	**3500**		200	150	ug/L			06/17/24 18:59	200
m-Xylene & p-Xylene	**4000**		400	130	ug/L			06/17/24 18:59	200
o-Xylene	**1600**		200	150	ug/L			06/17/24 18:59	200
Xylenes, Total	**5600**		400	130	ug/L			06/17/24 18:59	200
Total BTEX	**21000**		400	200	ug/L			06/17/24 18:59	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/17/24 18:59*	*200*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*06/17/24 18:59*	*200*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*06/17/24 18:59*	*200*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*06/17/24 18:59*	*200*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**140**	**E**	5.0	0.41	ug/L		06/17/24 13:34	06/18/24 23:37	1
Acenaphthylene	**47**		5.0	0.38	ug/L		06/17/24 13:34	06/18/24 23:37	1
Anthracene	**1.3**	**J**	5.0	0.28	ug/L		06/17/24 13:34	06/18/24 23:37	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		06/17/24 13:34	06/18/24 23:37	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		06/17/24 13:34	06/18/24 23:37	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		06/17/24 13:34	06/18/24 23:37	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		06/17/24 13:34	06/18/24 23:37	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		06/17/24 13:34	06/18/24 23:37	1
Chrysene	ND		5.0	0.33	ug/L		06/17/24 13:34	06/18/24 23:37	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/17/24 13:34	06/18/24 23:37	1
Fluoranthene	**1.0**	**J**	5.0	0.40	ug/L		06/17/24 13:34	06/18/24 23:37	1
Fluorene	**48**		5.0	0.36	ug/L		06/17/24 13:34	06/18/24 23:37	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		06/17/24 13:34	06/18/24 23:37	1
Naphthalene	**600**	**E**	5.0	0.76	ug/L		06/17/24 13:34	06/18/24 23:37	1
Phenanthrene	**33**		5.0	0.44	ug/L		06/17/24 13:34	06/18/24 23:37	1
Pyrene	**0.73**	**J**	5.0	0.34	ug/L		06/17/24 13:34	06/18/24 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*91*		*53 - 126*	*06/17/24 13:34*	*06/18/24 23:37*	*1*
Nitrobenzene-d5 (Surr)	*90*		*29 - 129*	*06/17/24 13:34*	*06/18/24 23:37*	*1*
p-Terphenyl-d14 (Surr)	*75*		*33 - 132*	*06/17/24 13:34*	*06/18/24 23:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**110**	**J**	1000	82	ug/L		06/17/24 13:34	06/20/24 11:55	200
Acenaphthylene	ND		1000	76	ug/L		06/17/24 13:34	06/20/24 11:55	200
Anthracene	ND		1000	56	ug/L		06/17/24 13:34	06/20/24 11:55	200
Benzo[a]anthracene	ND		1000	72	ug/L		06/17/24 13:34	06/20/24 11:55	200
Benzo[a]pyrene	ND		1000	94	ug/L		06/17/24 13:34	06/20/24 11:55	200
Benzo[b]fluoranthene	ND		1000	68	ug/L		06/17/24 13:34	06/20/24 11:55	200
Benzo[g,h,i]perylene	ND		1000	70	ug/L		06/17/24 13:34	06/20/24 11:55	200
Benzo[k]fluoranthene	ND		1000	150	ug/L		06/17/24 13:34	06/20/24 11:55	200
Chrysene	ND		1000	66	ug/L		06/17/24 13:34	06/20/24 11:55	200
Dibenz(a,h)anthracene	ND		1000	84	ug/L		06/17/24 13:34	06/20/24 11:55	200
Fluoranthene	ND		1000	80	ug/L		06/17/24 13:34	06/20/24 11:55	200

Client Sample ID: MW-5R
Lab Sample ID: 480-220854-5
Date Collected: 06/13/24 11:15
Matrix: Water
Date Received: 06/14/24 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		1000	72	ug/L		06/17/24 13:34	06/20/24 11:55	200
Indeno[1,2,3-cd]pyrene	ND		1000	94	ug/L		06/17/24 13:34	06/20/24 11:55	200
Naphthalene	**5200**		1000	150	ug/L		06/17/24 13:34	06/20/24 11:55	200
Phenanthrene	ND		1000	88	ug/L		06/17/24 13:34	06/20/24 11:55	200
Pyrene	ND		1000	68	ug/L		06/17/24 13:34	06/20/24 11:55	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*38*	*S1-*	*53 - 126*	*06/17/24 13:34*	*06/20/24 11:55*	*200*
Nitrobenzene-d5 (Surr)	*217*	*S1+*	*29 - 129*	*06/17/24 13:34*	*06/20/24 11:55*	*200*
p-Terphenyl-d14 (Surr)	*63*		*33 - 132*	*06/17/24 13:34*	*06/20/24 11:55*	*200*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.11**		0.010	0.0041	mg/L			06/19/24 02:19	1

Client Sample ID: MW-6R
Lab Sample ID: 480-220854-6
Date Collected: 06/13/24 10:25
Matrix: Water
Date Received: 06/14/24 11:00

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			06/17/24 19:21	1
Toluene	ND		1.0	0.51	ug/L			06/17/24 19:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/17/24 19:21	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/17/24 19:21	1
o-Xylene	ND		1.0	0.76	ug/L			06/17/24 19:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/17/24 19:21	1
Total BTEX	ND		2.0	1.0	ug/L			06/17/24 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/17/24 19:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*06/17/24 19:21*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*06/17/24 19:21*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*06/17/24 19:21*	*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		06/17/24 13:34	06/19/24 00:04	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/17/24 13:34	06/19/24 00:04	1
Anthracene	ND		5.0	0.28	ug/L		06/17/24 13:34	06/19/24 00:04	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		06/17/24 13:34	06/19/24 00:04	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		06/17/24 13:34	06/19/24 00:04	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		06/17/24 13:34	06/19/24 00:04	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		06/17/24 13:34	06/19/24 00:04	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		06/17/24 13:34	06/19/24 00:04	1
Chrysene	ND		5.0	0.33	ug/L		06/17/24 13:34	06/19/24 00:04	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/17/24 13:34	06/19/24 00:04	1
Fluoranthene	ND		5.0	0.40	ug/L		06/17/24 13:34	06/19/24 00:04	1
Fluorene	ND		5.0	0.36	ug/L		06/17/24 13:34	06/19/24 00:04	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		06/17/24 13:34	06/19/24 00:04	1
Naphthalene	ND		5.0	0.76	ug/L		06/17/24 13:34	06/19/24 00:04	1
Phenanthrene	ND		5.0	0.44	ug/L		06/17/24 13:34	06/19/24 00:04	1

Client Sample ID: MW-6R
Date Collected: 06/13/24 10:25
Date Received: 06/14/24 11:00

Lab Sample ID: 480-220854-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		5.0	0.34	ug/L		06/17/24 13:34	06/19/24 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*92*		*53 - 126*	*06/17/24 13:34*	*06/19/24 00:04*	*1*
Nitrobenzene-d5 (Surr)	*79*		*29 - 129*	*06/17/24 13:34*	*06/19/24 00:04*	*1*
p-Terphenyl-d14 (Surr)	*87*		*33 - 132*	*06/17/24 13:34*	*06/19/24 00:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			06/19/24 02:29	1

Client Sample ID: MW-7R
Date Collected: 06/13/24 11:30
Date Received: 06/14/24 11:00

Lab Sample ID: 480-220854-7
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			06/17/24 19:43	1
Toluene	ND		1.0	0.51	ug/L			06/17/24 19:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/17/24 19:43	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/17/24 19:43	1
o-Xylene	ND		1.0	0.76	ug/L			06/17/24 19:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/17/24 19:43	1
Total BTEX	ND		2.0	1.0	ug/L			06/17/24 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/17/24 19:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*06/17/24 19:43*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*06/17/24 19:43*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*06/17/24 19:43*	*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		06/17/24 13:34	06/19/24 00:32	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/17/24 13:34	06/19/24 00:32	1
Anthracene	ND		5.0	0.28	ug/L		06/17/24 13:34	06/19/24 00:32	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		06/17/24 13:34	06/19/24 00:32	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		06/17/24 13:34	06/19/24 00:32	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		06/17/24 13:34	06/19/24 00:32	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		06/17/24 13:34	06/19/24 00:32	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		06/17/24 13:34	06/19/24 00:32	1
Chrysene	ND		5.0	0.33	ug/L		06/17/24 13:34	06/19/24 00:32	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/17/24 13:34	06/19/24 00:32	1
Fluoranthene	ND		5.0	0.40	ug/L		06/17/24 13:34	06/19/24 00:32	1
Fluorene	ND		5.0	0.36	ug/L		06/17/24 13:34	06/19/24 00:32	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		06/17/24 13:34	06/19/24 00:32	1
Naphthalene	ND		5.0	0.76	ug/L		06/17/24 13:34	06/19/24 00:32	1
Phenanthrene	ND		5.0	0.44	ug/L		06/17/24 13:34	06/19/24 00:32	1
Pyrene	ND		5.0	0.34	ug/L		06/17/24 13:34	06/19/24 00:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*99*		*53 - 126*	*06/17/24 13:34*	*06/19/24 00:32*	*1*

Client Sample ID: MW-7R

Lab Sample ID: 480-220854-7

Date Collected: 06/13/24 11:30

Matrix: Water

Date Received: 06/14/24 11:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*88*		*29 - 129*	*06/17/24 13:34*	*06/19/24 00:32*	*1*
p-Terphenyl-d14 (Surr)	*82*		*33 - 132*	*06/17/24 13:34*	*06/19/24 00:32*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.0069**	**J**	0.010	0.0041	mg/L			06/19/24 02:33	1

Client Sample ID: Field Duplicate

Lab Sample ID: 480-220854-8

Date Collected: 06/13/24 00:00

Matrix: Water

Date Received: 06/14/24 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3800**		200	82	ug/L			06/17/24 20:06	200
Toluene	**8000**		200	100	ug/L			06/17/24 20:06	200
Ethylbenzene	**3400**		200	150	ug/L			06/17/24 20:06	200
m-Xylene & p-Xylene	**3900**		400	130	ug/L			06/17/24 20:06	200
o-Xylene	**1500**		200	150	ug/L			06/17/24 20:06	200
Xylenes, Total	**5400**		400	130	ug/L			06/17/24 20:06	200
Total BTEX	**21000**		400	200	ug/L			06/17/24 20:06	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/17/24 20:06*	*200*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*06/17/24 20:06*	*200*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*06/17/24 20:06*	*200*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*06/17/24 20:06*	*200*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**130**		100	8.2	ug/L		06/17/24 13:34	06/19/24 00:59	20
Acenaphthylene	**42**	**J**	100	7.6	ug/L		06/17/24 13:34	06/19/24 00:59	20
Anthracene	ND		100	5.6	ug/L		06/17/24 13:34	06/19/24 00:59	20
Benzo[a]anthracene	ND		100	7.2	ug/L		06/17/24 13:34	06/19/24 00:59	20
Benzo[a]pyrene	ND		100	9.4	ug/L		06/17/24 13:34	06/19/24 00:59	20
Benzo[b]fluoranthene	ND		100	6.8	ug/L		06/17/24 13:34	06/19/24 00:59	20
Benzo[g,h,i]perylene	ND		100	7.0	ug/L		06/17/24 13:34	06/19/24 00:59	20
Benzo[k]fluoranthene	ND		100	15	ug/L		06/17/24 13:34	06/19/24 00:59	20
Chrysene	ND		100	6.6	ug/L		06/17/24 13:34	06/19/24 00:59	20
Dibenz(a,h)anthracene	ND		100	8.4	ug/L		06/17/24 13:34	06/19/24 00:59	20
Fluoranthene	ND		100	8.0	ug/L		06/17/24 13:34	06/19/24 00:59	20
Fluorene	**45**	**J**	100	7.2	ug/L		06/17/24 13:34	06/19/24 00:59	20
Indeno[1,2,3-cd]pyrene	ND		100	9.4	ug/L		06/17/24 13:34	06/19/24 00:59	20
Naphthalene	**3400**	**E**	100	15	ug/L		06/17/24 13:34	06/19/24 00:59	20
Phenanthrene	**36**	**J**	100	8.8	ug/L		06/17/24 13:34	06/19/24 00:59	20
Pyrene	ND		100	6.8	ug/L		06/17/24 13:34	06/19/24 00:59	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	*96*		*53 - 126*	*06/17/24 13:34*	*06/19/24 00:59*	*20*
Nitrobenzene-d5 (Surr)	*97*		*29 - 129*	*06/17/24 13:34*	*06/19/24 00:59*	*20*
p-Terphenyl-d14 (Surr)	*71*		*33 - 132*	*06/17/24 13:34*	*06/19/24 00:59*	*20*

Client: Groundwater & Environmental Services Inc | Job ID: 480-220854-1

Client Sample ID: Field Duplicate

Lab Sample ID: 480-220854-8

Date Collected: 06/13/24 00:00

Matrix: Water

Date Received: 06/14/24 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**120**	**J**	1000	82	ug/L		06/17/24 13:34	06/19/24 17:06	200
Acenaphthylene	ND		1000	76	ug/L		06/17/24 13:34	06/19/24 17:06	200
Anthracene	ND		1000	56	ug/L		06/17/24 13:34	06/19/24 17:06	200
Benzo[a]anthracene	ND		1000	72	ug/L		06/17/24 13:34	06/19/24 17:06	200
Benzo[a]pyrene	ND		1000	94	ug/L		06/17/24 13:34	06/19/24 17:06	200
Benzo[b]fluoranthene	ND		1000	68	ug/L		06/17/24 13:34	06/19/24 17:06	200
Benzo[g,h,i]perylene	ND		1000	70	ug/L		06/17/24 13:34	06/19/24 17:06	200
Benzo[k]fluoranthene	ND		1000	150	ug/L		06/17/24 13:34	06/19/24 17:06	200
Chrysene	ND		1000	66	ug/L		06/17/24 13:34	06/19/24 17:06	200
Dibenz(a,h)anthracene	ND		1000	84	ug/L		06/17/24 13:34	06/19/24 17:06	200
Fluoranthene	ND		1000	80	ug/L		06/17/24 13:34	06/19/24 17:06	200
Fluorene	ND		1000	72	ug/L		06/17/24 13:34	06/19/24 17:06	200
Indeno[1,2,3-cd]pyrene	ND		1000	94	ug/L		06/17/24 13:34	06/19/24 17:06	200
Naphthalene	**5300**		1000	150	ug/L		06/17/24 13:34	06/19/24 17:06	200
Phenanthrene	ND		1000	88	ug/L		06/17/24 13:34	06/19/24 17:06	200
Pyrene	ND		1000	68	ug/L		06/17/24 13:34	06/19/24 17:06	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*47*	*S1-*	*53 - 126*	*06/17/24 13:34*	*06/19/24 17:06*	*200*
Nitrobenzene-d5 (Surr)	*209*	*S1+*	*29 - 129*	*06/17/24 13:34*	*06/19/24 17:06*	*200*
p-Terphenyl-d14 (Surr)	*74*		*33 - 132*	*06/17/24 13:34*	*06/19/24 17:06*	*200*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.11**		0.010	0.0041	mg/L			06/19/24 02:36	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-220854-1

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)
480-220854-1	Trip Blank	98	101	105	102
480-220854-2	MW-2	98	101	105	105
480-220854-3	MW-3R	98	102	103	107
480-220854-4	MW-4R	98	100	104	103
480-220854-4 MS	MW-4R	99	100	103	103
480-220854-4 MSD	MW-4R	101	100	103	103
480-220854-5	MW-5R	100	103	102	106
480-220854-6	MW-6R	98	102	102	105
480-220854-7	MW-7R	98	103	101	107
480-220854-8	Field Duplicate	99	106	103	107
LCS 480-715791/6	Lab Control Sample	100	103	103	104
MB 480-715791/8	Method Blank	98	104	102	106

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)
480-220854-2	MW-2	64	64	64
480-220854-3	MW-3R	102	90	81
480-220854-4	MW-4R	63	65	64
480-220854-4 MS	MW-4R	71	67	63
480-220854-4 MSD	MW-4R	69	63	65
480-220854-5	MW-5R	91	90	75
480-220854-5 - DL	MW-5R	38 S1-	217 S1+	63
480-220854-6	MW-6R	92	79	87
480-220854-7	MW-7R	99	88	82
480-220854-8	Field Duplicate	96	97	71
480-220854-8 - DL	Field Duplicate	47 S1-	209 S1+	74
LCS 480-715826/2-A	Lab Control Sample	77	66	91
MB 480-715826/1-A	Method Blank	72	64	84

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 480-715791/8
Matrix: Water
Analysis Batch: 715791

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			06/17/24 12:46	1
Toluene	ND		1.0	0.51	ug/L			06/17/24 12:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/17/24 12:46	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/17/24 12:46	1
o-Xylene	ND		1.0	0.76	ug/L			06/17/24 12:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/17/24 12:46	1
Total BTEX	ND		2.0	1.0	ug/L			06/17/24 12:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/17/24 12:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*06/17/24 12:46*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*06/17/24 12:46*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*06/17/24 12:46*	*1*

Lab Sample ID: LCS 480-715791/6
Matrix: Water
Analysis Batch: 715791

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	26.0		ug/L		104	71 - 124
Toluene	25.0	26.1		ug/L		105	80 - 122
Ethylbenzene	25.0	26.3		ug/L		105	77 - 123
m-Xylene & p-Xylene	25.0	26.8		ug/L		107	76 - 122
o-Xylene	25.0	27.2		ug/L		109	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*

Lab Sample ID: 480-220854-4 MS
Matrix: Water
Analysis Batch: 715791

Client Sample ID: MW-4R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		25.0	28.2		ug/L		113	71 - 124
Toluene	ND		25.0	28.3		ug/L		113	80 - 122
Ethylbenzene	ND		25.0	28.8		ug/L		115	77 - 123
m-Xylene & p-Xylene	ND		25.0	29.3		ug/L		117	76 - 122
o-Xylene	ND		25.0	29.8		ug/L		119	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

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

Lab Sample ID: 480-220854-4 MSD **Client Sample ID: MW-4R**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 715791

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		25.0	27.8		ug/L		111	71 - 124	1	13
Toluene	ND		25.0	28.5		ug/L		114	80 - 122	1	15
Ethylbenzene	ND		25.0	28.4		ug/L		114	77 - 123	1	15
m-Xylene & p-Xylene	ND		25.0	28.7		ug/L		115	76 - 122	2	16
o-Xylene	ND		25.0	29.6		ug/L		118	76 - 122	1	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

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

Lab Sample ID: MB 480-715826/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 715899 **Prep Batch: 715826**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		06/17/24 13:34	06/18/24 15:52	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/17/24 13:34	06/18/24 15:52	1
Anthracene	ND		5.0	0.28	ug/L		06/17/24 13:34	06/18/24 15:52	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		06/17/24 13:34	06/18/24 15:52	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		06/17/24 13:34	06/18/24 15:52	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		06/17/24 13:34	06/18/24 15:52	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		06/17/24 13:34	06/18/24 15:52	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		06/17/24 13:34	06/18/24 15:52	1
Chrysene	ND		5.0	0.33	ug/L		06/17/24 13:34	06/18/24 15:52	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/17/24 13:34	06/18/24 15:52	1
Fluoranthene	ND		5.0	0.40	ug/L		06/17/24 13:34	06/18/24 15:52	1
Fluorene	ND		5.0	0.36	ug/L		06/17/24 13:34	06/18/24 15:52	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		06/17/24 13:34	06/18/24 15:52	1
Naphthalene	ND		5.0	0.76	ug/L		06/17/24 13:34	06/18/24 15:52	1
Phenanthrene	ND		5.0	0.44	ug/L		06/17/24 13:34	06/18/24 15:52	1
Pyrene	ND		5.0	0.34	ug/L		06/17/24 13:34	06/18/24 15:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*72*		*53 - 126*	*06/17/24 13:34*	*06/18/24 15:52*	*1*
Nitrobenzene-d5 (Surr)	*64*		*29 - 129*	*06/17/24 13:34*	*06/18/24 15:52*	*1*
p-Terphenyl-d14 (Surr)	*84*		*33 - 132*	*06/17/24 13:34*	*06/18/24 15:52*	*1*

Lab Sample ID: LCS 480-715826/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 715899 **Prep Batch: 715826**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	32.0	24.8		ug/L		78	60 - 120
Acenaphthylene	32.0	24.4		ug/L		76	63 - 120
Anthracene	32.0	32.3		ug/L		101	67 - 120

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

Lab Sample ID: LCS 480-715826/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 715899 **Prep Batch: 715826**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]anthracene	32.0	30.0		ug/L		94	70 - 121
Benzo[a]pyrene	32.0	32.6		ug/L		102	60 - 123
Benzo[b]fluoranthene	32.0	31.2		ug/L		98	66 - 126
Benzo[g,h,i]perylene	32.0	33.6		ug/L		105	66 - 150
Benzo[k]fluoranthene	32.0	31.1		ug/L		97	65 - 124
Chrysene	32.0	29.8		ug/L		93	69 - 120
Dibenz(a,h)anthracene	32.0	34.3		ug/L		107	65 - 135
Fluoranthene	32.0	35.0		ug/L		109	69 - 126
Fluorene	32.0	29.2		ug/L		91	66 - 120
Indeno[1,2,3-cd]pyrene	32.0	30.5		ug/L		95	69 - 146
Naphthalene	32.0	22.3		ug/L		70	57 - 120
Phenanthrene	32.0	32.9		ug/L		103	68 - 120
Pyrene	32.0	28.8		ug/L		90	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*77*		*53 - 126*
Nitrobenzene-d5 (Surr)	*66*		*29 - 129*
p-Terphenyl-d14 (Surr)	*91*		*33 - 132*

Lab Sample ID: 480-220854-4 MS **Client Sample ID: MW-4R**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 715899 **Prep Batch: 715826**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		32.0	23.8		ug/L		74	48 - 120
Acenaphthylene	ND		32.0	23.6		ug/L		74	63 - 120
Anthracene	ND		32.0	28.1		ug/L		88	65 - 122
Benzo[a]anthracene	ND		32.0	24.8		ug/L		78	43 - 124
Benzo[a]pyrene	ND		32.0	25.8		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	26.1		ug/L		81	16 - 147
Benzo[k]fluoranthene	ND		32.0	29.3		ug/L		92	20 - 124
Chrysene	ND		32.0	24.5		ug/L		76	44 - 122
Dibenz(a,h)anthracene	ND		32.0	26.7		ug/L		84	16 - 139
Fluoranthene	ND		32.0	30.5		ug/L		95	63 - 129
Fluorene	ND		32.0	26.0		ug/L		81	62 - 120
Indeno[1,2,3-cd]pyrene	ND		32.0	23.6		ug/L		74	16 - 140
Naphthalene	ND		32.0	22.0		ug/L		69	45 - 120
Phenanthrene	ND		32.0	28.7		ug/L		90	65 - 122
Pyrene	ND		32.0	24.6		ug/L		77	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*71*		*53 - 126*
Nitrobenzene-d5 (Surr)	*67*		*29 - 129*
p-Terphenyl-d14 (Surr)	*63*		*33 - 132*

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

Lab Sample ID: 480-220854-4 MSD **Client Sample ID: MW-4R**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 715899 **Prep Batch: 715826**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		32.0	23.6		ug/L		74	48 - 120	1	24
Acenaphthylene	ND		32.0	23.6		ug/L		74	63 - 120	0	18
Anthracene	ND		32.0	28.0		ug/L		87	65 - 122	1	15
Benzo[a]anthracene	ND		32.0	25.2		ug/L		79	43 - 124	1	15
Benzo[a]pyrene	ND		32.0	25.7		ug/L		80	23 - 125	0	15
Benzo[b]fluoranthene	ND		32.0	25.1		ug/L		78	27 - 127	0	15
Benzo[g,h,i]perylene	ND		32.0	25.5		ug/L		80	16 - 147	2	15
Benzo[k]fluoranthene	ND		32.0	29.8		ug/L		93	20 - 124	1	22
Chrysene	ND		32.0	25.1		ug/L		79	44 - 122	3	15
Dibenz(a,h)anthracene	ND		32.0	26.4		ug/L		82	16 - 139	1	15
Fluoranthene	ND		32.0	29.8		ug/L		93	63 - 129	2	15
Fluorene	ND		32.0	25.9		ug/L		81	62 - 120	0	15
Indeno[1,2,3-cd]pyrene	ND		32.0	23.2		ug/L		72	16 - 140	2	15
Naphthalene	ND		32.0	21.0		ug/L		66	45 - 120	5	29
Phenanthrene	ND		32.0	28.4		ug/L		89	65 - 122	1	15
Pyrene	ND		32.0	24.8		ug/L		78	58 - 128	1	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*69*		*53 - 126*
Nitrobenzene-d5 (Surr)	*63*		*29 - 129*
p-Terphenyl-d14 (Surr)	*65*		*33 - 132*

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

Lab Sample ID: MB 480-716133/117 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 716133

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0041	mg/L			06/19/24 00:41	1

Lab Sample ID: MB 480-716133/145 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 716133

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0041	mg/L			06/19/24 02:14	1

Lab Sample ID: MB 480-716133/173 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 716133

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0041	mg/L			06/19/24 03:47	1

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

Lab Sample ID: HLCS 480-716133/22 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 716133

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.413		mg/L		103	90 - 110

Lab Sample ID: LCS 480-716133/118 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 716133

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

Lab Sample ID: LCS 480-716133/146 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 716133

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.248		mg/L		99	90 - 110

Lab Sample ID: LCS 480-716133/174 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 716133

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

Lab Sample ID: 480-220854-4 MS — **Client Sample ID: MW-4R**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 716133

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.014		0.100	0.108		mg/L		95	90 - 110

Lab Sample ID: 480-220854-4 MSD — **Client Sample ID: MW-4R**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 716133

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.014		0.100	0.107		mg/L		94	90 - 110	1	15

Lab Sample ID: 480-220854-5 MS — **Client Sample ID: MW-5R**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 716133

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.11		0.100	0.204		mg/L		92	90 - 110

GC/MS VOA

Analysis Batch: 715791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220854-1	Trip Blank	Total/NA	Water	8260C	
480-220854-2	MW-2	Total/NA	Water	8260C	
480-220854-3	MW-3R	Total/NA	Water	8260C	
480-220854-4	MW-4R	Total/NA	Water	8260C	
480-220854-5	MW-5R	Total/NA	Water	8260C	
480-220854-6	MW-6R	Total/NA	Water	8260C	
480-220854-7	MW-7R	Total/NA	Water	8260C	
480-220854-8	Field Duplicate	Total/NA	Water	8260C	
MB 480-715791/8	Method Blank	Total/NA	Water	8260C	
LCS 480-715791/6	Lab Control Sample	Total/NA	Water	8260C	
480-220854-4 MS	MW-4R	Total/NA	Water	8260C	
480-220854-4 MSD	MW-4R	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 715826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220854-2	MW-2	Total/NA	Water	3510C	
480-220854-3	MW-3R	Total/NA	Water	3510C	
480-220854-4	MW-4R	Total/NA	Water	3510C	
480-220854-5 - DL	MW-5R	Total/NA	Water	3510C	
480-220854-5	MW-5R	Total/NA	Water	3510C	
480-220854-6	MW-6R	Total/NA	Water	3510C	
480-220854-7	MW-7R	Total/NA	Water	3510C	
480-220854-8 - DL	Field Duplicate	Total/NA	Water	3510C	
480-220854-8	Field Duplicate	Total/NA	Water	3510C	
MB 480-715826/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-715826/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-220854-4 MS	MW-4R	Total/NA	Water	3510C	
480-220854-4 MSD	MW-4R	Total/NA	Water	3510C	

Analysis Batch: 715899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220854-2	MW-2	Total/NA	Water	8270D	715826
480-220854-3	MW-3R	Total/NA	Water	8270D	715826
480-220854-4	MW-4R	Total/NA	Water	8270D	715826
480-220854-5	MW-5R	Total/NA	Water	8270D	715826
480-220854-6	MW-6R	Total/NA	Water	8270D	715826
480-220854-7	MW-7R	Total/NA	Water	8270D	715826
480-220854-8	Field Duplicate	Total/NA	Water	8270D	715826
MB 480-715826/1-A	Method Blank	Total/NA	Water	8270D	715826
LCS 480-715826/2-A	Lab Control Sample	Total/NA	Water	8270D	715826
480-220854-4 MS	MW-4R	Total/NA	Water	8270D	715826
480-220854-4 MSD	MW-4R	Total/NA	Water	8270D	715826

Analysis Batch: 716054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220854-8 - DL	Field Duplicate	Total/NA	Water	8270D	715826

Analysis Batch: 716218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220854-5 - DL	MW-5R	Total/NA	Water	8270D	715826

General Chemistry

Analysis Batch: 716133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220854-2	MW-2	Total/NA	Water	9012B	
480-220854-3	MW-3R	Total/NA	Water	9012B	
480-220854-4	MW-4R	Total/NA	Water	9012B	
480-220854-5	MW-5R	Total/NA	Water	9012B	
480-220854-6	MW-6R	Total/NA	Water	9012B	
480-220854-7	MW-7R	Total/NA	Water	9012B	
480-220854-8	Field Duplicate	Total/NA	Water	9012B	
MB 480-716133/117	Method Blank	Total/NA	Water	9012B	
MB 480-716133/145	Method Blank	Total/NA	Water	9012B	
MB 480-716133/173	Method Blank	Total/NA	Water	9012B	
HLCS 480-716133/22	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-716133/118	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-716133/146	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-716133/174	Lab Control Sample	Total/NA	Water	9012B	
480-220854-4 MS	MW-4R	Total/NA	Water	9012B	
480-220854-4 MSD	MW-4R	Total/NA	Water	9012B	
480-220854-5 MS	MW-5R	Total/NA	Water	9012B	

Lab Chronicle

Client Sample ID: Trip Blank
Lab Sample ID: 480-220854-1
Date Collected: 06/13/24 10:43
Matrix: Water
Date Received: 06/14/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	715791	AXK	EET BUF	06/17/24 17:29

Client Sample ID: MW-2
Lab Sample ID: 480-220854-2
Date Collected: 06/13/24 09:00
Matrix: Water
Date Received: 06/14/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	715791	AXK	EET BUF	06/17/24 17:52
Total/NA	Prep	3510C			715826	LSC	EET BUF	06/17/24 13:34
Total/NA	Analysis	8270D		10	715899	EMD	EET BUF	06/18/24 22:42
Total/NA	Analysis	9012B		1	716133	GW	EET BUF	06/19/24 01:53

Client Sample ID: MW-3R
Lab Sample ID: 480-220854-3
Date Collected: 06/13/24 09:35
Matrix: Water
Date Received: 06/14/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	715791	AXK	EET BUF	06/17/24 18:14
Total/NA	Prep	3510C			715826	LSC	EET BUF	06/17/24 13:34
Total/NA	Analysis	8270D		1	715899	EMD	EET BUF	06/18/24 23:10
Total/NA	Analysis	9012B		1	716133	GW	EET BUF	06/19/24 01:56

Client Sample ID: MW-4R
Lab Sample ID: 480-220854-4
Date Collected: 06/13/24 10:25
Matrix: Water
Date Received: 06/14/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	715791	AXK	EET BUF	06/17/24 18:36
Total/NA	Prep	3510C			715826	LSC	EET BUF	06/17/24 13:34
Total/NA	Analysis	8270D		1	715899	EMD	EET BUF	06/18/24 19:03
Total/NA	Analysis	9012B		1	716133	GW	EET BUF	06/19/24 03:01

Client Sample ID: MW-5R
Lab Sample ID: 480-220854-5
Date Collected: 06/13/24 11:15
Matrix: Water
Date Received: 06/14/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		200	715791	AXK	EET BUF	06/17/24 18:59
Total/NA	Prep	3510C			715826	LSC	EET BUF	06/17/24 13:34
Total/NA	Analysis	8270D		1	715899	EMD	EET BUF	06/18/24 23:37
Total/NA	Prep	3510C	DL		715826	LSC	EET BUF	06/17/24 13:34
Total/NA	Analysis	8270D	DL	200	716218	EMD	EET BUF	06/20/24 11:55
Total/NA	Analysis	9012B		1	716133	GW	EET BUF	06/19/24 02:19

Lab Chronicle

Client Sample ID: MW-6R
Lab Sample ID: 480-220854-6
Date Collected: 06/13/24 10:25
Matrix: Water
Date Received: 06/14/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	715791	AXK	EET BUF	06/17/24 19:21
Total/NA	Prep	3510C			715826	LSC	EET BUF	06/17/24 13:34
Total/NA	Analysis	8270D		1	715899	EMD	EET BUF	06/19/24 00:04
Total/NA	Analysis	9012B		1	716133	GW	EET BUF	06/19/24 02:29

Client Sample ID: MW-7R
Lab Sample ID: 480-220854-7
Date Collected: 06/13/24 11:30
Matrix: Water
Date Received: 06/14/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	715791	AXK	EET BUF	06/17/24 19:43
Total/NA	Prep	3510C			715826	LSC	EET BUF	06/17/24 13:34
Total/NA	Analysis	8270D		1	715899	EMD	EET BUF	06/19/24 00:32
Total/NA	Analysis	9012B		1	716133	GW	EET BUF	06/19/24 02:33

Client Sample ID: Field Duplicate
Lab Sample ID: 480-220854-8
Date Collected: 06/13/24 00:00
Matrix: Water
Date Received: 06/14/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		200	715791	AXK	EET BUF	06/17/24 20:06
Total/NA	Prep	3510C			715826	LSC	EET BUF	06/17/24 13:34
Total/NA	Analysis	8270D		20	715899	EMD	EET BUF	06/19/24 00:59
Total/NA	Prep	3510C	DL		715826	LSC	EET BUF	06/17/24 13:34
Total/NA	Analysis	8270D	DL	200	716054	EMD	EET BUF	06/19/24 17:06
Total/NA	Analysis	9012B		1	716133	GW	EET BUF	06/19/24 02:36

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: 480-220854-1

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: 480-220854-1

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
Project/Site:

Job ID: 480-220854-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-220854-1	Trip Blank	Water	06/13/24 10:43	06/14/24 11:00
480-220854-2	MW-2	Water	06/13/24 09:00	06/14/24 11:00
480-220854-3	MW-3R	Water	06/13/24 09:35	06/14/24 11:00
480-220854-4	MW-4R	Water	06/13/24 10:25	06/14/24 11:00
480-220854-5	MW-5R	Water	06/13/24 11:15	06/14/24 11:00
480-220854-6	MW-6R	Water	06/13/24 10:25	06/14/24 11:00
480-220854-7	MW-7R	Water	06/13/24 11:30	06/14/24 11:00
480-220854-8	Field Duplicate	Water	06/13/24 00:00	06/14/24 11:00

Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Syracuse eurofins Environment Testing

#225

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: Watertown Annual GWS Event Desc: Watertown Annual GWS
Site: New York

Sampler: KL
Phone: 315 877 1360
PWSID:
Due Date Requested:
TAT Requested (days):
Compliance Project: Δ Yes Δ No
PO #: 0603400-136010-221-1106
WO #:
Project #: 48027231
SSOW#:

Lab PM: Beninati, John
E-Mail: John.Beninati@et.eurofinsus.com
Carrier Tracking No(s):
State of Origin:

COC No: 480-195167-40601.1
Page: Page 1 of 2
Job #:

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
N - None
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	9012B_NP - Cyanide, Total	8270D - PAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	B	N		
Trip Blank	6/13/24	10:43		Water							
MW-1				Water							
MW-2		09:20		Water							
MW-3				Water							
MW-3R		09:35		Water							
MW-4R		10:25		Water							
MW-4R-MS		10:25		Water							
MW-4R-MSD		10:25		Water							
MW-5R		11:15		Water							
MW-6R		10:25		Water							
MW-7R		11:30		Water							

480-220854 Chain of Custody

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

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

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:

	Date/Time	Company		Date/Time	Company
Relinquished by:	6/13/24 12:00	GES	Received by:	6/14/24 1100	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: #1 3.0

Ver: 04/02/2024

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

Chain of Custody Record

eurofins | Environment Testing

Syracuse

#225

Client Information	Sampler:	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-195167-40601.2
Client Contact: Tim Beaumont	Phone: 315 877 1368	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 #: 0603400-136010-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Watertown Annual GWS Event Desc: Watertown Annual GWS	Project #: 48027231			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
N - None

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	9012B_NP - Cyanide, Total	8270D - PAH Semivolatiles	Total Number of containers	Special Instructions/Note:
Preservation Code:							A	B	N		
Field Duplicate	6/13/24	~~10:45~~	G	Water							

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 6/13/24 17:20	Company: GES	Received by: Walker
Relinquished by:	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	Received by:

Date/Time: 6/14/24 1100	Company: TAB
Date/Time:	Company:
Date/Time:	Company:

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

Cooler Temperature(s) °C and Other Remarks:

Ver: 04/02/2024

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-220854-1

Login Number: 220854
List Number: 1
Creator: Wallace, Cameron

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.	False	No: Analyses are listed on COC; individual samples are not designated Spec Analy
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	