EARTH
ENVIRONMENT
Engineering and Geology P.C.

January 15, 2026

Ms. Megan Kuczka
New York State Department of Environmental Conservation
Division of Environmental Remediation
700 Delaware Avenue
Buffalo, New York 14209

Subject: **Periodic Review Report**
November 30, 2022 - November 30, 2025
Buffalo Outer Harbor-Radio Tower Area
NYSDEC Site No. 915026

Dear Ms. Kuczka:

Earth Environment Engineering and Geology P.C. (EEEG), formerly MACTEC Engineering and Geology, P.C. (MACTEC) is submitting this Periodic Review Report (PRR) for the Buffalo Outer Harbor-Radio Tower Area (Site) on behalf of the Remedial Party, Solstice Advanced Materials.

A completed Site Management PRR Notice - Institutional and Engineering Controls Certification Form is provided herein as Attachment A, which includes a summary of existing covenants and property use restrictions. Supporting Tables, Figures, and Appendices are included herein as Attachment B. The remainder of this document is consistent with the outline presented in New York State Department of Environmental Conservation's (NYSDEC's) 45-day notice letter dated October 21, 2025.

I. Introduction

A. Site Summary:

The Site is located on property owned by Erie Canal Harbor Development Corporation (ECHDC). A Site Location Plan is included in Attachment B.1. ECHDC purchased the property from Niagara Frontier Transportation Authority on August 30, 2016. The Site address is 901 Fuhrmann Boulevard in Buffalo, Erie County, New York 14205. The Site consists of an approximately 0.9-acre area where land disposal and fill placement formerly occurred, and soils were found to be contaminated with nitrobenzene exceeding toxicity characteristic leaching procedure (TCLP) hazardous waste thresholds. The Site is located within a larger 6-acre area known as the Radio Tower Area (RTA). A Record of Decision (ROD) was issued by the NYSDEC for the RTA in March 1999; the ROD was modified by an Explanation of Significant Difference in 2003.

Remedial action completed at the Site consisted of in-situ chemical oxidation and stabilization, and in-place capping of the former disposal area. The Site remediation activities were documented in a Remedial Action Completion Report (August 17, 2005), which was approved by NYSDEC in a letter dated November 22, 2005. Institutional

controls were also implemented via a Declaration of Covenants and Restrictions that was filed with Erie County in December 2005. The Declaration is deemed a covenant that shall run with the land and shall be binding upon all future owners of the Property.

The covenants and restrictions include restricting the land use to commercial or industrial use, prohibition on use of groundwater underlying the site as drinking water or industrial purposes without treatment, and the requirement for annual inspection and maintenance of the cover system, as specified in Section 6.0 of the NYSDEC-approved Site Management Plan prepared for Honeywell by Remedial Engineering, P.C. (August 17, 2005).

Six groundwater monitoring wells (GW-18R, GW-19, GW-20, GW-21, GW-22, and GW-23) are located adjacent to the cover system.

During the period of November 30, 2022 to November 30, 2025 (reporting period), the following routine OM&M activities were completed in accordance with the Work Plan for Inspection and Monitoring (referred to hereafter as the Work Plan), prepared by MACTEC (December 19, 2008), as approved, with amendment, by the NYSDEC as indicated in their letter dated July 10, 2009:

- Collection and laboratory testing of groundwater samples from Site wells once every three years (i.e., 2025); and
- Annual inspection and maintenance mowing of the disposal area cover system.

B. Effectiveness Monitoring: The cover system is intact with suitable vegetative cover and no subsidence. Analytical results from the 2025 groundwater monitoring event indicate that nitrobenzene was not detected in groundwater. The reported concentrations for various metals in the 2025 groundwater samples exceeded the NY Class GA groundwater standards. The metals results were consistent with previous Outer Harbor data, as well as data presented in the ROD, which concluded that the concentrations of metals in groundwater may be attributable to “general groundwater quality in the vicinity of the Site”. A table providing a comparison of the analytical data to NY Class GA groundwater standards is provided in Attachment B.2.

    a. Groundwater trend graphs showing the concentrations of analytes with detected concentrations that exceeded standards at one or more monitoring wells during the most recent four sampling events (2016, 2019, 2022, and 2025) are provided in Attachment B.3. Two rounds of sampling were completed in 2022 due to the initial sampling occurring without the required minimum volume purged prior to sampling. The concentrations of some metals were higher in the initial September 2022 sampling round than in the October 2022 sampling round, which is believed to be explained by the difference in well purging prior to sampling. The September 2022 data was excluded from the groundwater trend graphs on the basis that they are not representative of groundwater conditions.

C. Compliance: The OM&M activities conducted during the reporting period were performed in accordance with the Work Plan. No excavations, groundwater use, or imports of materials occurred during the reporting period. As part of Honeywell International Inc.’s spin-off of its Advanced Materials business, Site Management responsibilities were transferred to Solstice Advanced Materials during the reporting

period. A Change of Use form was initially submitted to NYSDEC on September 24, 2025 notifying of the change in Remedial Party, with a second Change of Use form submitted on January 7, 2026 clarifying the Remedial Party legal entity. A copy of the January 7, 2026 Change of Use form submittal is included in Attachment A.

D. Recommendations: Implementation of the activities specified in the Work Plan will continue during the period of November 30, 2025 to November 30, 2028, as described in Section VI of this letter.

II. Site Overview

A. Site Location: The Site is located at 901 Fuhrmann Boulevard in an area known as Buffalo Outer Harbor on Lake Erie. A Site Location Plan is included in Attachment B.1. The Site is specifically located near the northern edge of the NFTA terminal parking area and consists of a 0.9-acre capped/remediated former disposal area. The adjacent land to the north has recently been developed as the Lakeside Bike Park. There are six groundwater monitoring wells (GW-18R, GW-19, GW-20, GW-21, GW-22, and GW-23) located adjacent to the cover system.

B. Chronology: A ROD was issued by the NYSDEC for the RTA in March 1999 calling for ex-situ bioremediation of the nitrobenzene-contaminated soils. In 2001, a pilot-study was successfully completed for the in-situ chemical oxidation treatment of the nitrobenzene-contaminated soils. An Explanation of Significant Difference was issued in 2003, accepting an in-situ chemical oxidation remedy. Remedial action was conducted in 2003 and initially consisted of two rounds of in-situ chemical oxidation using potassium permanganate. Subsequently, treatability studies were conducted in support of stabilization of the remaining contamination, and a mixture of Portland cement and activated carbon was used to stabilize the remaining nitrobenzene-contaminated material. The final restoration activities completed in 2004 included removal of approximately 1,680 cubic yards of treated and stabilized soil, which were disposed of at the Alltift Landfill site (NYSDEC site No. 9-15-054), and in-place capping of the remaining treated soils. The soil cover system is 24 inches thick and consists of a bottom geotextile liner overlain by 20 inches of clean fill and 4 inches of topsoil. Vegetation was established over the cover system via seeding with local grasses. The site remediation activities were documented in a Remedial Action Completion Report (August 17, 2005) which was approved by NYSDEC in a letter dated November 22, 2005. Institutional controls were also implemented, including land use restrictions and the requirement for annual inspection and maintenance of the cover system, as specified in Section 6.0 of the NYSDEC-approved Site Management Plan prepared for Honeywell by Remedial Engineering, P.C. (August 17, 2005). A Declaration of Covenants and Restrictions was executed by NYSDEC and filed at the Erie County courthouse on December 27, 2005. Quarterly groundwater monitoring events were completed by MACTEC in 2005-2006, with the results documented in a letter report issued by MACTEC on October 4, 2006. Semi-annual groundwater monitoring events were completed by MACTEC in 2006-2007, with results presented in a letter report issued by MACTEC on March 26, 2008. A Work Plan was prepared by MACTEC in December 2008 that presented requirements for ongoing inspection and monitoring for the Site. This Work Plan was approved, with amendment, by the NYSDEC, as indicated in a letter dated July 10, 2009. On September 30, 2009, MACTEC issued a letter to NYSDEC that presented the 2010 inspection and monitoring schedule for the Site. On January 5, 2011, MACTEC submitted the 2010 Periodic Review Report, which was

approved by NYSDEC on January 18, 2011, and in their approval letter, NYSDEC indicated the frequency for future Periodic Reviews would be every three years.

III. Evaluation of Remedy Performance, Effectiveness and Protectiveness

A. The performance, effectiveness and protectiveness of the remedy is verified by ensuring that the cover system is intact as constructed and that the remaining nitrobenzene-contaminated soils are not leaching to groundwater.

- Ensuring the cover system is intact as constructed: Annual site inspections are conducted that include monitoring of site vegetation, ground inspections, and visual checks for evidence of erosion or subsidence. The results from the annual inspections indicate that the integrity of the cover system is sound. Copies of the annual inspection reports are included in Attachment B.4.
- Ensuring that the remaining nitrobenzene-contaminated soils are not leaching to groundwater. Beginning in 2010, groundwater samples are to be collected once every three years from the six groundwater monitoring wells located on the Site. The samples are analyzed for nitrobenzene and Target Analyte List (TAL) metals in accordance with EPA Methods. The 2025 analytical report is included in Attachment B.5 – Data Validation Summary Report.

IV. IC/EC Plan Compliance Report – A separate IC/EC Plan has not been prepared. A description and status of institutional and engineering controls is included in Attachment A of this PRR.

V. Monitoring Plan Compliance Report – A separate Monitoring Plan Compliance Report is not required for this site. Monitoring requirements are addressed in the Work Plan, as approved, with amendment, by NYSDEC.

VI. Operations and Maintenance Plan Compliance Report

A. Components of the Work Plan – Requirements of the Work Plan, as amended and approved, include the following:

- Triennial Groundwater Sampling and Analysis
- Annual Site Inspections
- Maintenance Activities (annual mowing of cover system, repair of areas showing erosion or subsidence, etc.).

B. Summary of OM&M Completed during the reporting period: Groundwater sampling and analysis (2025 only), annual site inspection, annual water level measurement, and annual mowing were completed in accordance with the Work Plan. The following summarizes the activities completed:

- 2025 groundwater sampling was completed on May 7, 2025. The sampling included collection of aqueous samples from six monitoring wells; the samples were analyzed for the parameters specified in the Work Plan. Field Data Collection Records are included in Attachment B.6.
- Annual site inspections were conducted as outlined in the Work Plan.

- Routine maintenance activities were conducted, consisting of annual mowing events.
- Annual water level measurements were conducted, and results are presented in Attachment B.7. These measurements were used to prepare groundwater elevation contour maps which are provided in Attachment B.8.
- Annual inspections were conducted, and the annual inspection reports are attached in Attachment B.4. The 2024 and 2025 site inspection reports mention that the GW-19 well base may have been damaged by a fallen tree branch. This well base will be repaired in 2026. The October 2024 annual inspection report describes a fallen tree exposing the liner, and it should be noted that the tree in question is outside the property boundary, and the liner they refer to is actually landscaping fabric. The property owner has been notified of the downed trees and is responsible for maintenance of areas outside the site boundary including the fencing.

C. OM&M Deficiencies: None identified.

D. Conclusions and Recommendations: The following conclusions were developed based on the data collected during the reporting period:

- Based on the results of the annual inspection report, which verifies that the integrity of the cover system is adequate and that vegetation is suitably established, the remedy remains protective and functions as a barrier that prevents direct contact with underlying waste and impacted soils.
- Based on the results of the 2025 groundwater monitoring event, which indicates that groundwater is not being contaminated by nitrobenzene leaching from the stabilized soils, the remedy is effective at preventing the leaching of contamination to groundwater.
- During previous groundwater sampling events, the events typically occurred in September or October, and the monitoring wells needed to be purged and sampled over two consecutive days due to low recharge, and samples were turbid (>50 NTUs) requiring filtering. In NYSDEC's letter dated January 19, 2023 indicating acceptance of the PRR for the period of November 30, 2019 to November 30, 2022, NYSDEC requested an assessment of whether the monitoring wells need redevelopment to address elevated turbidity. Based upon the results of the 2025 groundwater monitoring event, sampling in the second quarter (rather than in September or October as in past events) resulted in samples with low turbidity, which is believed attributable to the higher water table. On this basis, redevelopment of the wells is not believed to required and it is recommended that future groundwater monitoring events be completed in the second quarter when a higher water table would be expected.

The following recommendations were developed based on the data collected during the reporting period:

- Concentrations of nitrobenzene were not detected in groundwater samples collected in 2025. Therefore, it is recommended that the next triennial sampling event be conducted in 2028 in accordance with the Work Plan.
- Site inspections should continue on an annual basis.

- Routine OM&M activities should continue, including annual mowing of the cover system.
- The next PRR submittal should be completed and submitted to NYSDEC by December 30, 2028.

VII. Overall PRR Conclusions

A. Compliance: Inspection, maintenance, and monitoring activities were completed during the reporting period in accordance with the Work Plan. The Site remains in compliance with applicable covenants and restrictions.

B. Performance and Effectiveness of the Remedy: The condition of the cover system and results of groundwater monitoring well sampling and analysis for nitrobenzene indicate that the remedy is performing effectively.

C. Future PRR submittals: It is anticipated that the next PRR will be submitted by December 30, 2028.

Closing

Please contact Mr. Ryan Belcher at (207) 289-4213 with any questions or comments on this submittal.

Respectfully,

Earth Environment Engineering and Geology P.C. (EEEG)

Ryan Belcher
Assistant Vice President
Environmental Engineering

Ashlee Smith, P.E.
Lead Consultant
Environmental Engineering

W/attachments

cc: Dana Scott (Solstice Advanced Materials) – electronic copy
Chris Catanzaro (ECHDC) – electronic copy
Ryan Manning (Jacobs) – electronic copy

ATTACHMENT A

PRR NOTICE
IC/EC CERTIFICATION FORM
AND
CHANGE OF USE 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. 915026

Site Name Buffalo Outer Harbor-Radio Tower Area

Site Address: 901 Fuhrmann Boulevard Zip Code: 14205
City/Town: Buffalo
County: Erie
Site Acreage: 0.896

Reporting Period: November 30, 2022 to November 30, 2025

	YES	NO
1. Is the information above correct?	☒	☐
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?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☒	☐
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
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?	☐	☒

Box 2

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

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. 915026 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
Portion of 122.17-1-1.2	Erie Canal Harbor Development Corp	Site Management Plan Soil Management Plan Landuse Restriction Ground Water Use Restriction

1. Maintenance of the soil cover in accordance with Site Management Plan
2. Site limited to industrial or commercial use only, excluding day care, child care and medical care uses.
3. Use of groundwater underlying site prohibited without treatment rendering it safe for drinking water or industrial purposes.
4. Annual inspection required to confirm that the remedy (cover) and required restrictions remain in place.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
Portion of 122.17-1-1.2	Cover System

Cover system: geotextile cover, overlain by 20 inches of clean fill and 4 inches of topsoil

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. 915026

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 Dana Scott (print name) at 2966 Lupine Ave, Baton Rouge, LA 70805 (print business address),

am certifying as Remediation Director for the Remedial Party (Owner or Remedial Party)

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

Signed by:
Dana Scott
1A74E1128AD8452...

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

1/14/2026
Date

EC CERTIFICATIONS

Box 7

Professional Engineer 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 Ashlee Smith (print name) at Earth Environment Engineering and Geology P.C. 40 La Riviere Ste 320, Buffalo NY 14202 (print business address),

am certifying as a Professional Engineer for the Remedial Party (Owner or Remedial Party)

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date
		January 14, 2026

NEW YORK STATE | Department of Environmental Conservation

60-Day Advance Notification of Site Change of Use

Physical Alteration, Transfer of Certificate of Completion, and/or Ownership Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

SUBMITTAL INSTRUCTIONS:

Please submit via Site Control Dropbox as described below, OR, if file size permits, by email to DERSiteControl@dec.ny.gov. Print to pdf before submitting.

You may submit your document(s) via ground mail at the address below however please – DO NOT submit both electronic and ground mail.

a.) VIA SITE CONTROL DROPBOX:

Request an Invitation

In the "Title" field, please include the following: "Change of Use – Site Name, Site # 915026.

After uploading files, an automated email will be sent to the submitter's email address with a link to verify the status of the submission. Please do not send a separate email to confirm receipt.

Packages submitted through third-party file transfer services will not be accepted.

b.) VIA GROUND MAIL:

Save the COU form w/attached file(s) and cover letter (optional) to an external storage device (e.g., thumb drive, flash drive). Do NOT include any paper.

Mail the external storage device to the following address:
Chief, Site Control Section
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, NY 12233-7020

Section I: Property Information	
Site Name: Buffalo Outer Harbor - Radio Tower Area	DEC Site # 915026
Site Address: 91 Fuhrmann Boulevard, Buffalo, New York (Erie County)	

Section II: Contact Information Person Submitting Notification	
Name: Dana Scott - Solstice Advanced Materials US, Inc.	
Address1: 2966 Lupine Avenue, Baton Rouge, LA 70805	
Address 2:	
Phone: 225-494-4599	E-mail: dana.scott@solstice.com

Section III: Type of Change and Date
☐ Change of Ownership
☑ Change of Remedial Parties
☐ Transfer of Certificate of Completion
☐ Other (e.g., any physical alteration or other change of use)
Proposed Date of Change (mm/dd/yyyy)

Section IV: Description of Proposed Change (Required)

Please provide a brief narrative of the proposed changes(s) indicated above. Attach maps, drawings, and/or parcel information as needed. If "other" the description must explain and advise the DEC how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

In September, 2025, Honeywell's Remediation Manager Sasa Jazic provided notice that Honeywell was spinning off the remediation obligations to a new company. That new company was officially independent on October 30, 2025 with the new name of Solstice Advanced Materials US, Inc.

Section V: Certification Statement

Where the change results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative: see § 375-1.11(d)(4)(i):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name: Signed by: Dana Scott 1A74E112BADB492... 1/6/2026

(Signature) (Date)

Dana Scott

(Print Name)

Address1: 2966 Lupine Avenue, Baton Rouge, LA 70805

Address2:

Phone: 225-494-4599 Email : dana.scott@solstice.com

Section VI: Contact Information for New Owner, Remedial Party, or CoC Holder

If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environment Easement, Deed Restriction, or Site Management Plan subject to periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☐ Prospective Owner ☑ Prospective Remedial Party ☐ Prospective Owner Representative

Name: Solstice Advanced Materials US, Inc.

Address:1 Attn: Dana Scott

Address2: 2966 Lupine Avenue, Baton Rouge, LA 70805

Phone: 225-494-4599 Email: dana.scott@solstice.com

Cert. Party Name: Earth Environment Engineering and Geology P.C.

Address:1 2 Monument Square, Suite 200

Address2: Portland, Maine 04101

Phone: 207-289-4213 Email: ryan.belcher@wsp.com

Section VII: Agreement to Notify DEC After Transfer

If Section VI applies, i.e., all or part of the site will be sold, in accordance with § 375-1.11(d)(4)(ii) 30 days after the transfer a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the CoC holder for the site, the CoC should be transferred to the new owner using DEC's approved "Notice of Transfer of COC" forms found at Initial Notice And Transfer Of Certificate Of Completion - NYSDEC. This form has its own filing requirements at §375-1.9(f).

Signing below indicates that theses notices will be provided to the DEC within the specified timeframes as follows:

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. The name and contact information for the new owner(s) per §375-1.11(d)(4)(ii)
2. The name and contact information for any owner representative; and
3. A Notice of Transfer using the DEC form Initial Notice And Transfer Of Certificate Of Completion - NYSDEC.

Name: _____ _____

(Signature) (Date)

_____

(Print Name)

Address1:_____

Address2:_____

Phone:_____Email:_____

Continuation Sheet (if needed for multiple owners, representatives, or remedial parties)

☐ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name:_____

Address:1_____

Address2:_____

Phone:_____ Email:_____

☐ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name:_____

Address:1_____

Address2:_____

Phone:_____ Email:_____

☐ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name:_____

Address:1_____

Address2:_____

Phone:_____ Email:_____

☐ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name:_____

Address:1_____

Address2:_____

Phone:_____ Email:_____

NEW YORK STATE | Department of Environmental Conservation

Instructions for Completing the 60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion (CoC), and/or Ownership Form

Please submit via Site Control Dropbox Request an Invitation

In the "Title" field, please include the following: "Change of Use – Site Name, Site #

OR, if file size permits, by email to DERSiteControl@dec.ny.gov

Section I	**Description**
Site Name	Official DEC site name. (see http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=3)
DEC Site ID No.	DEC site identification number.

Section II	**Contact Information of Person Submitting Notification**
Name	Name of person submitting notification of site change of use, transfer of certificate of completion and/or ownership form.
Address1	Street address or P.O. box number of the person submitting notification.
Address2	City, state and zip code of the person submitting notification.
Phone	Phone number of the person submitting notification.
E-mail	E-mail address of the person submitting notification.

Section III	**Type of Change and Date**
Check Boxes	Check the appropriate box(s) for the type(s) of change about which you are notifying the Department. Check all that apply.
Proposed Date of Change	Date on which the change in ownership or remedial party, transfer of CoC, or other change is expected to occur.

Section IV	**Description**
Description	For each change checked in Section III, describe the proposed change. Provide all applicable maps, drawings, and/or parcel information. If "Other" is checked in Section III, explain how the change may affect the site's proposed, ongoing, or completed remedial program at the site. Please attach additional sheets, if needed.

Section Certification

This section must be filled out if the change of use results in a change of ownership or responsibility for the proposed, ongoing, or completed remedial program for the site. When completed, it provides DEC with a certification that the prospective purchaser has been provided a copy of any order, agreement, or State assistance contract as well as a copy of

Name	The owner of the site property or their designated representative must sign and date the certification statement. Print owner or designated representative's name on the line provided below the signature.
Address	Owner or designated representative's street address or P.O. Box
Address	Owner or designated representative's city, state and zip
Phon	Owner or designated representative's phone
E-Mail	Owner or designated representative's E-

Section Contact Information for New Owner, Remedial Party, and CoC Holder (if a CoC was issued)

Fill out this section only if the site is to be sold or there will be a new remedial party. Check the appropriate box to indicate whether the information being provided is for a Prospective Owner, CoC Holder (if site was ever issued a COC), Prospective Remedial Party, or Prospective Owner Representative. Identify the prospective owner or party and include contact information. A Continuation Sheet is provided at the end of this form for additional

Name	Name of Prospective Owner, Prospective Remedial Party or Prospective Owner
Address	Street address or P.O. Box number for the Prospective Owner, Prospective Remedial Party, or Prospective Owner Representative.
Address	City, state and zip code for the Prospective Owner, Prospective Remedial Party, or Prospective Owner Representative.
Phon	Phone number for the Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.
E-Mail	E-mail address of the Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.

If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/EC), indicate who will be the certifying party(ies). Attach additional sheets, if needed.

Certifying Party Name	Name of Certifying
Address	Certifying Party's street address or P.O. Box
Address	Certifying Party's city, state and zip
Phone	Certifying Party's Phone
E-Mail	Certifying Party's E-mail

Section VII Agreement to Notify DEC After Property Transfer/Sale

This section must be filled out for all property transfers of all or part of the site. If the site also has a CoC, then the CoC shall be transferred using DEC's form found at http://www.dec.ny.gov/chemical/54736.html

Filling out and signing this section of the form indicates you will comply with the post transfer notifications within the required timeframes specified on the form. If a CoC has been issued for the site, the DEC will allow 30 days for the post transfer notification so that the "Notice of CoC Transfer Form" and proof of it's filing can be included. Normally the required post transfer notification must be submitted within 15 day (per 375-1.11(d)(3)(ii)) when no CoC is involved.

Name	Current property owner must sign and date the form on the designated lines. Print owner's name on the line provided.
Address1	Current owner's street address.
Address2	Current owner's city, state and zip code.

ATTACHMENT B

SUPPORTING TABLES, FIGURES, AND APPENDICES

ATTACHMENT B.1 SITE LOCATION PLAN

Legend

- Monitoring Well
- Site Boundary
- Soil Cover Extent

GW-20

GW-18R

GW-22

GW-21

GW-23

GW-19

N

0 30 60 120

Feet

Notes:
1. Site Boundary and Soil Cover Area surveyed by Clough Harbour & Associates, LLP, July 2005.

Prepared/Date: ARW 8/6/2025
Checked/Date : RB 8/6/2025

BUFFALO OUTER HARBOR
BUFFALO, NEW YORK

EARTH and ENVIRONMENT
Engineering and Geology P.C.

SITE MAP

FIGURE 1

Document Path: X:\US\USTVC100-TVC\projects\Novi Projects\Buffalo Outer Harbor\Drawings & Prints\BuffaloHarb_SiteMap_20250806.aprx

ATTACHMENT B.2 COMPARISON OF GROUNDWATER SAMPLE ANALYTICAL DATA TO NYS GA GROUNDWATER STANDARDS

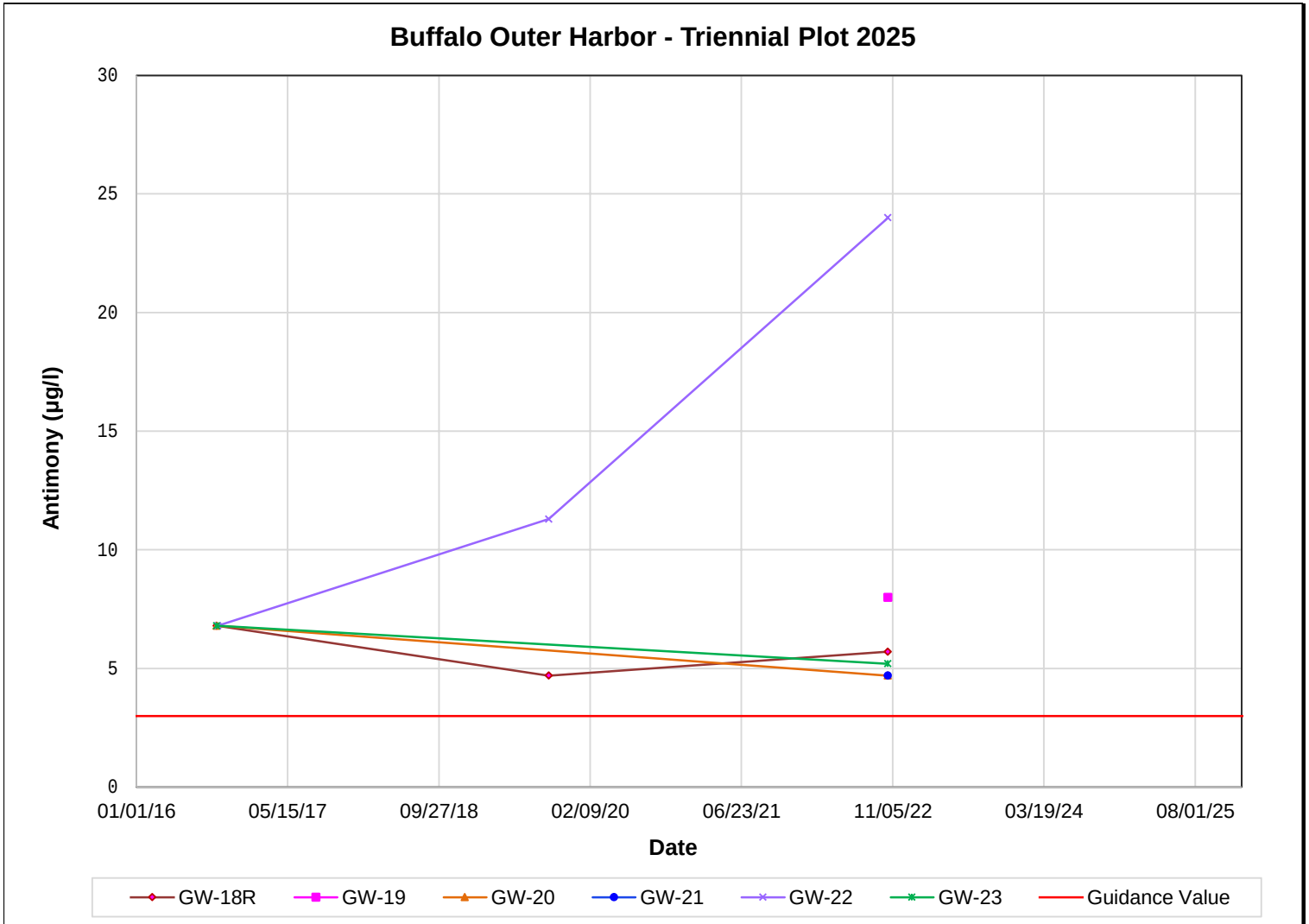
COMPARISON OF GROUNDWATER SAMPLE ANALYTICAL DATA TO NYS GA GROUNDWATER STANDARDS

Units	Method	Field Sample ID / Location / Sample Date / mple Delivery Group / Parameter Name	Groundwater Quality Standard or Guidance Value	GW-18R-050725 GW-18R 5/7/2025 JE11130	GW-19-050725 GW-19 5/7/2025 JE11130	GW-20-050725 GW-20 5/7/2025 JE11130	GW-20-FD-050725 GW-20 5/7/2025 JE11130	GW-21-050725 GW-21 5/7/2025 JE11130	GW-22-050725 GW-22 5/7/2025 JE11130	GW-23-050725 GW-23 5/7/2025 JE11130
µg/L	SW8270	Nitrobenzene	0.4	0.32 UJ	0.32 UJ	0.32 UJ	0.32 U	0.32 U	0.32 UJ	0.32 UJ
µg/L	SW6010	Aluminum	Not Applicable	**244**	**552**	150 U	150 U	150 U	**153** J	150 U
µg/L	SW6010	Antimony	3	**9.9**	4.7 U	**7.5**	4.7 U	4.7 U	4.7 U	**7.7**
µg/L	SW6010	Arsenic	25	**9.7**	**3.3**	2.8 U	2.8 U	**4.1**	2.8 U	**5.3**
µg/L	SW6010	Barium	1000	**72.0** J	**22.8** J	**45.2** J	**31.5** J	**32.4** J	**60.8** J	**138** J
µg/L	SW6010	Beryllium	3	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
µg/L	SW6010	Cadmium	5	1.0 U	1.0 U	**1.0** J	1.0 U	1.0 U	1.0 U	1.0 U
µg/L	SW6010	Calcium	Not Applicable	**289000**	**114000**	**157000** J	**117000** J	**41400**	**213000**	**280000**
µg/L	SW6010	Chromium	50	2.0 U	**24.0**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
µg/L	SW6010	Cobalt	Not Applicable	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
µg/L	SW6010	Copper	200	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	**11.0**	**9.4** J
µg/L	SW6010	Iron	300	**597**	**83.3** J	**240** J	**144** J	**69.7** J	**1070**	**2850**
µg/L	SW6010	Lead	25	**11.4**	1.8 U	**5.7** J	1.8 UJ	1.8 U	**5.3** J	**11.6**
µg/L	SW6010	Magnesium	35000	**53400**	140 U	**32700** J	**25000** J	**570** J	**91400**	**59800**
µg/L	SW6010	Manganese	300	**163**	1.4 U	**42.4** J	**26.7** J	1.4 U	**528**	**250**
µg/L	SW6010	Nickel	100	**3.9** J	1.7 U	**2.5** J	1.7 U	1.7 U	**12.7**	**3.3** J
µg/L	SW6010	Potassium	Not Applicable	**23300**	**112000**	**34800**	**24100**	**13800**	**10800**	**22500**
µg/L	SW6010	Selenium	10	4.9 U	**12.8**	**11.7**	4.9 U	4.9 U	4.9 U	4.9 U
µg/L	SW6010	Silver	50	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U
µg/L	SW6010	Sodium	20000	**14500**	**13400**	**13900** J	**9700** J	**10600**	**19600**	**15700**
µg/L	SW6010	Thallium	0.5	1.8 U	**2.9** J	1.8 U	**2.3** J	1.8 U	1.8 U	**2.5** J
µg/L	SW6010	Vanadium	Not Applicable	**6.1** J	**15.6** J	**2.8** J	**2.2** J	**2.0** J	1.8 U	1.8 U
µg/L	SW6010	Zinc	2000	**1170**	6.9 U	**19.8** J	**32.2**	6.9 U	**37.8**	**38.5**
µg/L	SW7470	Mercury	0.7	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U

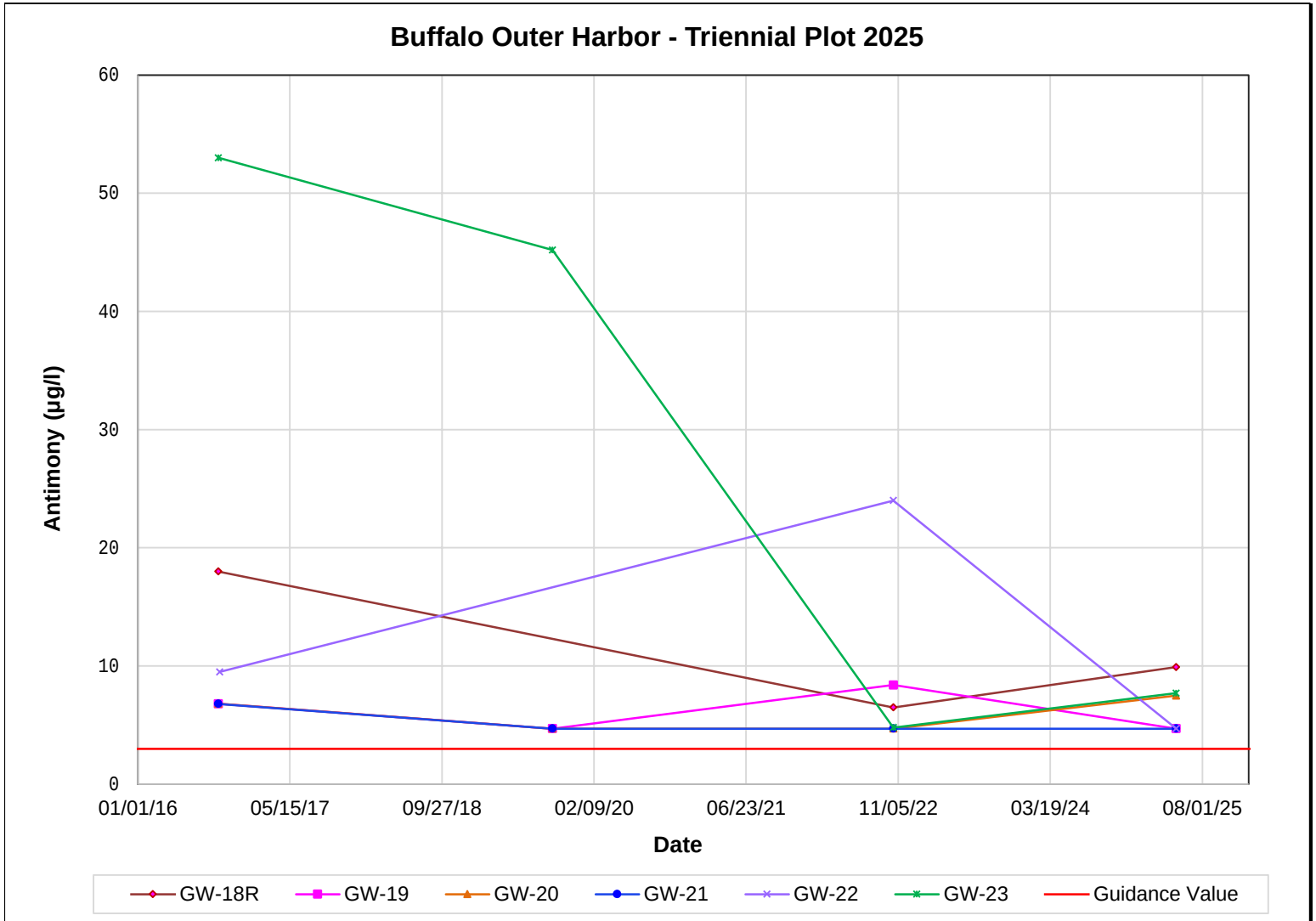
Notes:
J = Estimated
U = Undetected
µg/L - Micrograms per liter
Bold text indicates detected
Shaded cells indicated detected value greater than standard or guidance value

Prepared by: SBL 7/29/2025
Checked by: RTB 10/31/2025

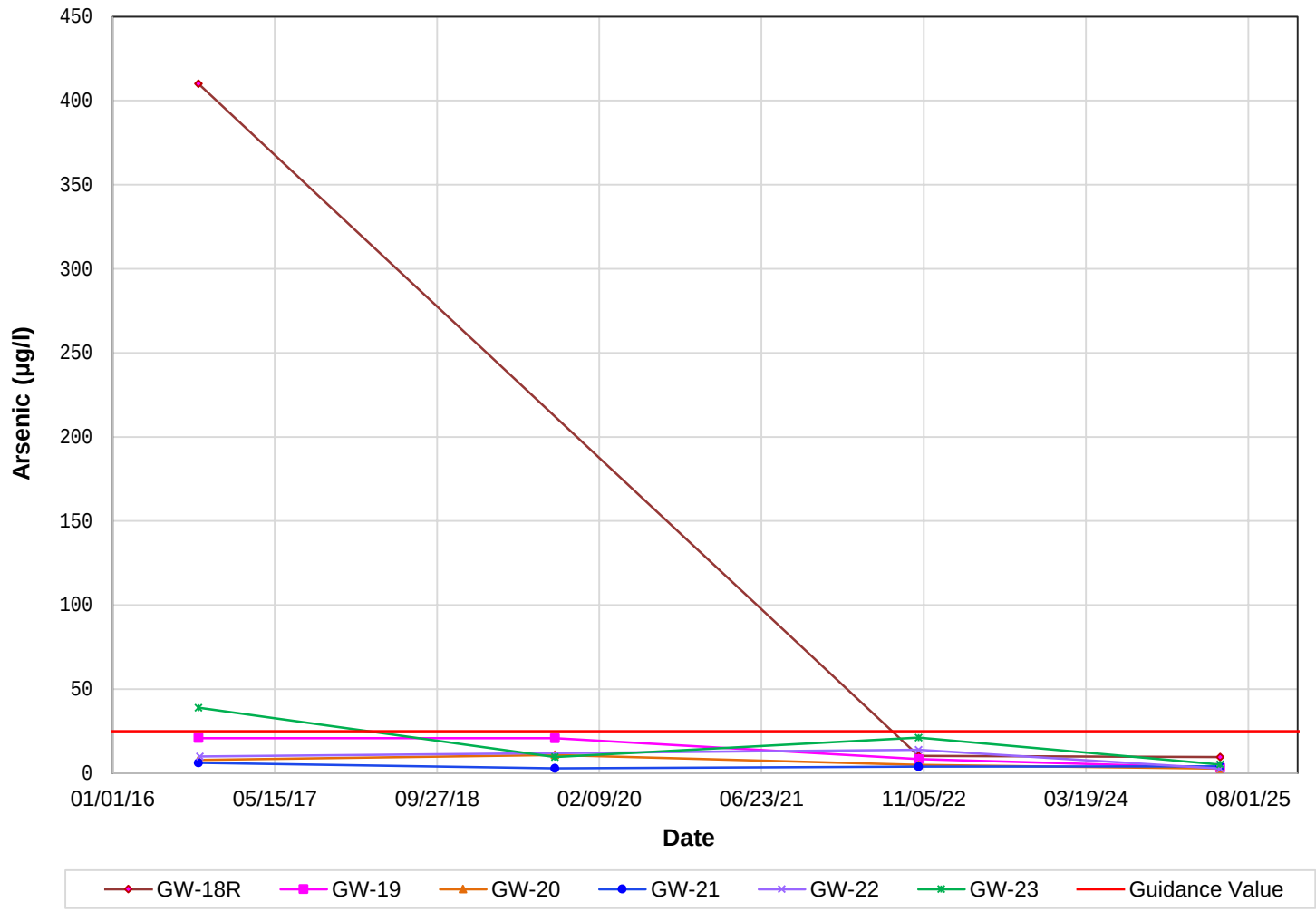
ATTACHMENT B.3 GROUNDWATER TREND GRAPHS



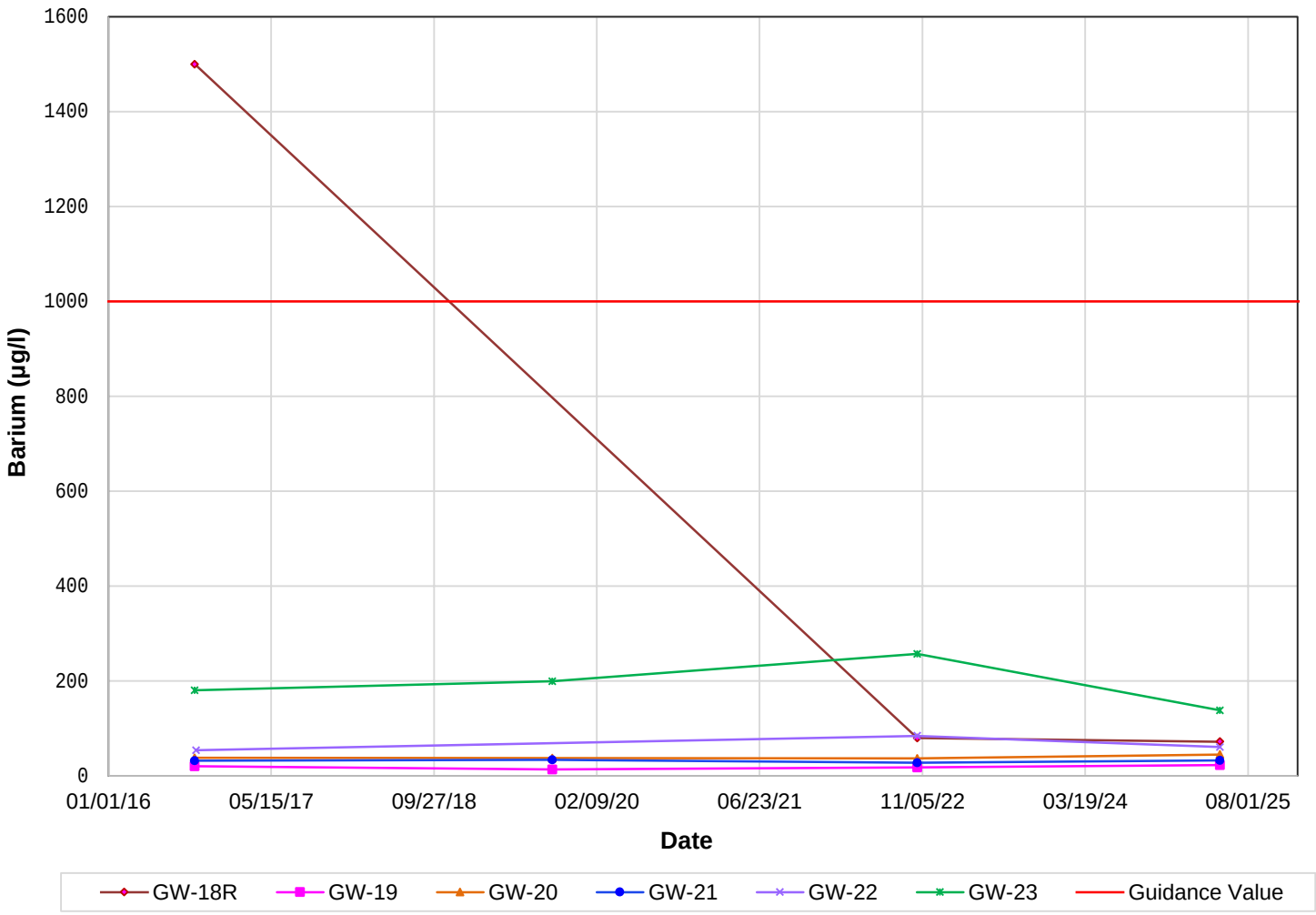
TITLE:	**Figure 1: Antimony Dissolved**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 8/18/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



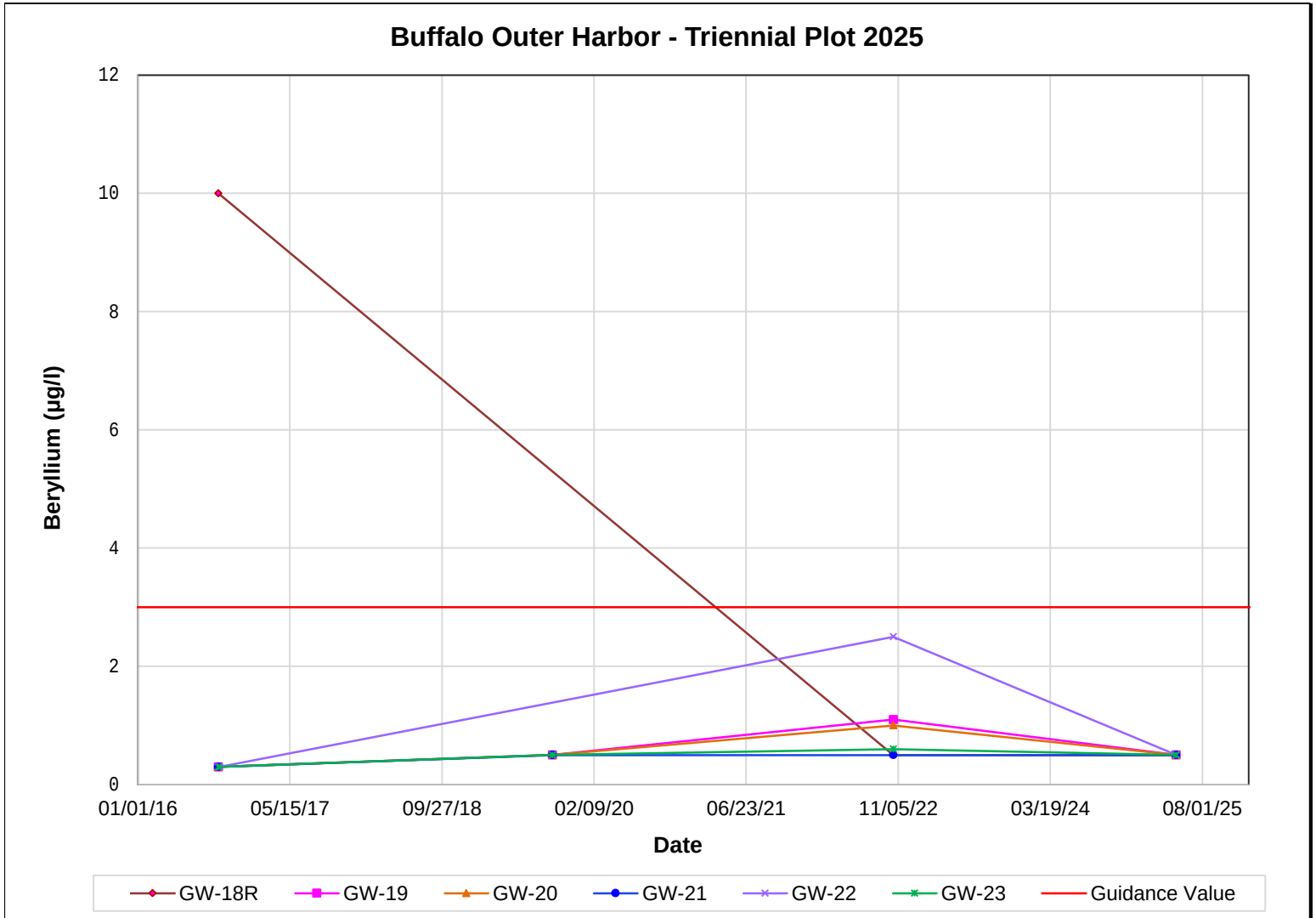
TITLE:	**Figure 2: Antimony Total**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 8/18/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



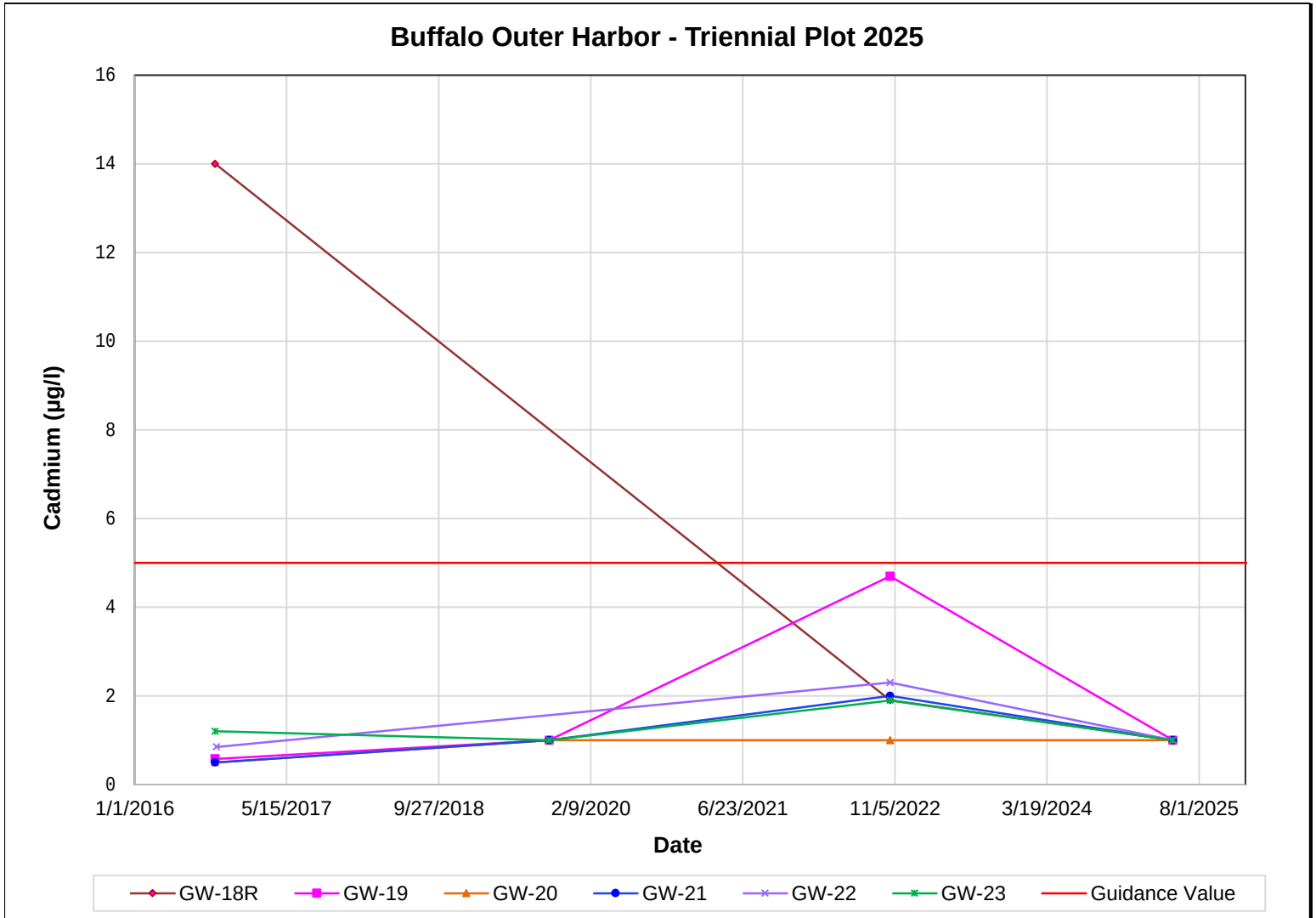
TITLE:	**Figure 3: Arsenic Total**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 8/18/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



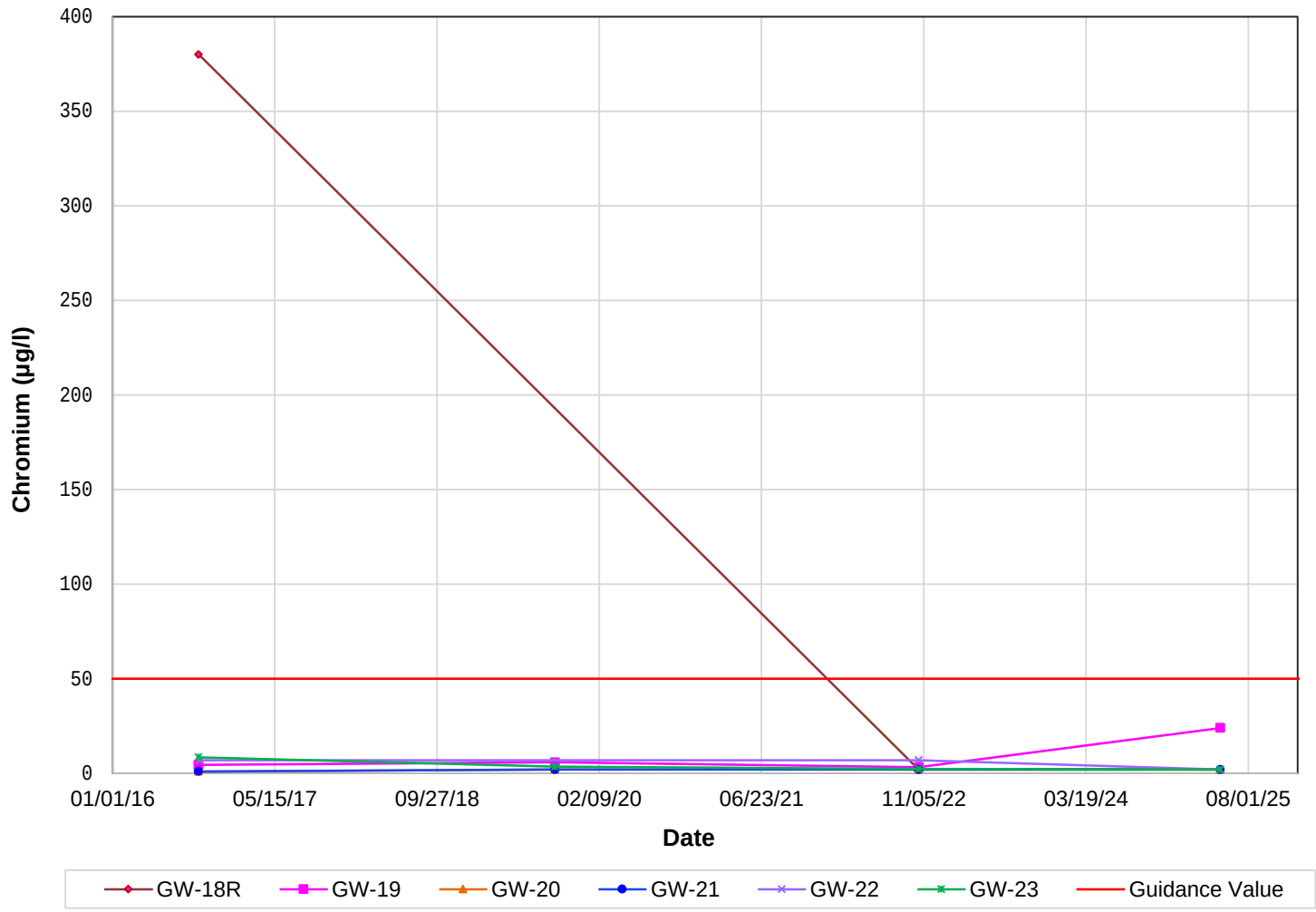
TITLE:	**Figure 4: Barium Total**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 10/31/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



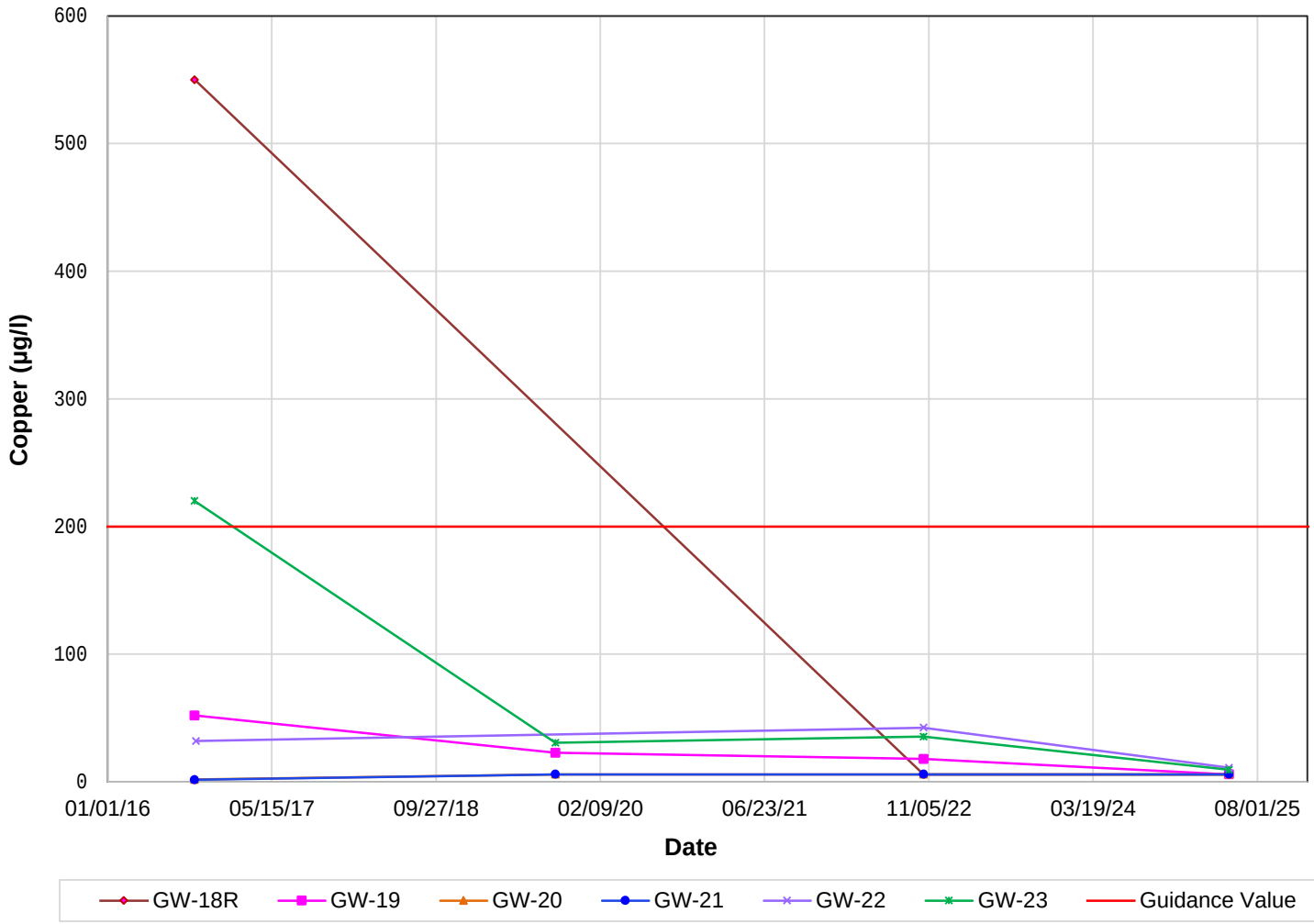
TITLE:	**Figure 5: Beryllium Total**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 10/31/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



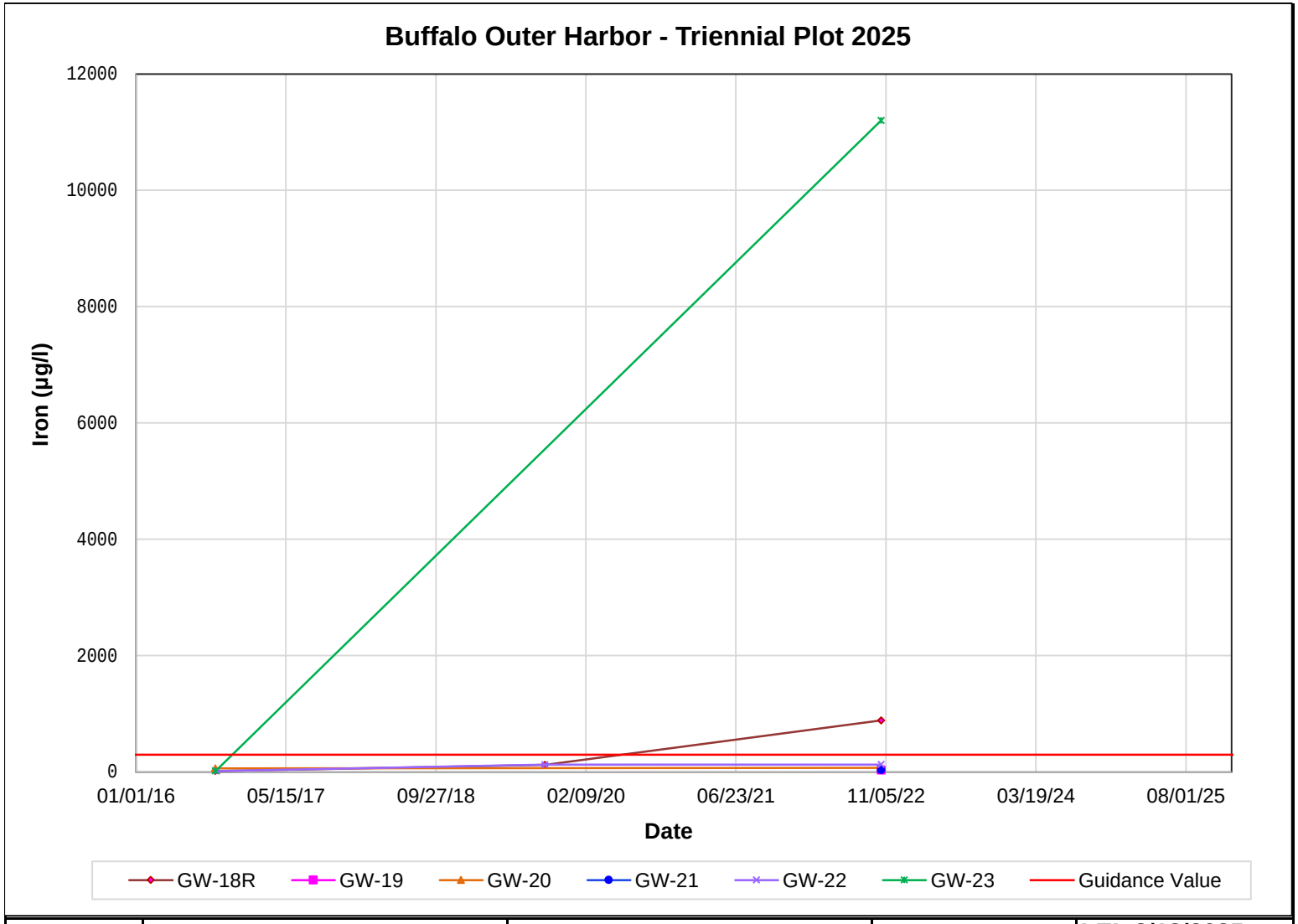
TITLE:	**Figure 6: Cadmium Total**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:**	**LEL 8/18/2025** **RTB 10/31/2025**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**		**PROJECT#**	**US0023047.0558**



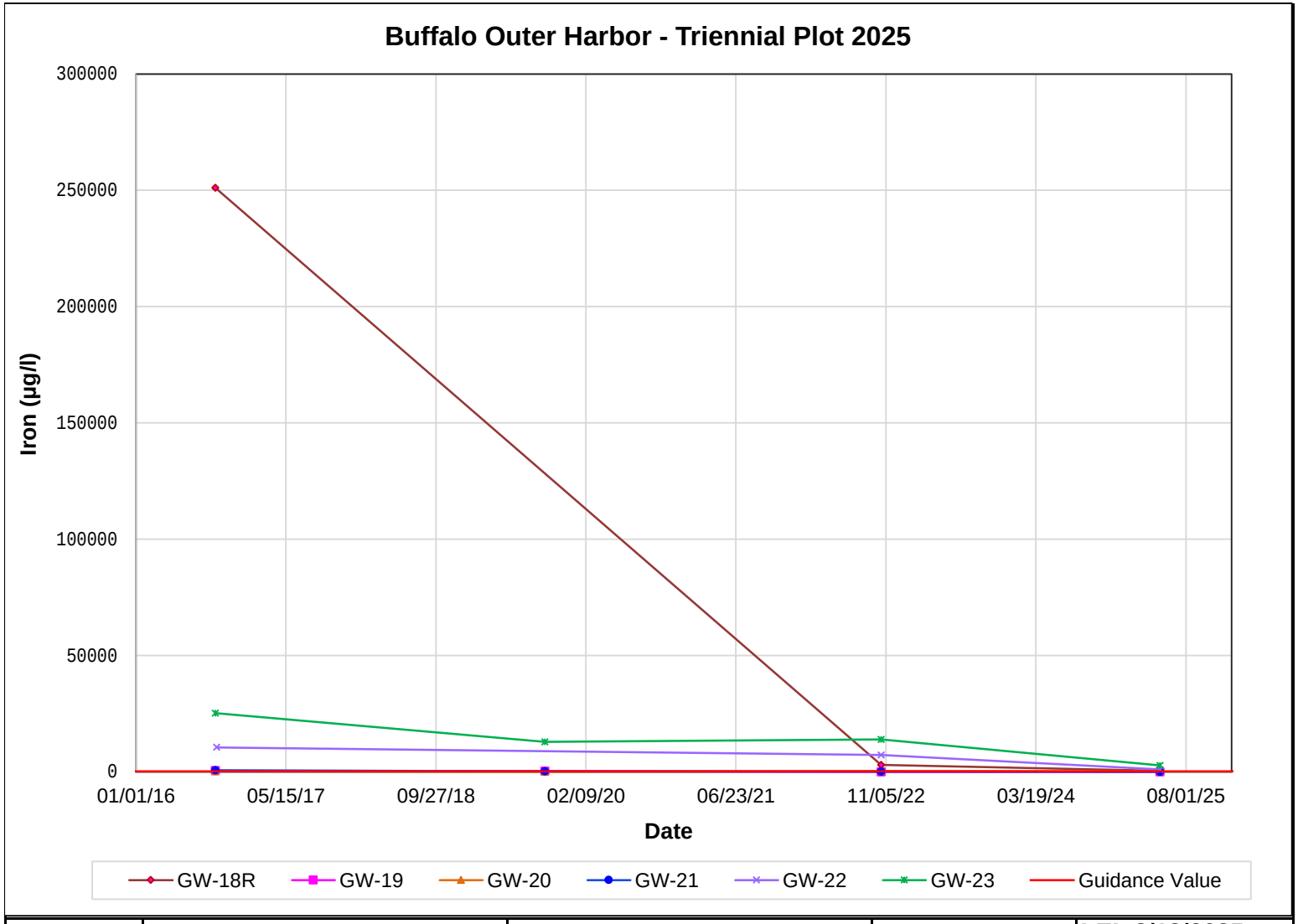
TITLE:	**Figure 7: Chromium Total**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 10/31/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



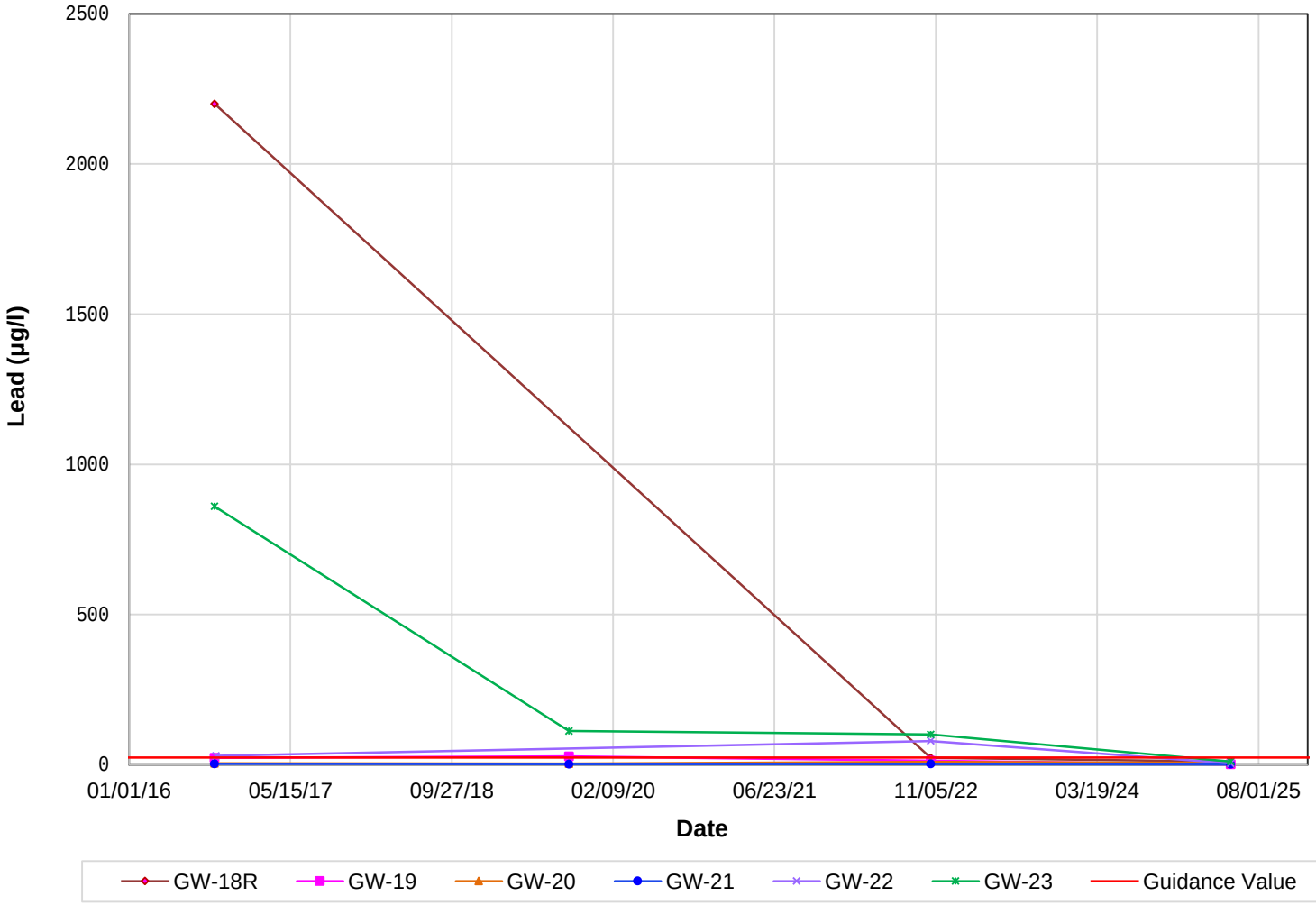
TITLE:	**Figure 8: Copper Total**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 8/18/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



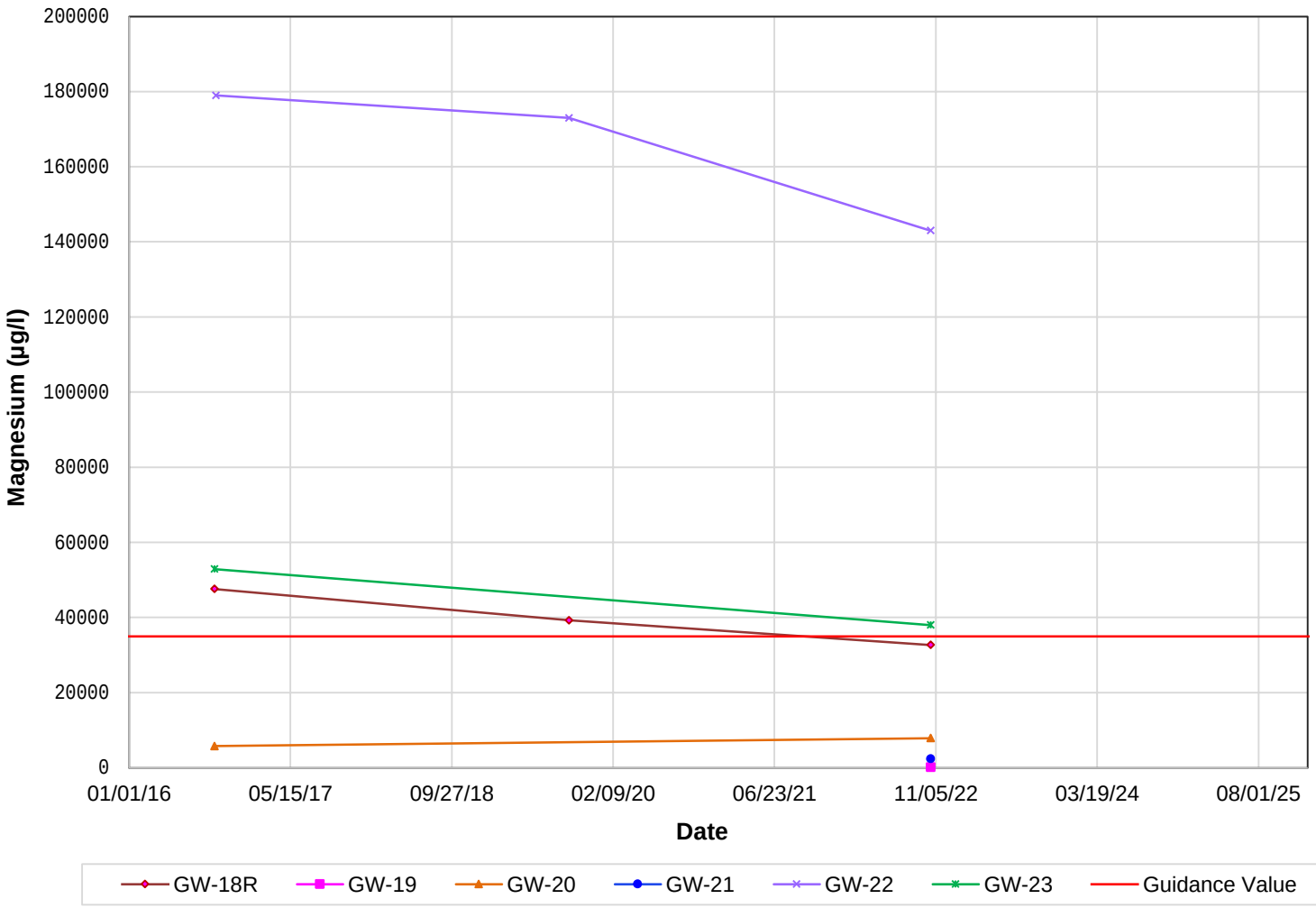
TITLE:	**Figure 9: Iron Dissolved**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 8/18/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



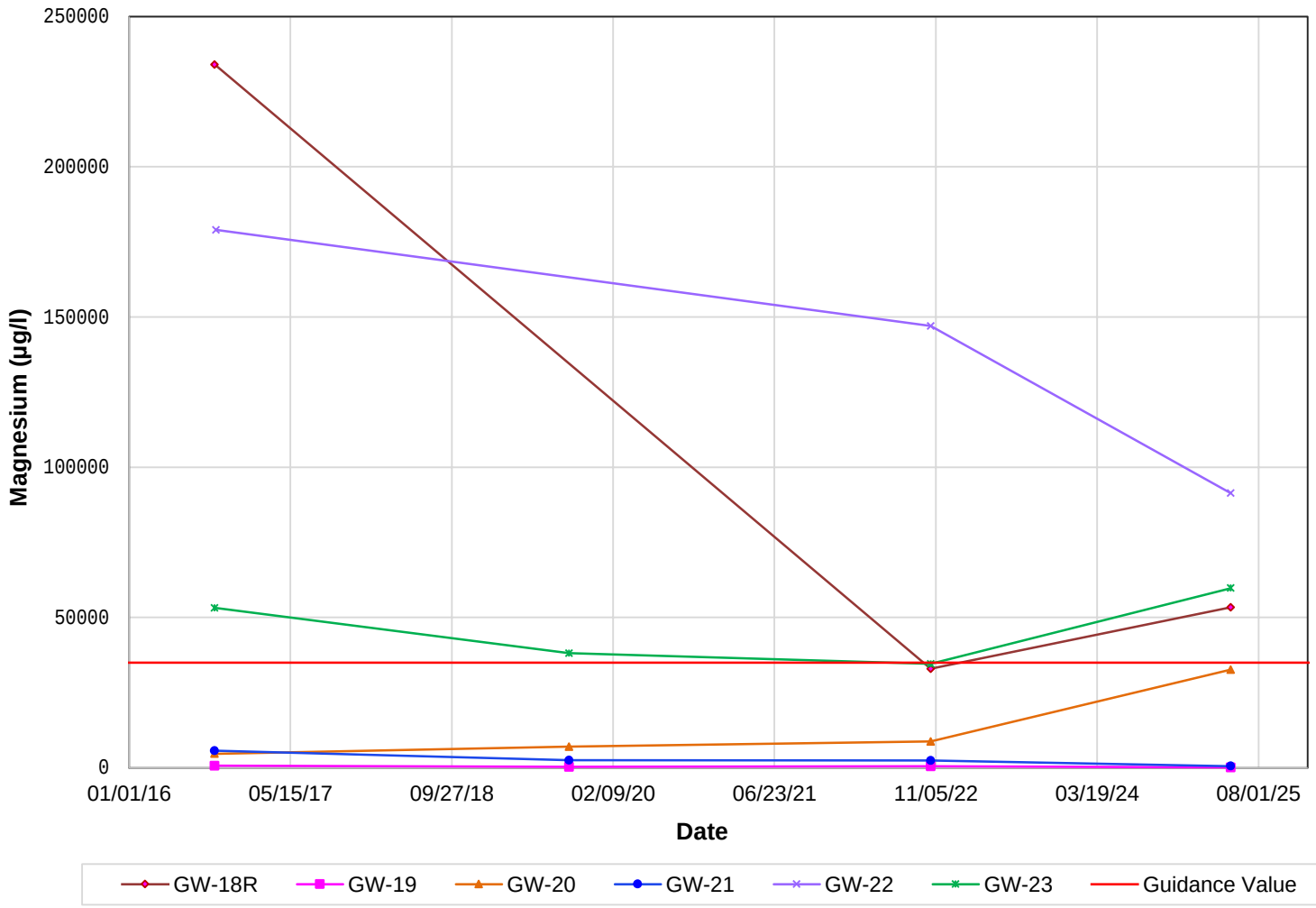
TITLE:	**Figure 10: Iron Total**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 8/18/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



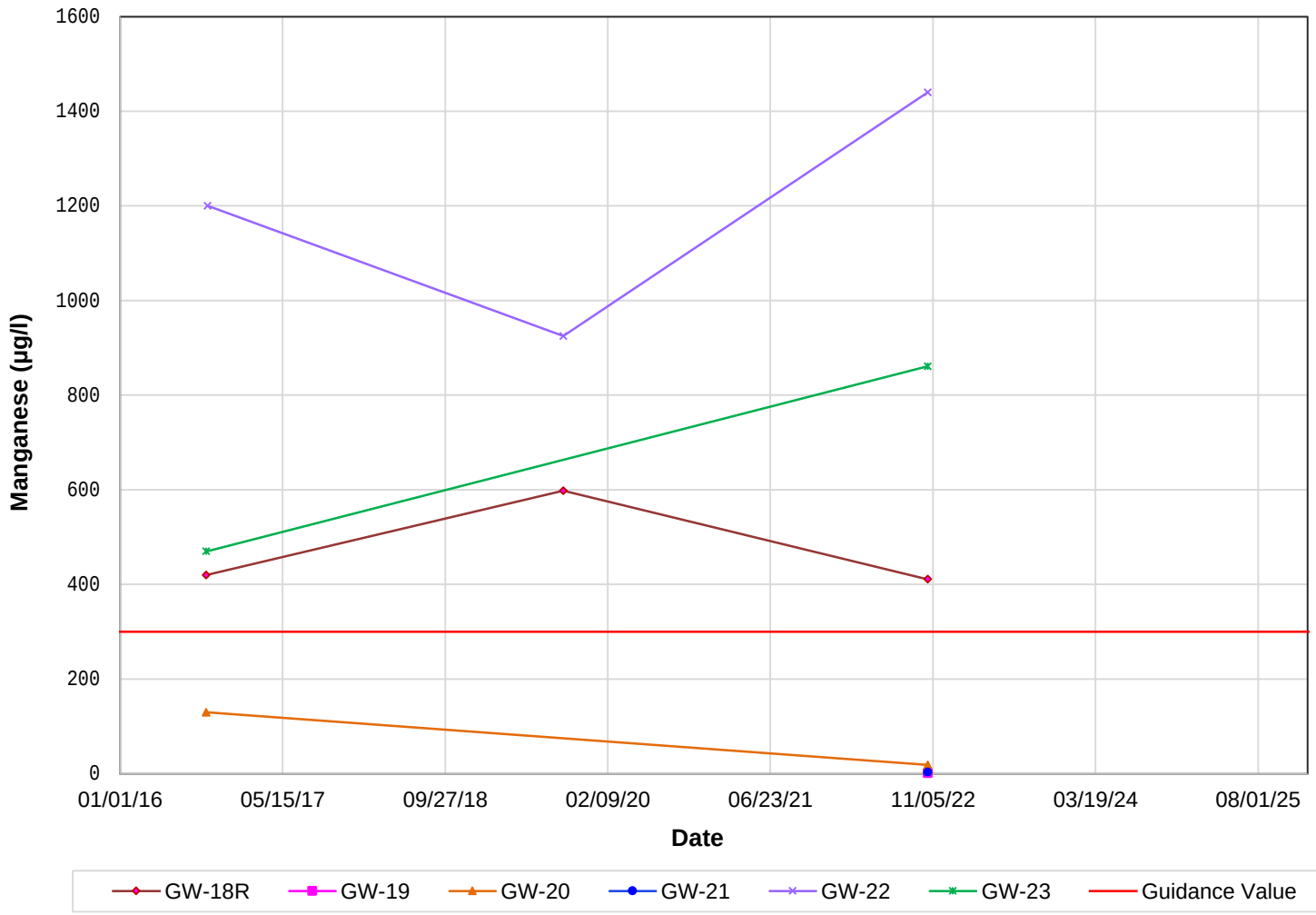
TITLE:	**Figure 11: Lead Total**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 8/18/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



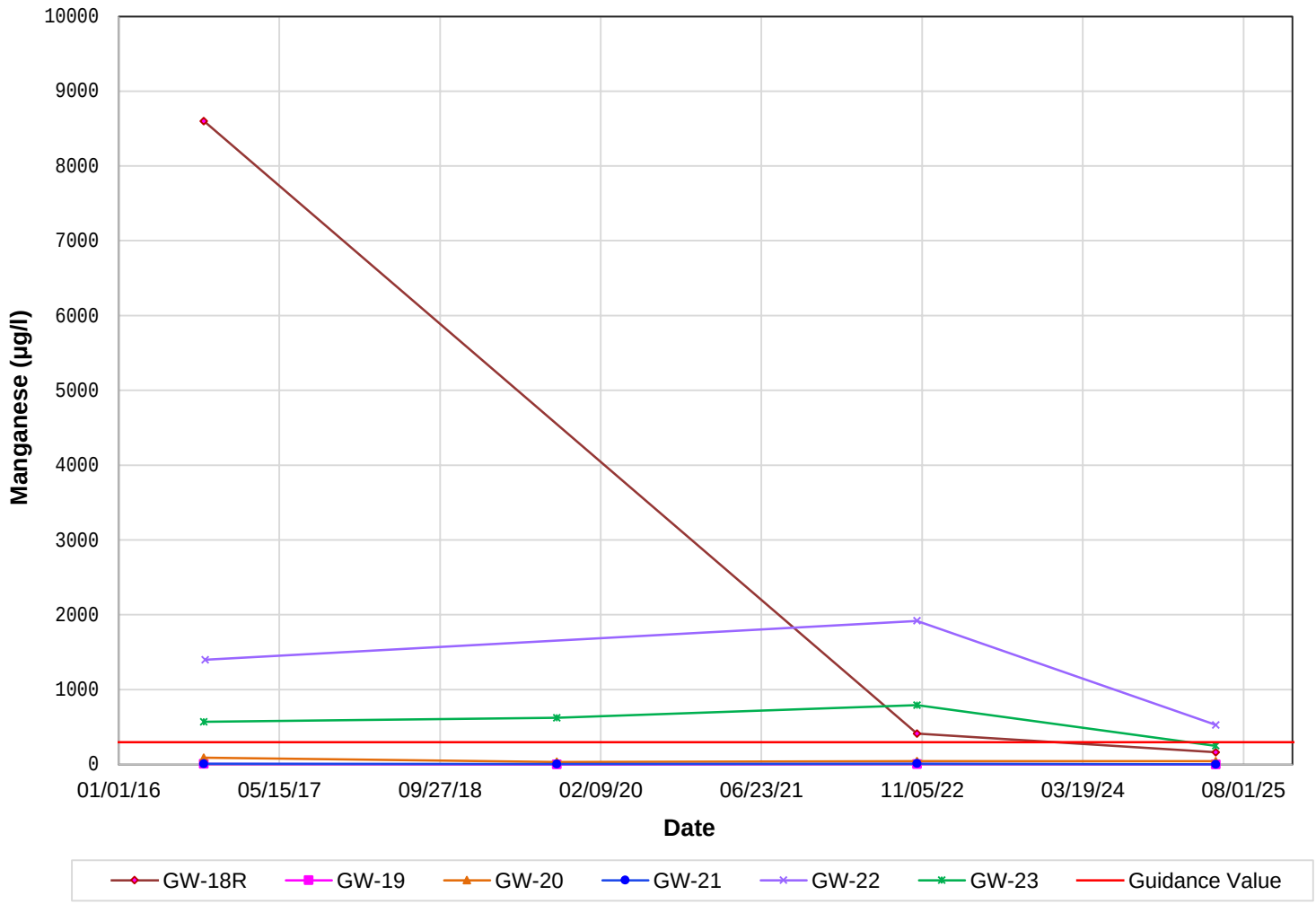
TITLE:	**Figure 12: Magnesium Dissolved**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 8/18/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



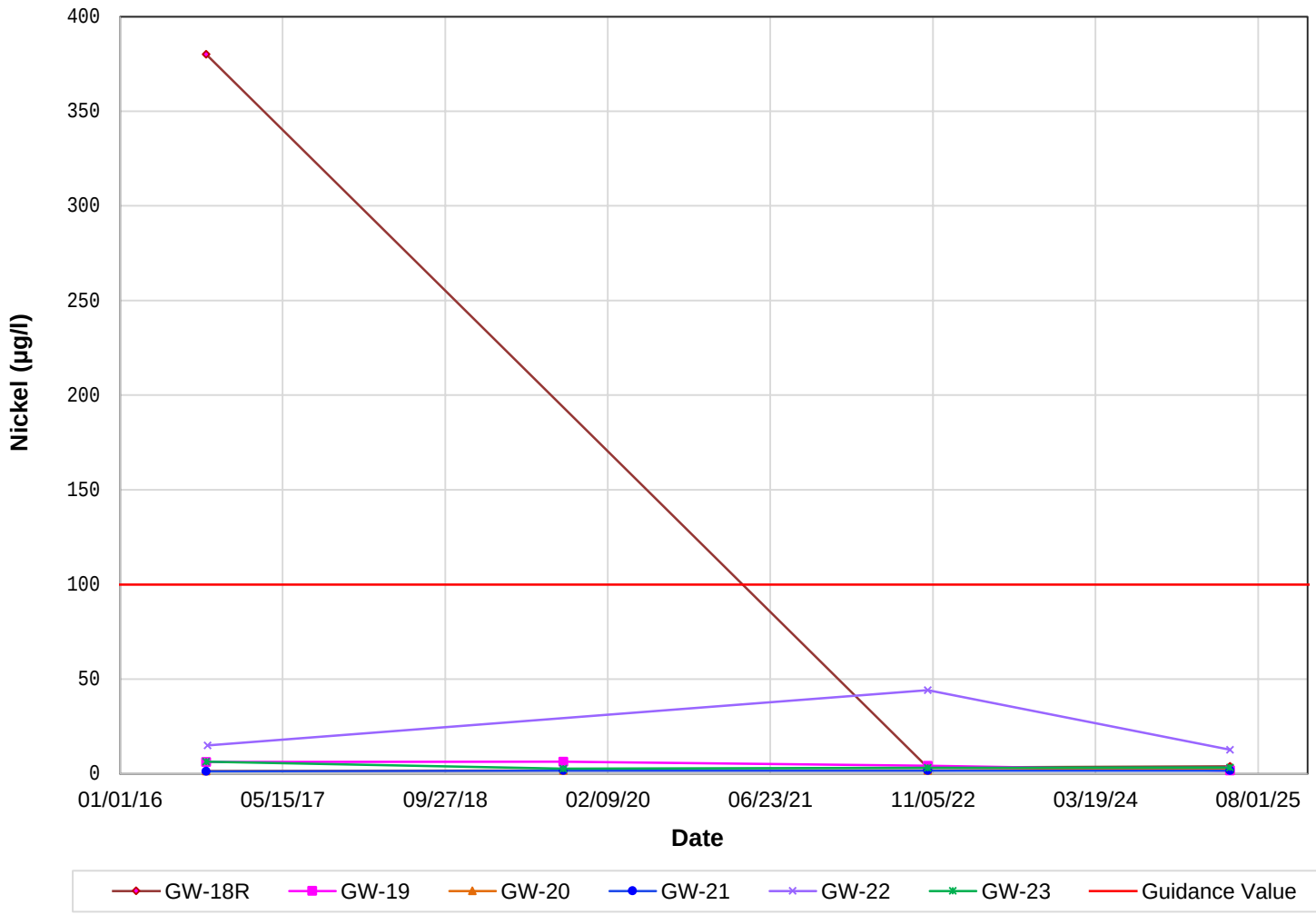
TITLE:	**Figure 13: Magnesium Total**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 8/18/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



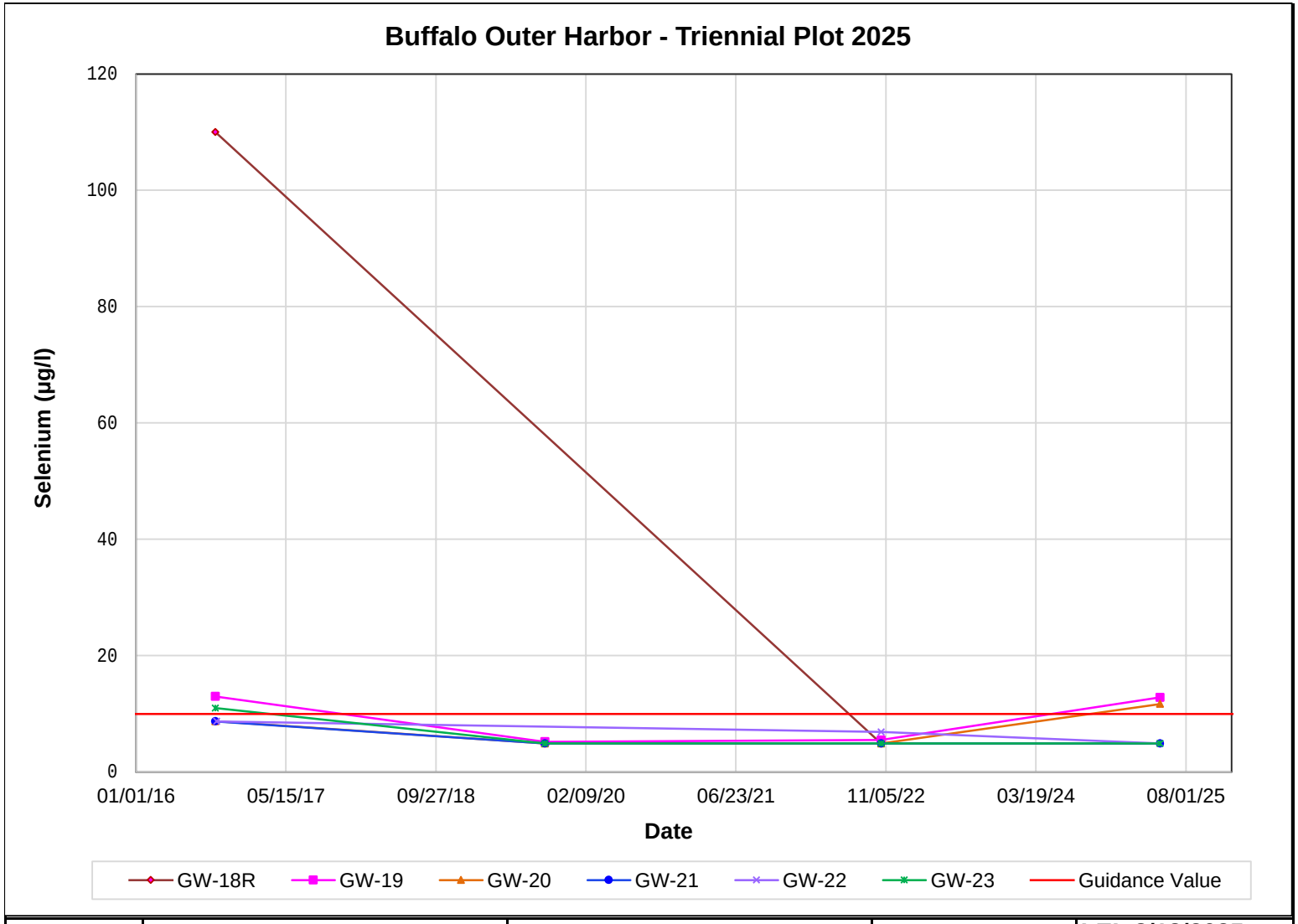
TITLE:	**Figure 14: Manganese Dissolved**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 8/18/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



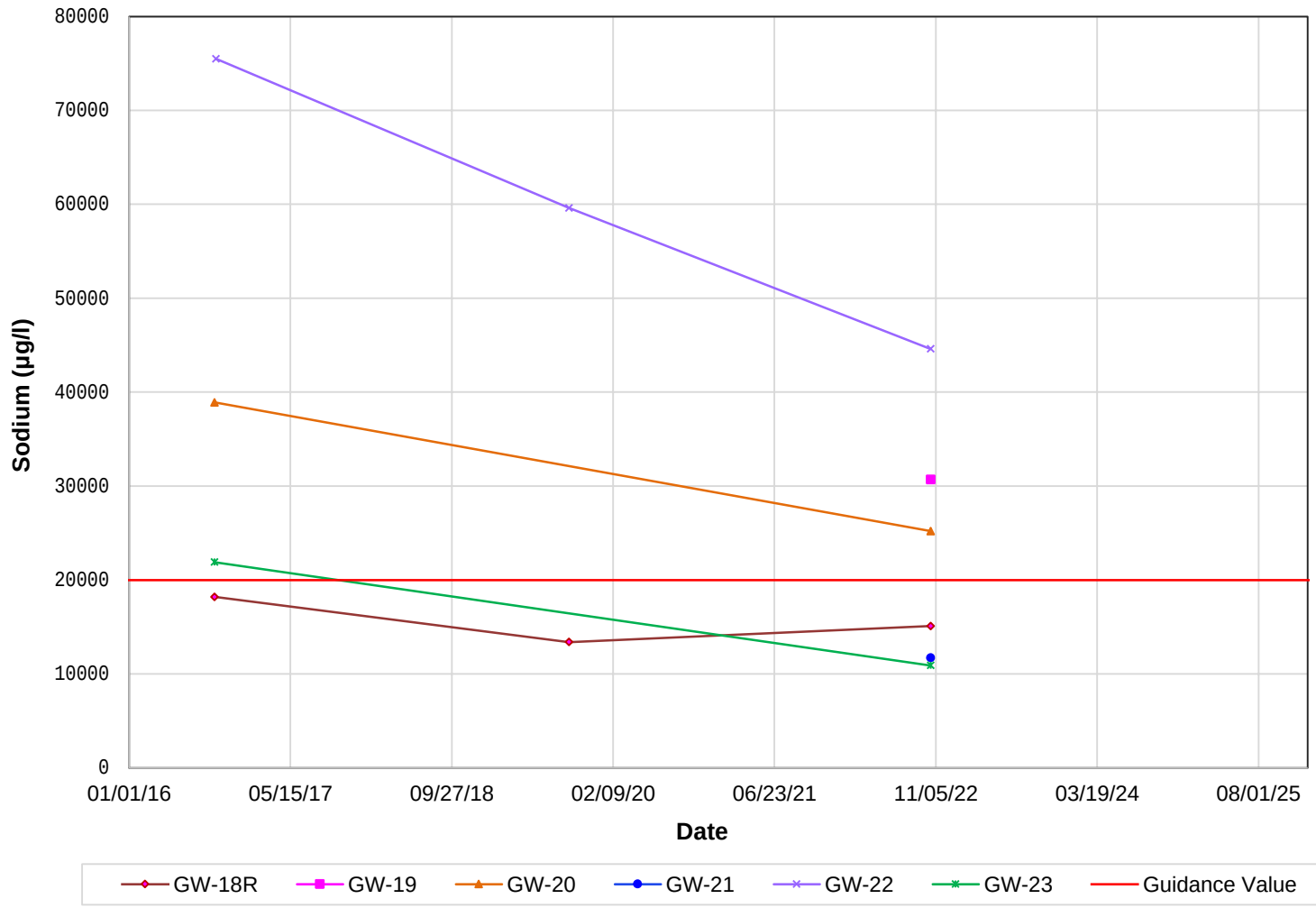
TITLE:	**Figure 15: Manganese Total**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 8/18/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



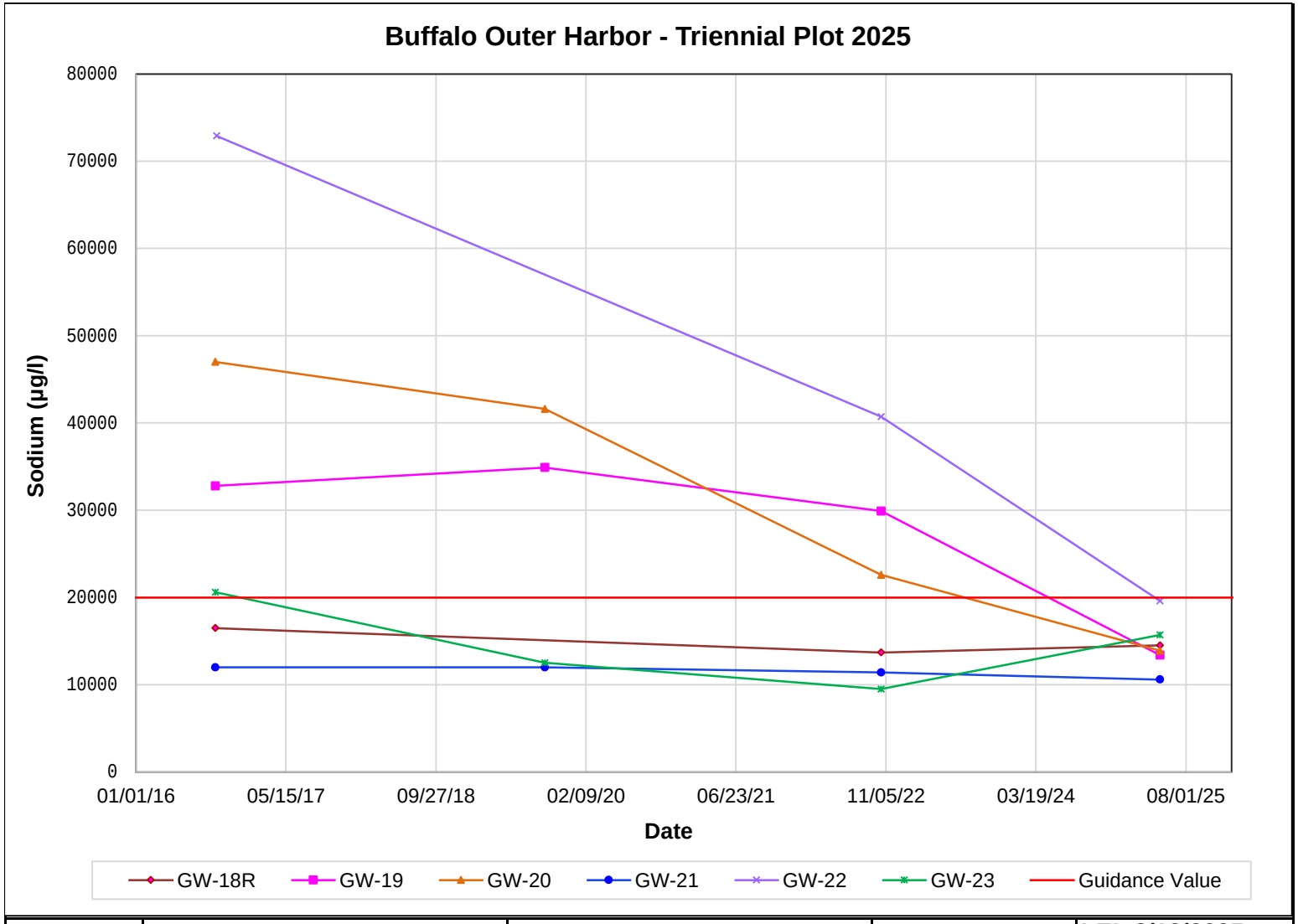
TITLE:	**Figure 16: Nickel Total**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 10/31/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



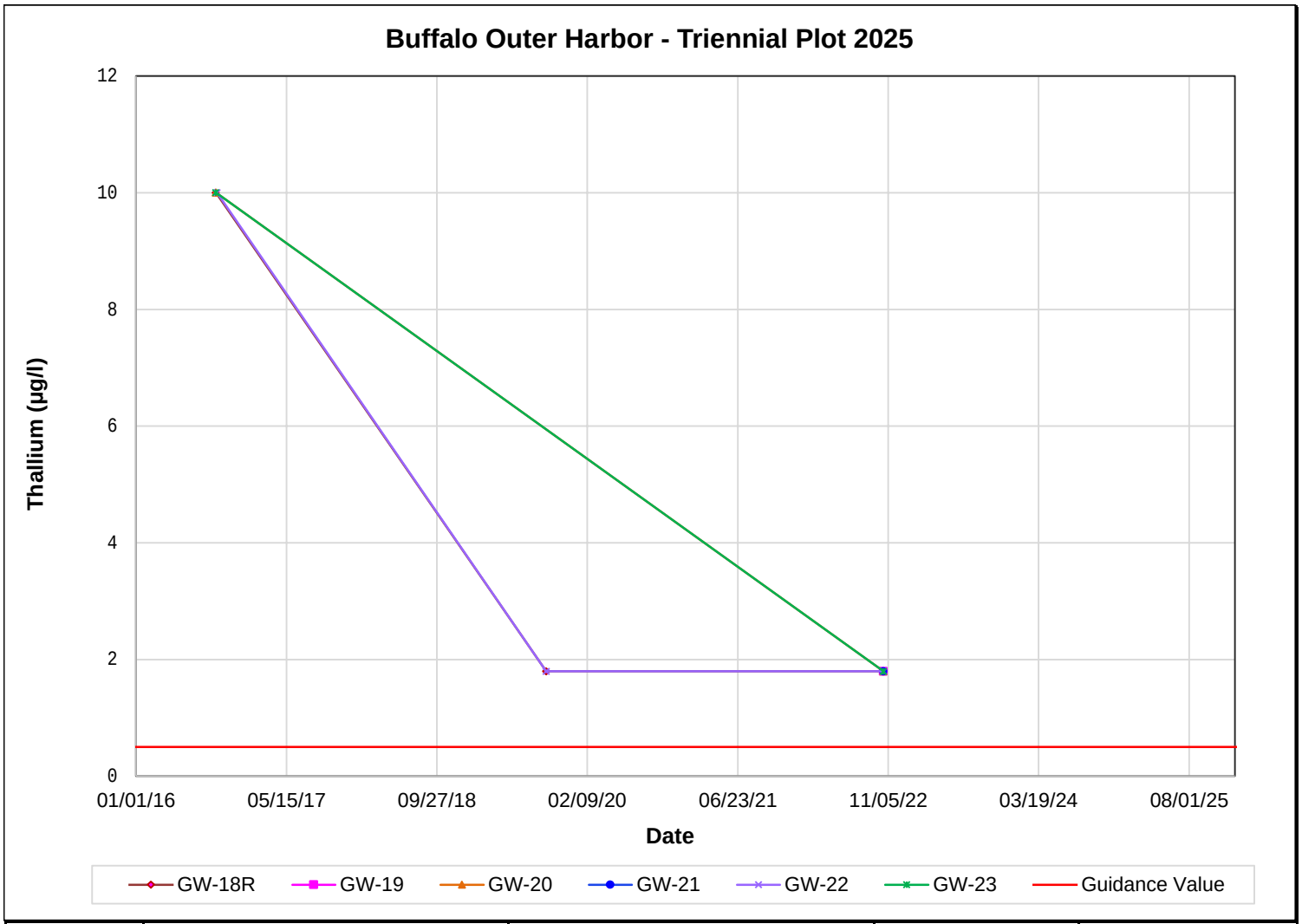
TITLE:	**Figure 17: Selenium Total**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 8/18/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



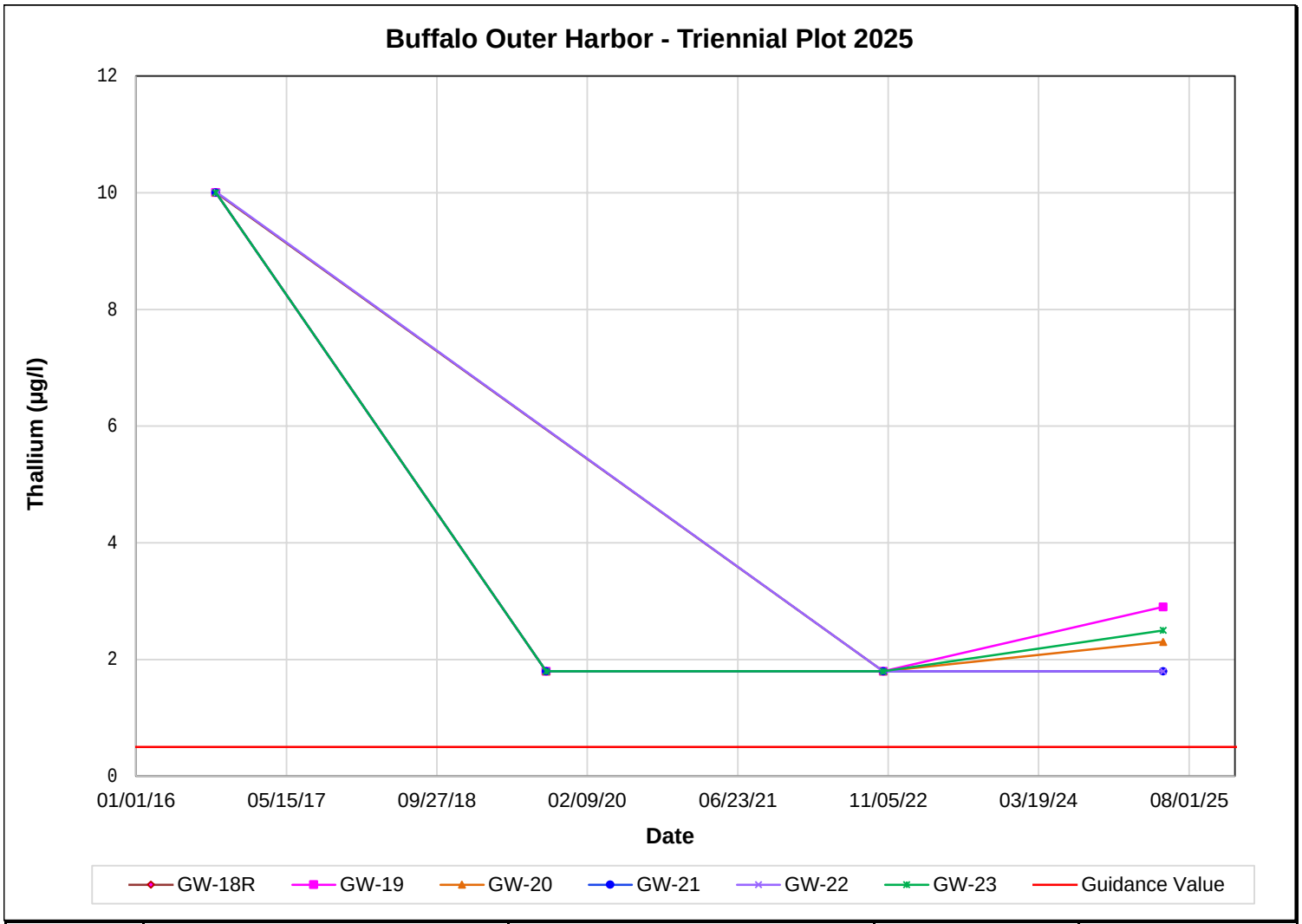
TITLE:	**Figure 18: Sodium Dissolved**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 8/18/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



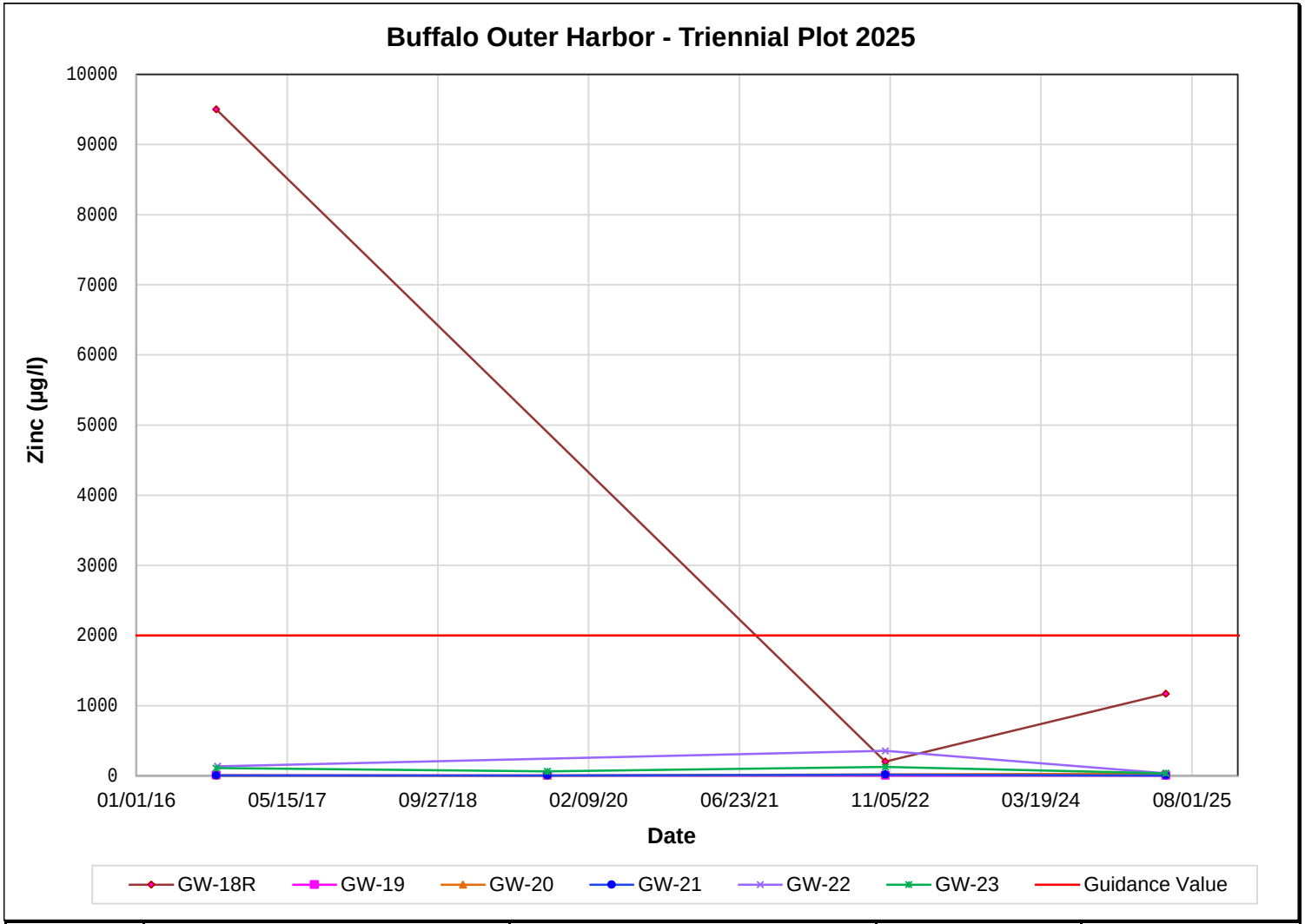
TITLE:	**Figure 19: Sodium Total**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 8/18/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



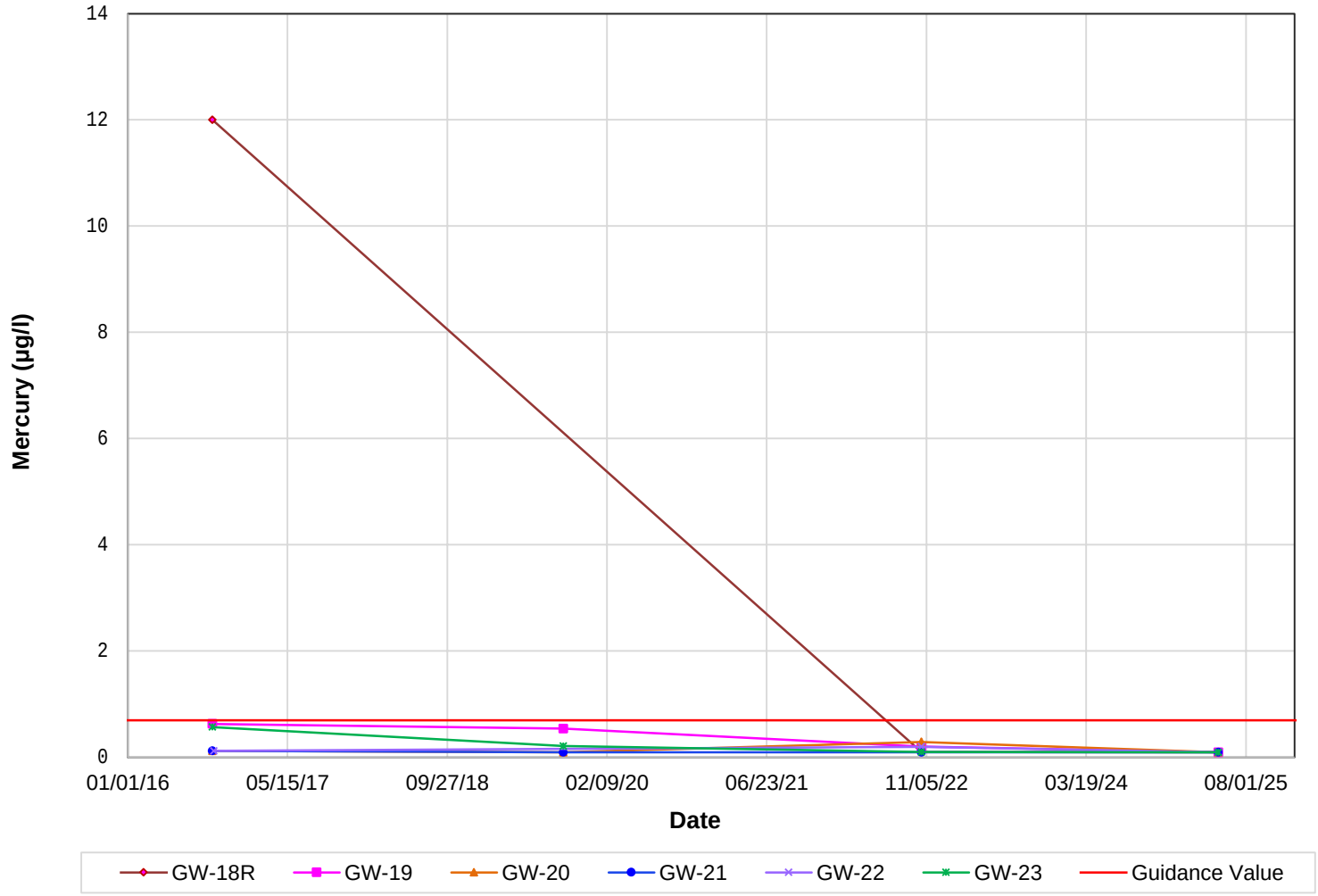
TITLE:	**Figure 20: Thallium Dissolved**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 8/18/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



TITLE:	**Figure 21: Thallium Total**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 8/18/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



TITLE:	**Figure 22: Zinc Total**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 10/31/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			



TITLE:	**Figure 23: Mercury Total**	EARTH ENVIRONMENT Engineering and Geology P.C.	**PREPARED BY:** **CHECKED BY:** **PROJECT#**	**LEL 8/18/2025** **RTB 10/31/2025** **US0023047.0558**
LOCATION:	**Buffalo Outer Harbor** **NYSDEC Site No. 915026**			

ATTACHMENT B.4 SITE INSPECTION FORMS

Site Inspection Form

Jacobs

Site Name: Outer Harbor Project Number: **37971** Weather: 70's, p. sunny
Completed by: Benjamin Hendry Date: 09/28/23

Yes	No	A. Security
☒	☐	1. Does fence exist?
☐	☒	2. Is there a breach in fence? If yes, describe and include photos in log
☐	☒	3. Locks in good condition and secured on gate upon arrival?
☐	☒	4. Posted signs in acceptable condition and legible?
☐	☒	5. Evidence of trespassers/vandalism observed?

Comments: Gate locks n/a, posted signs n/a.

		B. General Site Conditions
☐	☒	1. Vegetation stress present?
☐	☒	2. Mowing required?
☒	☐	3. Access road drivable?
☐	☒	4. Odors detected?

Comments: Mowed 09/28/23. Construction in access area adjacent to cap access

			C. Groundwater Monitoring & Recovery Wells
☒	☐		1. Monitoring and/or recovery systems exist on-site? (If no, skip section)
☒	☐	☐	2. Locks on wells?
☒	☐	☐	3. Wells in good condition?
☒	☐	☐	4. Well seals in good condition?
☒	☐	☐	5. Access to wells?
☒	☐	☐	6. Monitoring reports current?

Comments: Wells all locked and in good condition. High-vis paint on stick ups in good condition. Cleared vegetation around wells outside fence.

Site Inspection Form
Photo Log

Description	Image
Mowed cap	
Mowed cap	

Description	Image
Mowed cap	
Mowed cap	

Site Inspection Form

Jacobs

Site Name: Outer Harbor Project Number: 37971 Weather: 50's, Clear
Completed by: Dorian Kessler Date: 10/15/24

Yes	No	A. Security
☒	☐	1. Does fence exist?
☒	☐	2. Is there a breach in fence? If yes, describe and include photos in log
☐	☒	3. Locks in good condition and secured on gate upon arrival?
☐	☒	4. Posted signs in acceptable condition and legible?
☐	☒	5. Evidence of trespassers/vandalism observed?

Comments: Gate locks n/a, posted signs n/a. Fence damaged from fallen tree (image#8).

		B. General Site Conditions
☐	☒	1. Vegetation stress present?
☒	☐	2. Mowing required?
☒	☐	3. Access road drivable?
☐	☒	4. Odors detected?

Comments: Cap was mowed by end of week 10/18/24 (image#13,14,15). Exposed Liner from fallen tree (image#7).

NOTE: The referenced tree is outside the property boundary, and the "exposed liner" is actually landscaping fabric

			C. Groundwater Monitoring & Recovery Wells
☒	☐		1. Monitoring and/or recovery systems exist on-site? (If no, skip section)
☒	☐	☐	2. Locks on wells?
☒	☐	☐	3. Wells in good condition?
☒	☐	☐	4. Well seals in good condition?
☒	☐	☐	5. Access to wells?
☒	☐	☐	6. Monitoring reports current?

Comments: Wells all locked and in good condition. High-vis paint on stick ups in good condition. GW-19 had tree branch fall around well, may have damaged well base (image#6,9).

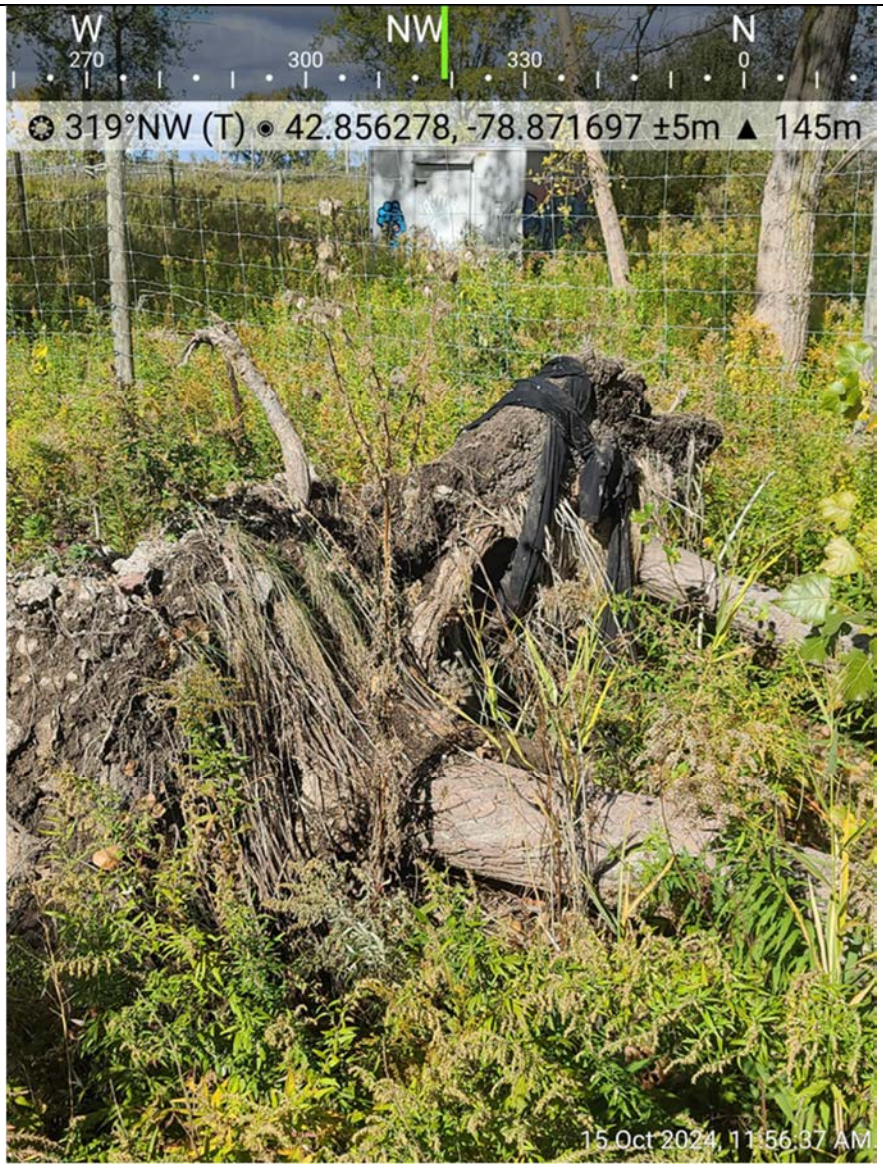
Description	
Image#1, Cap	
Image#2, Cap	

Description	
Image#3, Cap	

Description	
Image#4, GW-20	

Description	
Image#5, GW-21	

Description	
Image#6, GW-19	

Description	
Image#7, Fallen tree with exposed liner.	

Description	
Image#8, Bent fence top (circled).	

Description	
Image#9, GW-19 cracked base.	

Description	
Image#10, GW-22. Wasp nest in cover.	

Description	
Image#11, GW-18R	

Description	
Image#12, GW-23.	

Description	
Image#13, post mow.	
Image#14, post mow.	
Image#14, post mow.	

Site Inspection Form

Jacobs

Site Name: Outer Harbor Project Number: 37971 Weather: 68's, Cloudy
Completed by: Dorian Kessler Date: 09/25/25

Yes	No	A. Security
☒	☐	1. Does fence exist?
☐	☒	2. Is there a breach in fence? If yes, describe and include photos in log
☐	☒	3. Locks in good condition and secured on gate upon arrival?
☐	☒	4. Posted signs in acceptable condition and legible?
☐	☒	5. Evidence of trespassers/vandalism observed?

Comments: Gate locks n/a, posted signs n/a. Fence damaged from fallen tree – top rail of fence (image#2). No breach in fence.

		B. General Site Conditions
☐	☒	1. Vegetation stress present?
☐	☒	2. Mowing required?
☒	☐	3. Access road drivable?
☐	☒	4. Odors detected?

Comments: N/A

			C. Groundwater Monitoring & Recovery Wells
☒	☐		1. Monitoring and/or recovery systems exist on-site? (If no, skip section)
☒	☐	☐	2. Locks on wells?
☒	☐	☐	3. Wells in good condition?
☒	☐	☐	4. Well seals in good condition?
☒	☐	☐	5. Access to wells?
☒	☐	☐	6. Monitoring reports current?

Comments: Wells all locked and in good condition. High-vis paint on stick ups in good condition. GW-19 had tree branch fall around well, may have damaged well base (image#3).

Description	
Image#1, Cap	
Image#2, Downed tree outside of fence.	

Description	
Image#3, Downed tree canopy around GW-19.	

Description	
Image#4, Cap	
Image#5, GW-23 & cap	

ATTACHMENT B.5 DATA VALIDATION SUMMARY REPORT

DATA VALIDATION SUMMARY REPORT
MAY 2025 GROUNDWATER EVENT
HONEYWELL BUFFALO OUTER HARBOR
BUFFALO, NEW YORK

1.0 INTRODUCTION

Earth Environment Engineering and Geology P.C. completed data validation on groundwater samples collected by Jacobs during May 2025. Samples were analyzed by SGS North America Inc. located in Dayton, New Jersey. Sample data are reported under delivery group (SDG) JE11130. A summary of samples included in this report is presented on Table 1. Samples were analyzed by one or more of the following U.S. Environmental Protection (USEPA) SW-846 (USEPA, 1996) analytical methods were performed:

- Nitrobenzene by USEPA Method SW8270D LL.
- Total and dissolved metals by USEPA Method SW6010D and SW7470A.

Data validation was completed using Level II procedures described for Honeywell projects. Level II data quality reviews are completed using laboratory quality control (QC) summary forms. A summary of QC limits used during data validation is included in Table 2. Data qualifications were completed using the professional judgment of the validation chemist and general procedures specified in USEPA national data validation guidelines (USEPA, 2020a; USEPA, 2020b).

During the Level II data validation, the following data quality indicators are reviewed:

- Lab Report Narrative
- Data Completeness and Chain of Custody
- Sample Collection and Holding Times
- QC Blanks
- Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)
- Matrix Spike/Matrix Spike Duplicate (MS/MSD)
- Surrogate Spikes
- Field and Laboratory Duplicates
- Reporting Limits
- Electronic Data Verification

Data qualifications were completed, if necessary, in accordance with the guidelines using the following qualifiers:

U = The target compound was not detected at a concentration greater than, or equal to, the detection limit.
J = The reported concentration is considered an estimated value.
J+ = The reported concentration is considered an estimated value biased high.
J- = The reported concentration is considered an estimated value biased low.
UJ = The target compound was not detected and the reporting limit is considered to be estimated.
R = The reported value is rejected and is considered to be unusable

Validation reason codes are assigned to qualified results that are associated with QC measurements outside project QC goals. The data qualification actions are reviewed by the project chemist prior to accepting the final data. The validation qualification actions and associated validation reason codes are presented in Table 3. The following data validation reason codes were applied to one or more sample results:

FD = Field duplicate exceeds relative percent difference criteria
SSL=Surrogate recovery less than lower control limit

Results for non-detects were reported by the laboratory as U qualified results at the method detection limit (MDL). Target analyte results detected at concentrations between the method detection limit (MDL) and Method reporting limits (MRLs) were reported as J qualified estimated values by the laboratory.

Sample results that are not included in Table 3 were interpreted to be usable as reported by the laboratory. A complete summary of final sample results is provided in Table 4. A field duplicate summary is provided in Table 5.

2.0 DATA VALIDATION ACTIONS AND OBSERVATIONS

Quality control (QC) parameters and measurements checked during validation met requirements in the analytical method and/or validation guidelines. Unless specified below, results are interpreted to be usable as reported by the laboratory.

2.1 SVOC - Nitrobenzene

Data were evaluated based on the following parameters:

* Collection and Preservation
* Holding Times
* Data Completeness
* Blank Contamination
* LCS
* MS/MSD
* Field Duplicates
  Surrogate Recoveries
* Reporting Limits

* Criteria were met for this parameter

<u>Surrogates</u>

Surrogate percent recoveries for terphenyl-d14, 2-Fluorobiphenyl and Nitrobenzene-d5 in samples GW-18R-050725 (34/34/29), GW-19-050725 (49/43/32), GW-20-050725 (44/38/39), GW-22-050725 (28/26/11) and nitrobenzene-d5 and terphenyl-d14 in sample GW-23-050725 (46/47) were less than the QC limit of 50, which may indicate low bias. Nitrobenzene was not detected in associated samples and reporting limits were qualified as estimated (UJ) with reason code SSL.

2.2 Metals

Data were evaluated based on the following parameters:

* Collection and Preservation
* Holding Times
* Data Completeness
* Blank Contamination
* LCS
* MS/MSD
  Field Duplicates
  Reporting Limits

* - Criteria were met for this parameter

Field Duplicates

In general, field duplicate results indicate that good sampling and analytical precision was obtained in the groundwater media. Some results are qualified for not meeting project precision goals. A summary of qualified sample results is presented on Table 3. Field duplicate results are summarized in Table 5.

For the field duplicate pair GW-20-050725 and GW-20-FD-050725 the relative percent differences (RPD) for calcium (29) and magnesium (27) exceeded the QC limit of 20. The associated results in sample set GW-20-050725 and GW-20-FD-050725 were qualified as estimated (J) with reason code FD.

References:

U.S. Environmental Protection Agency (USEPA), 1996. "Test Methods for Evaluating Solid Waste"; Laboratory Manual Physical/Chemical Methods; Office of Solid Waste and Emergency Response; Washington, DC; SW-846; November 1986; Revision 4 -December 1996.

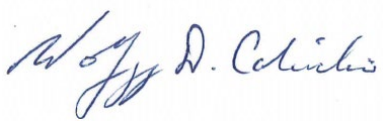
U.S. Environmental Protection Agency (USEPA), 2020. "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Data Review"; Office of Superfund Remediation and Technology Innovation (OSRTI); EPA-540-R-20-005; November 2020.

U.S. Environmental Protection Agency (USEPA), 2020. "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review"; Office of Superfund Remediation and Technology Innovation (OSRTI); EPA-542-R-20-006; November 2020.

Data Validator: Maivizhikannan V

July 24, 2025

Senior Chemist: Wolfgang D. Calicchio



July 25, 2025

TABLE 1
SAMPLE AND ANALYTICAL SUMMARY
DATA VALIDATION SUMMARY REPORT
MAY 2025 GROUNDWATER EVENT
HONEYWELL BUFFALO OUTER HARBOR
BUFFALO, NEW YORK

						Purpose	Nitrobenzene	Metals	Mercury
						Method	SW8270D	SW6010D	SW7470A
								Total	Total
SDG	Field Sample ID	Lab Sample ID	Location ID	Type	Matrix	Date			
JE11130	GW-18R-050725	JE11130-1	GW-18R	REG	GW	5/7/2025	1	22	1
JE11130	GW-19-050725	JE11130-2	GW-19	REG	GW	5/7/2025	1	22	1
JE11130	GW-20-050725	JE11130-3	GW-20	REG	GW	5/7/2025	1	22	1
JE11130	GW-20-FD-050725	JE11130-4	GW-20	FD	GW	5/7/2025	1	22	1
JE11130	GW-21-050725	JE11130-5	GW-21	REG	GW	5/7/2025	1	22	1
JE11130	GW-22-050725	JE11130-6	GW-22	REG	GW	5/7/2025	1	22	1
JE11130	GW-23-050725	JE11130-7	GW-23	REG	GW	5/7/2025	1	22	1

Notes:
FD = Field Duplicate
REG = Field Sample
SDG = Sample Delivery Group

Prepared by: Maivizhikannan V 07/24/2025
Reviewed by: Wolfgang D. Calicchio 07/24/2025

TABLE 2
PROJECT PRECISION AND ACCURACY GOALS
DATA VALIDATION SUMMARY REPORT
MAY 2025 GROUNDWATER
HONEYWELL BUFFALO OUTER HARBOR
BUFFALO, NEW YORK

PARAMETER	QC TEST	ANALYTE	WATER (%R)	WATER (RPD)
Semivolatiles	Surrogate	All BN Compounds	50 - 140	
	LCS	All BN Compounds	50 - 140	
	MS/MSD	All BN Compounds	50 - 140	20
	Field Duplicate	All Target Compounds		50
Inorganics-Metals	LCS	All Target Analytes	80 - 120	
	MS/MSD	All Target Analytes	75 -125	
	Lab Duplicate	All Target Analytes		20
	Field Duplicate	All Target Analytes		20

Notes:
BN = Base Neutral
LCS - Laboratory Control Sample
MS/MSD - Matrix spike/ Matrix Spike Duplicate
RPD = Relative Percent Difference
%R = Percent Recovery
QC = Quality Control
QC Limits are based on USEPA Region II Data Validation Guidelines and Project QA/QC Objectives

TABLE 3
VALIDATON ACTIONS SUMMARY
DATA VALIDATION SUMMARY REPORT
MAY 2025 GROUNDWATER EVENT
HONEYWELL BUFFALO OUTER HARBOR
BUFFALO, NEW YORK

SDG	Field Sample ID	Lab Sample ID	Type	Method	Fraction	Parameter	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
JE11130	GW-18R-050725	JE11130-1	REG	SW8270	T	Nitrobenzene	0.32	U	UJ	SSL	µg/L
JE11130	GW-19-050725	JE11130-2	REG	SW8270	T	Nitrobenzene	0.32	U	UJ	SSL	µg/L
JE11130	GW-20-050725	JE11130-3	REG	SW8270	T	Nitrobenzene	0.32	U	UJ	SSL	µg/L
JE11130	GW-22-050725	JE11130-6	REG	SW8270	T	Nitrobenzene	0.32	U	UJ	SSL	µg/L
JE11130	GW-23-050725	JE11130-7	REG	SW8270	T	Nitrobenzene	0.32	U	UJ	SSL	µg/L
JE11130	GW-20-050725	JE11130-3	REG	SW6010	T	Calcium	157000		J	FD	µg/L
JE11130	GW-20-FD-050725	JE11130-4	FD	SW6010	T	Calcium	117000		J	FD	µg/L
JE11130	GW-20-050725	JE11130-3	REG	SW6010	T	Magnesium	32700		J	FD	µg/L
JE11130	GW-20-FD-050725	JE11130-4	FD	SW6010	T	Magnesium	25000		J	FD	µg/L

Notes:
µg/L = micrograms per liter
FD (Reason Codes) = Field duplicate exceeds relative percent difference criteria
FD (Type) = Field duplicate sample
J = Estimated
REG = Field sample
SSL= Surrogate receovery less than the lower control limit
T = Total
U = Not detected

Prepared by: Maivizhikannan V 07/24/2025
Reviewed by: Wolfgang D. Calicchio 07/24/2025

TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
MAY 2025 GROUNDWATER EVENT
HONEYWELL BUFFALO OUTER HARBOR
BUFFALO, NEW YORK

			Sample Delivery Group	JE11130	JE11130	JE11130	JE11130
			Location	GW-18R	GW-19	GW-20	GW-20
			Field Sample ID	GW-18R-050725	GW-19-050725	GW-20-FD-050725	GW-20-050725
			Sample Date	5/7/2025	5/7/2025	5/7/2025	5/7/2025
Units	Method	Parameter Name	Fraction				
µg/L	SW8270	Nitrobenzene	T	0.32 UJ	0.32 UJ	0.32 U	0.32 UJ
µg/L	SW7470	Mercury	T	0.095 U	0.095 U	0.095 U	0.095 U
µg/L	SW6010	Aluminum	T	244	552	150 U	150 U
µg/L	SW6010	Antimony	T	9.9	4.7 U	4.7 U	7.5
µg/L	SW6010	Arsenic	T	9.7	3.3	2.8 U	2.8 U
µg/L	SW6010	Barium	T	72.0 J	22.8 J	31.5 J	45.2 J
µg/L	SW6010	Beryllium	T	0.50 U	0.50 U	0.50 U	0.50 U
µg/L	SW6010	Cadmium	T	1.0 U	1.0 U	1.0 U	1.0 J
µg/L	SW6010	Calcium	T	289000	114000	117000 J	157000 J
µg/L	SW6010	Chromium	T	2.0 U	24.0	2.0 U	2.0 U
µg/L	SW6010	Cobalt	T	2.6 U	2.6 U	2.6 U	2.6 U
µg/L	SW6010	Copper	T	5.9 U	5.9 U	5.9 U	5.9 U
µg/L	SW6010	Iron	T	597	83.3 J	144	240
µg/L	SW6010	Lead	T	11.4	1.8 U	1.8 UJ	5.7
µg/L	SW6010	Magnesium	T	53400	140 U	25000 J	32700 J
µg/L	SW6010	Manganese	T	163	1.4 U	26.7	42.4
µg/L	SW6010	Nickel	T	3.9 J	1.7 U	1.7 U	2.5 J
µg/L	SW6010	Potassium	T	23300	112000	24100	34800
µg/L	SW6010	Selenium	T	4.9 U	12.8	4.9 U	11.7
µg/L	SW6010	Silver	T	6.1 U	6.1 U	6.1 U	6.1 U
µg/L	SW6010	Sodium	T	14500	13400	9700 J	13900
µg/L	SW6010	Thallium	T	1.8 U	2.9 J	2.3 J	1.8 U
µg/L	SW6010	Vanadium	T	6.1 J	15.6 J	2.2 J	2.8 J
µg/L	SW6010	Zinc	T	1170	6.9 U	32.2	19.8 J

Notes:
µg/L = micrograms per liter
J = Estimated
T = Total
U = Not detected

Prepared by: Maivizhikannan V 07/24/2025
Reviewed by: Wolfgang D. Calicchio 07/25/2025

TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
MAY 2025 GROUNDWATER EVENT
HONEYWELL BUFFALO OUTER HARBOR
BUFFALO, NEW YORK

			Sample Delivery Group	JE11130	JE11130	JE11130
			Location	GW-21	GW-22	GW-23
			Field Sample ID	GW-21-050725	GW-22-050725	GW-23-050725
			Sample Date	5/7/2025	5/7/2025	5/7/2025
Units	Method	Parameter Name	Fraction			
µg/L	SW8270	Nitrobenzene	T	0.32 U	0.32 UJ	0.32 UJ
µg/L	SW7470	Mercury	T	0.095 U	0.095 U	0.095 U
µg/L	SW6010	Aluminum	T	150 U	153 J	150 U
µg/L	SW6010	Antimony	T	4.7 U	4.7 U	7.7
µg/L	SW6010	Arsenic	T	4.1	2.8 U	5.3
µg/L	SW6010	Barium	T	32.4 J	60.8 J	138 J
µg/L	SW6010	Beryllium	T	0.50 U	0.50 U	0.50 U
µg/L	SW6010	Cadmium	T	1.0 U	1.0 U	1.0 U
µg/L	SW6010	Calcium	T	41400	213000	280000
µg/L	SW6010	Chromium	T	2.0 U	2.0 U	2.0 U
µg/L	SW6010	Cobalt	T	2.6 U	2.6 U	2.6 U
µg/L	SW6010	Copper	T	5.9 U	11.0	9.4 J
µg/L	SW6010	Iron	T	69.7 J	1070	2850
µg/L	SW6010	Lead	T	1.8 U	5.3 J	11.6
µg/L	SW6010	Magnesium	T	570 J	91400	59800
µg/L	SW6010	Manganese	T	1.4 U	528	250
µg/L	SW6010	Nickel	T	1.7 U	12.7	3.3 J
µg/L	SW6010	Potassium	T	13800	10800	22500
µg/L	SW6010	Selenium	T	4.9 U	4.9 U	4.9 U
µg/L	SW6010	Silver	T	6.1 U	6.1 U	6.1 U
µg/L	SW6010	Sodium	T	10600	19600	15700
µg/L	SW6010	Thallium	T	1.8 U	1.8 U	2.5 J
µg/L	SW6010	Vanadium	T	2.0 J	1.8 U	1.8 U
µg/L	SW6010	Zinc	T	6.9 U	37.8	38.5

Notes:
µg/L = micrograms per liter
J = Estimated
T = Total
U = Not detected

Prepared by: Maivizhikannan V 07/24/2025
Reviewed by: Wolfgang D. Calicchio 07/25/2025

TABLE 5
FIELD DUPLICATE RESULTS
DATA VALIDATION SUMMARY REPORT
MAY 2025 GROUNDWATER EVENT
HONEYWELL BUFFALO OUTER HARBOR
BUFFALO, NEW YORK

			Field Sample ID	GW-20-050725	GW-20-FD-091422	
			Location	GW-20	GW-20	
			Sample Date	5/7/2025	5/7/2025	
			Sample Delivery Group	JE11130	JE11130	
Units	Method	Parameter Name	Fraction			RPD
µg/L	SW8270	Nitrobenzene	T	0.32 UJ	0.32 U	
µg/L	SW7470	Mercury	T	0.095 U	0.095 U	
µg/L	SW6010	Aluminum	T	150 U	150 U	
µg/L	SW6010	Antimony	T	7.5	4.7 U	NC
µg/L	SW6010	Arsenic	T	2.8 U	2.8 U	
µg/L	SW6010	Barium	T	45.2 J	31.5 J	36
µg/L	SW6010	Beryllium	T	0.50 U	0.50 U	
µg/L	SW6010	Cadmium	T	1.0 J	1.0 U	
µg/L	SW6010	Calcium	T	157000 J	117000 J	29 *
µg/L	SW6010	Chromium	T	2.0 U	2.0 U	
µg/L	SW6010	Cobalt	T	2.6 U	2.6 U	
µg/L	SW6010	Copper	T	5.9 U	5.9 U	
µg/L	SW6010	Iron	T	240	144	50
µg/L	SW6010	Lead	T	5.7	1.8 UJ	104
µg/L	SW6010	Magnesium	T	32700 J	25000 J	27 *
µg/L	SW6010	Manganese	T	42.4	26.7	45
µg/L	SW6010	Nickel	T	2.5 J	1.7 U	
µg/L	SW6010	Potassium	T	34800	24100	36
µg/L	SW6010	Selenium	T	11.7	4.9 U	82
µg/L	SW6010	Silver	T	6.1 U	6.1 U	
µg/L	SW6010	Sodium	T	13900	9700 J	36
µg/L	SW6010	Thallium	T	1.8 U	2.3 J	NC
µg/L	SW6010	Vanadium	T	2.8 J	2.2 J	24
µg/L	SW6010	Zinc	T	19.8 J	32.2	48

Notes:
*= qualifed for RPD/ difference
µg/L = micrograms per liter
NC= Not calculated when difference of both results are < 2X RL
RPD = Relative Percent Difference
T = Total

Prepared by: Maivizhikannan V 07/24/2025
Reviewed by: Wolfgang D. Calicchio 07/24/2025

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Honeywell International Inc. OMM work

HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

PO#A002028832

SGS Job Number: JE11130

Sampling Date: 05/07/25

Report to:

WSP USA Environment & Infrastructure Inc
511 Congress Street
Portland, ME 04112
HTS-RES-LAB@Honeywell.com; Ryan.Belcher@amecfw.com; michael.fay@jacobs.com; Benjamin.Hendry@jacobs.com
ATTN: Ryan Belcher

Total number of pages in report: 65

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Louie Devletter 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

Sections: 1 2 3 4 5 6 7

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SGS North America Inc.

Sample Summary

Honeywell International Inc. OMM work

Job No: JE11130

HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY
Project No: PO#A002028832

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JE11130-1	05/07/25	14:00	DK	05/09/25	AQ	Ground Water	GW-18R-050725
JE11130-2	05/07/25	15:00	DK	05/09/25	AQ	Ground Water	GW-19-050725
JE11130-3	05/07/25	15:40	DK	05/09/25	AQ	Ground Water	GW-20-050725
JE11130-3D	05/07/25	15:40	DK	05/09/25	AQ	Water Dup/MSD	GW-20-MSD-050725
JE11130-3S	05/07/25	15:40	DK	05/09/25	AQ	Water Matrix Spike	GW-20-MS-050725
JE11130-4	05/07/25	15:40	DK	05/09/25	AQ	Ground Water	GW-20-FD-050725
JE11130-5	05/07/25	15:10	DK	05/09/25	AQ	Ground Water	GW-21-050725
JE11130-6	05/07/25	14:15	DK	05/09/25	AQ	Ground Water	GW-22-050725
JE11130-7	05/07/25	14:25	DK	05/09/25	AQ	Ground Water	GW-23-050725

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL
Metals ND = Not detected above the MDL

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Honeywell International Inc. OMM work **Job No:** JE11130

Site: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, **Report Date** 5/22/2025 11:43:51 A

On 05/09/2025, 7 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 1.9 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JE11130 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ **Batch ID:** OP63551

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) JE11130-3MS, JE11130-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JE11130-6: Due to low surrogate recovery the sample was re-extracted for confirmation of results.

Matrix: AQ **Batch ID:** OP63709

- The data for SW846 8270E meets quality control requirements.
- JE11130-6: Sample extracted outside the holding time. Confirmation run.

Metals Analysis By Method SW846 6010D

Matrix: AQ **Batch ID:** MP54453

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE11104-5PS, JE11104-5SDL, JE11130-3MS, JE11130-3MSD, JE11130-3SDL were used as the QC samples for the metals analysis.
- The serial dilution RPD(s) for Aluminum, Antimony, Cadmium, Cobalt, Nickel, Selenium, Vanadium, Zinc, Arsenic, Lead are outside control limits for sample MP54453-SD1, MP54453-SD2. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- JE11130-7 for Lead: Elevated detection limit due to dilution required for high interfering element.
- JE11130-6 for Lead: Elevated detection limit due to dilution required for high interfering element.

Metals Analysis By Method SW846 7470A

Matrix: AQ **Batch ID:** MP54443

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE11130-3MS, JE11130-3MSD were used as the QC samples for the metals analysis.

Matrix: AQ **Batch ID:** MP54467

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE11142-21MS, JE11142-21MSD were used as the QC samples for the metals analysis.

Matrix: AQ **Batch ID:** MP54587

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE11599-7FMS, JE11599-7FMSD were used as the QC samples for the metals analysis.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JE11130
Account: Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY
Collected: 05/07/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE11130-1	**GW-18R-050725**					
Aluminum		244	200	150	ug/l	SW846 6010D
Antimony		9.9	6.0	4.7	ug/l	SW846 6010D
Arsenic		9.7	3.0	2.8	ug/l	SW846 6010D
Barium		72.0 J	200	13	ug/l	SW846 6010D
Calcium		289000	10000	200	ug/l	SW846 6010D
Iron		597	100	32	ug/l	SW846 6010D
Lead		11.4	6.0	3.6	ug/l	SW846 6010D
Magnesium		53400	5000	140	ug/l	SW846 6010D
Manganese		163	15	1.4	ug/l	SW846 6010D
Nickel		3.9 J	10	1.7	ug/l	SW846 6010D
Potassium		23300	10000	200	ug/l	SW846 6010D
Sodium		14500	10000	570	ug/l	SW846 6010D
Vanadium		6.1 J	50	1.8	ug/l	SW846 6010D
Zinc		1170	20	6.9	ug/l	SW846 6010D
JE11130-2	**GW-19-050725**					
Aluminum		552	200	150	ug/l	SW846 6010D
Arsenic		3.3	3.0	2.8	ug/l	SW846 6010D
Barium		22.8 J	200	13	ug/l	SW846 6010D
Calcium		114000	5000	99	ug/l	SW846 6010D
Chromium		24.0	10	2.0	ug/l	SW846 6010D
Iron		83.3 J	100	32	ug/l	SW846 6010D
Potassium		112000	10000	200	ug/l	SW846 6010D
Selenium		12.8	10	4.9	ug/l	SW846 6010D
Sodium		13400	10000	570	ug/l	SW846 6010D
Thallium		2.9 J	10	1.8	ug/l	SW846 6010D
Vanadium		15.6 J	50	1.8	ug/l	SW846 6010D
JE11130-3	**GW-20-050725**					
Antimony		7.5	6.0	4.7	ug/l	SW846 6010D
Barium		45.2 J	200	13	ug/l	SW846 6010D
Cadmium		1.0 J	3.0	1.0	ug/l	SW846 6010D
Calcium		157000	5000	99	ug/l	SW846 6010D
Iron		240	100	32	ug/l	SW846 6010D
Lead		5.7	3.0	1.8	ug/l	SW846 6010D
Magnesium		32700	5000	140	ug/l	SW846 6010D
Manganese		42.4	15	1.4	ug/l	SW846 6010D
Nickel		2.5 J	10	1.7	ug/l	SW846 6010D
Potassium		34800	10000	200	ug/l	SW846 6010D
Selenium		11.7	10	4.9	ug/l	SW846 6010D
Sodium		13900	10000	570	ug/l	SW846 6010D

Summary of Hits

Job Number: JE11130
Account: Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY
Collected: 05/07/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Vanadium		2.8 J	50	1.8	ug/l	SW846 6010D
Zinc		19.8 J	20	6.9	ug/l	SW846 6010D
JE11130-4	**GW-20-FD-050725**					
Barium		31.5 J	200	13	ug/l	SW846 6010D
Calcium		117000	5000	99	ug/l	SW846 6010D
Iron		144	100	32	ug/l	SW846 6010D
Magnesium		25000	5000	140	ug/l	SW846 6010D
Manganese		26.7	15	1.4	ug/l	SW846 6010D
Potassium		24100	10000	200	ug/l	SW846 6010D
Sodium		9700 J	10000	570	ug/l	SW846 6010D
Thallium		2.3 J	10	1.8	ug/l	SW846 6010D
Vanadium		2.2 J	50	1.8	ug/l	SW846 6010D
Zinc		32.2	20	6.9	ug/l	SW846 6010D
JE11130-5	**GW-21-050725**					
Arsenic		4.1	3.0	2.8	ug/l	SW846 6010D
Barium		32.4 J	200	13	ug/l	SW846 6010D
Calcium		41400	5000	99	ug/l	SW846 6010D
Iron		69.7 J	100	32	ug/l	SW846 6010D
Magnesium		570 J	5000	140	ug/l	SW846 6010D
Potassium		13800	10000	200	ug/l	SW846 6010D
Sodium		10600	10000	570	ug/l	SW846 6010D
Vanadium		2.0 J	50	1.8	ug/l	SW846 6010D
JE11130-6	**GW-22-050725**					
Aluminum		153 J	200	150	ug/l	SW846 6010D
Barium		60.8 J	200	13	ug/l	SW846 6010D
Calcium		213000	10000	200	ug/l	SW846 6010D
Copper		11.0	10	5.9	ug/l	SW846 6010D
Iron		1070	100	32	ug/l	SW846 6010D
Lead [a]		5.3 J	6.0	3.6	ug/l	SW846 6010D
Magnesium		91400	5000	140	ug/l	SW846 6010D
Manganese		528	15	1.4	ug/l	SW846 6010D
Nickel		12.7	10	1.7	ug/l	SW846 6010D
Potassium		10800	10000	200	ug/l	SW846 6010D
Sodium		19600	10000	570	ug/l	SW846 6010D
Zinc		37.8	20	6.9	ug/l	SW846 6010D
JE11130-7	**GW-23-050725**					
Antimony		7.7	6.0	4.7	ug/l	SW846 6010D

Summary of Hits

Job Number: JE11130
Account: Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY
Collected: 05/07/25

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Arsenic	5.3	3.0	2.8	ug/l	SW846 6010D
Barium	138 J	200	13	ug/l	SW846 6010D
Calcium	280000	10000	200	ug/l	SW846 6010D
Copper	9.4 J	10	5.9	ug/l	SW846 6010D
Iron	2850	100	32	ug/l	SW846 6010D
Lead [a]	11.6	6.0	3.6	ug/l	SW846 6010D
Magnesium	59800	5000	140	ug/l	SW846 6010D
Manganese	250	15	1.4	ug/l	SW846 6010D
Nickel	3.3 J	10	1.7	ug/l	SW846 6010D
Potassium	22500	10000	200	ug/l	SW846 6010D
Sodium	15700	10000	570	ug/l	SW846 6010D
Thallium	2.5 J	10	1.8	ug/l	SW846 6010D
Zinc	38.5	20	6.9	ug/l	SW846 6010D

(a) Elevated detection limit due to dilution required for high interfering element.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: GW-18R-050725
Lab Sample ID: JE11130-1 **Date Sampled:** 05/07/25
Matrix: AQ - Ground Water **Date Received:** 05/09/25
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P521045.D	.5	05/15/25 23:15	AO	05/14/25 13:00	OP63551	E6P4405
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
98-95-3	Nitrobenzene	ND	1.0	0.32	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	29%		28-118%
321-60-8	2-Fluorobiphenyl	34%		34-116%
1718-51-0	Terphenyl-d14	34%		10-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GW-18R-050725
Lab Sample ID: JE11130-1
Matrix: AQ - Ground Water
Date Sampled: 05/07/25
Date Received: 05/09/25
Percent Solids: n/a
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	244	200	150	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [5]
Antimony	9.9	6.0	4.7	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [5]
Arsenic	9.7	3.0	2.8	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [5]
Barium	72.0 J	200	13	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [5]
Beryllium	ND	1.0	0.50	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [5]
Cadmium	ND	3.0	1.0	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [5]
Calcium	289000	10000	200	ug/l	2	05/14/25	05/15/25	LM	SW846 6010D [3]	SW846 3010A [5]
Chromium	ND	10	2.0	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [5]
Cobalt	ND	50	2.6	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [5]
Copper	ND	10	5.9	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [5]
Iron	597	100	32	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [5]
Lead	11.4	6.0	3.6	ug/l	2	05/14/25	05/15/25	LM	SW846 6010D [3]	SW846 3010A [5]
Magnesium	53400	5000	140	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [5]
Manganese	163	15	1.4	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [5]
Mercury	ND	0.20	0.095	ug/l	1	05/13/25	05/13/25	CM	SW846 7470A [1]	SW846 7470A [4]
Nickel	3.9 J	10	1.7	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [5]
Potassium	23300	10000	200	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [5]
Selenium	ND	10	4.9	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [5]
Silver	ND	10	6.1	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [5]
Sodium	14500	10000	570	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [5]
Thallium	ND	10	1.8	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [5]
Vanadium	6.1 J	50	1.8	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [5]
Zinc	1170	20	6.9	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA58507
(2) Instrument QC Batch: MA58522
(3) Instrument QC Batch: MA58533
(4) Prep QC Batch: MP54443
(5) Prep QC Batch: MP54453

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: GW-19-050725
Lab Sample ID: JE11130-2 **Date Sampled:** 05/07/25
Matrix: AQ - Ground Water **Date Received:** 05/09/25
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P521046.D	.5	05/15/25 23:34	AO	05/14/25 13:00	OP63551	E6P4405
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
98-95-3	Nitrobenzene	ND	1.0	0.32	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	32%		28-118%
321-60-8	2-Fluorobiphenyl	43%		34-116%
1718-51-0	Terphenyl-d14	49%		10-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GW-19-050725
Lab Sample ID: JE11130-2
Matrix: AQ - Ground Water
Date Sampled: 05/07/25
Date Received: 05/09/25
Percent Solids: n/a
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	552	200	150	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Antimony	ND	6.0	4.7	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Arsenic	3.3	3.0	2.8	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Barium	22.8 J	200	13	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Beryllium	ND	1.0	0.50	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Cadmium	ND	3.0	1.0	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Calcium	114000	5000	99	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Chromium	24.0	10	2.0	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Cobalt	ND	50	2.6	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Copper	ND	10	5.9	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Iron	83.3 J	100	32	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Lead	ND	3.0	1.8	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Magnesium	ND	5000	140	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Manganese	ND	15	1.4	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Mercury	ND	0.20	0.095	ug/l	1	05/13/25	05/13/25	CM	SW846 7470A [1]	SW846 7470A [3]
Nickel	ND	10	1.7	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Potassium	112000	10000	200	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Selenium	12.8	10	4.9	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Silver	ND	10	6.1	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Sodium	13400	10000	570	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Thallium	2.9 J	10	1.8	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Vanadium	15.6 J	50	1.8	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Zinc	ND	20	6.9	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA58507
(2) Instrument QC Batch: MA58522
(3) Prep QC Batch: MP54443
(4) Prep QC Batch: MP54453

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: GW-20-050725
Lab Sample ID: JE11130-3 **Date Sampled:** 05/07/25
Matrix: AQ - Ground Water **Date Received:** 05/09/25
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F226050.D	1	05/15/25 19:10	AO	05/14/25 13:00	OP63551	EF10042
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	0.50 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
98-95-3	Nitrobenzene	ND	1.0	0.32	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	39%		28-118%
321-60-8	2-Fluorobiphenyl	38%		34-116%
1718-51-0	Terphenyl-d14	44%		10-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GW-20-050725
Lab Sample ID: JE11130-3
Matrix: AQ - Ground Water
Date Sampled: 05/07/25
Date Received: 05/09/25
Percent Solids: n/a
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	ND	200	150	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Antimony	7.5	6.0	4.7	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Arsenic	ND	3.0	2.8	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Barium	45.2 J	200	13	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Beryllium	ND	1.0	0.50	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Cadmium	1.0 J	3.0	1.0	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Calcium	157000	5000	99	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Chromium	ND	10	2.0	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Cobalt	ND	50	2.6	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Copper	ND	10	5.9	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Iron	240	100	32	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Lead	5.7	3.0	1.8	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Magnesium	32700	5000	140	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Manganese	42.4	15	1.4	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Mercury	ND	0.20	0.095	ug/l	1	05/13/25	05/13/25	CM	SW846 7470A [1]	SW846 7470A [3]
Nickel	2.5 J	10	1.7	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Potassium	34800	10000	200	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Selenium	11.7	10	4.9	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Silver	ND	10	6.1	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Sodium	13900	10000	570	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Thallium	ND	10	1.8	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Vanadium	2.8 J	50	1.8	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]
Zinc	19.8 J	20	6.9	ug/l	1	05/14/25	05/14/25	LM	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA58507
(2) Instrument QC Batch: MA58521
(3) Prep QC Batch: MP54443
(4) Prep QC Batch: MP54453

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: GW-20-FD-050725
Lab Sample ID: JE11130-4 **Date Sampled:** 05/07/25
Matrix: AQ - Ground Water **Date Received:** 05/09/25
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P521047.D	.5	05/15/25 23:54	AO	05/14/25 13:00	OP63551	E6P4405
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
98-95-3	Nitrobenzene	ND	1.0	0.32	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	51%		28-118%
321-60-8	2-Fluorobiphenyl	66%		34-116%
1718-51-0	Terphenyl-d14	43%		10-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GW-20-FD-050725
Lab Sample ID: JE11130-4
Matrix: AQ - Ground Water
Date Sampled: 05/07/25
Date Received: 05/09/25
Percent Solids: n/a
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	ND	200	150	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Antimony	ND	6.0	4.7	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Arsenic	ND	3.0	2.8	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Barium	31.5 J	200	13	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Beryllium	ND	1.0	0.50	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Cadmium	ND	3.0	1.0	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Calcium	117000	5000	99	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Chromium	ND	10	2.0	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Cobalt	ND	50	2.6	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Copper	ND	10	5.9	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Iron	144	100	32	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Lead	ND	3.0	1.8	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Magnesium	25000	5000	140	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Manganese	26.7	15	1.4	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Mercury	ND	0.20	0.095	ug/l	1	05/13/25	05/20/25	CM	SW846 7470A [2]	SW846 7470A [4]
Nickel	ND	10	1.7	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Potassium	24100	10000	200	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Selenium	ND	10	4.9	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Silver	ND	10	6.1	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Sodium	9700 J	10000	570	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Thallium	2.3 J	10	1.8	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Vanadium	2.2 J	50	1.8	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]
Zinc	32.2	20	6.9	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA58533
(2) Instrument QC Batch: MA58558
(3) Prep QC Batch: MP54453
(4) Prep QC Batch: MP54587

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: GW-21-050725
Lab Sample ID: JE11130-5 **Date Sampled:** 05/07/25
Matrix: AQ - Ground Water **Date Received:** 05/09/25
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P521048.D	.5	05/16/25 00:13	AO	05/14/25 13:00	OP63551	E6P4405
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
98-95-3	Nitrobenzene	ND	1.0	0.32	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	54%		28-118%
321-60-8	2-Fluorobiphenyl	72%		34-116%
1718-51-0	Terphenyl-d14	66%		10-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GW-21-050725
Lab Sample ID: JE11130-5
Matrix: AQ - Ground Water
Date Sampled: 05/07/25
Date Received: 05/09/25
Percent Solids: n/a
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	ND	200	150	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Antimony	ND	6.0	4.7	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Arsenic	4.1	3.0	2.8	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Barium	32.4 J	200	13	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Beryllium	ND	1.0	0.50	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Cadmium	ND	3.0	1.0	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Calcium	41400	5000	99	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Chromium	ND	10	2.0	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Cobalt	ND	50	2.6	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Copper	ND	10	5.9	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Iron	69.7 J	100	32	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Lead	ND	3.0	1.8	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Magnesium	570 J	5000	140	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Manganese	ND	15	1.4	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Mercury	ND	0.20	0.095	ug/l	1	05/13/25	05/13/25	CM	SW846 7470A [1]	SW846 7470A [3]
Nickel	ND	10	1.7	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Potassium	13800	10000	200	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Selenium	ND	10	4.9	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Silver	ND	10	6.1	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Sodium	10600	10000	570	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Thallium	ND	10	1.8	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Vanadium	2.0 J	50	1.8	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]
Zinc	ND	20	6.9	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA58507
(2) Instrument QC Batch: MA58533
(3) Prep QC Batch: MP54443
(4) Prep QC Batch: MP54453

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: GW-22-050725
Lab Sample ID: JE11130-6 **Date Sampled:** 05/07/25
Matrix: AQ - Ground Water **Date Received:** 05/09/25
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6P521049.D	.5	05/16/25 00:32	AO	05/14/25 13:00	OP63551	E6P4405
Run #2 [b]	F226156.D	1	05/21/25 14:21	AO	05/20/25 09:30	OP63709	EF10048

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
98-95-3	Nitrobenzene	ND	1.0	0.32	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	11% [c]	77%	28-118%
321-60-8	2-Fluorobiphenyl	26% [c]	73%	34-116%
1718-51-0	Terphenyl-d14	28%	78%	10-127%

(a) Due to low surrogate recovery the sample was re-extracted for confirmation of results.
(b) Sample extracted outside the holding time. Confirmation run.
(c) Outside control limits.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GW-22-050725
Lab Sample ID: JE11130-6
Matrix: AQ - Ground Water
Date Sampled: 05/07/25
Date Received: 05/09/25
Percent Solids: n/a
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	153 J	200	150	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Antimony	ND	6.0	4.7	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Arsenic	ND	3.0	2.8	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Barium	60.8 J	200	13	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Beryllium	ND	1.0	0.50	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Cadmium	ND	3.0	1.0	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Calcium	213000	10000	200	ug/l	2	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Chromium	ND	10	2.0	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Cobalt	ND	50	2.6	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Copper	11.0	10	5.9	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Iron	1070	100	32	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Lead [a]	5.3 J	6.0	3.6	ug/l	2	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Magnesium	91400	5000	140	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Manganese	528	15	1.4	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Mercury	ND	0.20	0.095	ug/l	1	05/13/25	05/14/25	CM	SW846 7470A [1]	SW846 7470A [4]
Nickel	12.7	10	1.7	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Potassium	10800	10000	200	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Selenium	ND	10	4.9	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Silver	ND	10	6.1	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Sodium	19600	10000	570	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Thallium	ND	10	1.8	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Vanadium	ND	50	1.8	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Zinc	37.8	20	6.9	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA58516
(2) Instrument QC Batch: MA58533
(3) Prep QC Batch: MP54453
(4) Prep QC Batch: MP54467

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: GW-23-050725
Lab Sample ID: JE11130-7 **Date Sampled:** 05/07/25
Matrix: AQ - Ground Water **Date Received:** 05/09/25
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P521050.D	.5	05/16/25 00:52	AO	05/14/25 13:00	OP63551	E6P4405
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
98-95-3	Nitrobenzene	ND	1.0	0.32	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	47%		28-118%
321-60-8	2-Fluorobiphenyl	62%		34-116%
1718-51-0	Terphenyl-d14	46%		10-127%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GW-23-050725
Lab Sample ID: JE11130-7
Matrix: AQ - Ground Water
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

Date Sampled: 05/07/25
Date Received: 05/09/25
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	ND	200	150	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Antimony	7.7	6.0	4.7	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Arsenic	5.3	3.0	2.8	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Barium	138 J	200	13	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Beryllium	ND	1.0	0.50	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Cadmium	ND	3.0	1.0	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Calcium	280000	10000	200	ug/l	2	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Chromium	ND	10	2.0	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Cobalt	ND	50	2.6	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Copper	9.4 J	10	5.9	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Iron	2850	100	32	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Lead [a]	11.6	6.0	3.6	ug/l	2	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Magnesium	59800	5000	140	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Manganese	250	15	1.4	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Mercury	ND	0.20	0.095	ug/l	1	05/13/25	05/14/25	CM	SW846 7470A [1]	SW846 7470A [4]
Nickel	3.3 J	10	1.7	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Potassium	22500	10000	200	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Selenium	ND	10	4.9	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Silver	ND	10	6.1	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Sodium	15700	10000	570	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Thallium	2.5 J	10	1.8	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Vanadium	ND	50	1.8	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]
Zinc	38.5	20	6.9	ug/l	1	05/14/25	05/15/25	LM	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA58516
(2) Instrument QC Batch: MA58533
(3) Prep QC Batch: MP54453
(4) Prep QC Batch: MP54467

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: Honeywell Limits

JE11130

ARM-LD-042825-202

SGS Laboratories
2235 Route 130
Dayton, NJ 08810
(p) 732-329-0200

Honeywell

Chain of Custody / Analysis Request

Save with QC Check: Gray Cells Required | More Columns | Less Columns | Print Short COC | Print Expanded COC

AESI Ref: 45785.42175
COC#: OH-050725
Page 1 of 1

Sampling Co.:	Jacobs	Pricing Source (RFP, eAuction, etc)		HW Site Name	HLAME: 37971 - Buffalo Outer Harbor	Task Type	OM&M	Lab Proj # (SDG):	
Reporting Information (Alliance Firm Contact) Name	Mike Fay Jacobs	Email of person receiving EDD	ryan.belcher@wsp.com	Location of Site	901 Fuhrmann Boulevard, Buffalo NY	WBS Code	6400	Lab Location ID	ACTD
Address	1563 Willis Ave	Sampler(s) names	Dorian Kessler	Method Analytical Group				HW Site R-Code	R37971
City, State, Zip	Syracuse NY, 13204	PO #-WBS	A002028832	Preservative	4	4	1	Sampling Program	Triannual
Contact; email	michael.fay@jacobs.com	Analysis Turnaround Time (calendar days):	STANDARD					Authorized User:	Honeywell
Billing Information (DocuSign Second Signer) Co. Name	Honeywell	Consultant	Jacobs					Lab Parent ID	SGS
Address	301 Plainfield Road, Suite 330	Laboratory Contact	Louie DeVletter					Text & Excel File Drive	Excel & Text File Order
City, State, Zip	Syracuse, New York 13212	Report Tier Level	2					Create Excel Output	
HW RM email	Sasa.Jazic@Honeywell.com	Full Report and EDD TAT (calendar days)	STANDARD					Create Text Output	
		Honeywell RM Name	Sasa Jazic						

More Rows | Less Rows

	Sample Identification Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID	Sample Date	Sample Time	Sample Type	Sample Matrix	Sample Medium	# of Cont.	Composite (Y, N)	Field Filtered Sample (Y, N)	6010B, 7470A - MTAL [Total]	6010B, 7470A - MTAL [DISS] **	B627ONENZ_Nitrobenzene ***	Sampling Method (rt_sample_method)	Lab Sample Numbers
	Units																
1	GW-18R	---	---	GW-18R-050725	5/7/2025	1400	REG	GW	WATER	3	N	N	1		2		
2	GW-19	---	---	GW-19-050725	5/7/2025	1500	REG	GW	WATER	3	N	N	1		2		
3	GW-20	---	---	GW-20-050725	5/7/2025	1540	REG	GW	WATER	3	N	N	1		2		
4	GW-20	---	---	GW-20-MS-050725	5/7/2025	1540	MS	WQ	WATER	3	N	N	1		2		
5	GW-20	---	---	GW-20-MSD-050725	5/7/2025	1540	MSD	WQ	WATER	3	N	N	1		2		
6	GW-20	---	---	GW-20-FD-050725	5/7/2025	1540	FD	WQ	WATER	3	N	N	1		2		
7	GW-21	---	---	GW-21-050725	5/7/2025	1510	REG	GW	WATER	3	N	N	1		2		
8	GW-22	---	---	GW-22-050725	5/7/2025	1415	REG	GW	WATER	3	N	N	1		2		
9	GW-23	---	---	GW-23-050725	5/7/2025	1425	REG	GW	WATER	3	N	N	1		2		
10																	
11																	
12																	

Initial Assessment 2AEW
Label Verification NP

NOTES: ***Nitrobenzene MDL must be less than 0.4 ppb.
Final volume of extract to be 0.5 mL for target reporting/detection limits. Save all extracts

Relinquished by	Company	Date/Time	Received by	Company	Date/Time	Condition	Custody Seals Intact
Dorian Kessler	Jacobs	5/7/25 2000	Jacobs Fridge	Jacobs	5/7/25 20:00	Cooler Temp.	
Relinquished by	Company	Date/Time	Received by	Company	Date/Time	Condition	Custody Seals Intact
Dorian Kessler	Jacobs	5/8/25	FEDEX		5/8/25 14:00	Cooler Temp. 1.5°C IR50	Lab Quote #

Preservatives: (Other; Specify):

0 (None); 1 (4 Deg C); 2 (4C HCl-Na2SO3 (pH<2)); 3 (4C HNO3); 4 (4C HNO3 (pH<2)); 5 (4C none); 6 (4CH2SO4pH<2)Na2S2O3); 7 (4CNaOH(pH>12)&AsAcid; 8 (AsCACl); 9 (BrCl), 10 (DI H2O); 11 (EDTA); 12 (H2O), 13 (H2SO4 (pH<2)); 14 (H2SO4 (pH<2), 4 DegC); 15 (H3PO4); 16 (HCl); 17 (HCl (pH<2)), 18 (HCl (pH<2), 4 Deg C), 19 (HCL, 4 Deg C), 20 (HNO3 (pH<2)); 21 (HNO3 (pH<2), 4 Deg C); 22 (MCAA,Na2SO3); 23 (Methanol); 24 (Na2SO3); 25 (Na2SO4); 26 (Na3PO4); 27 (NaHSO4); 28 (NaOH); 29 (NaOH (pH>12)); 30 (NaOH (pH>12), 4 DegC); 31 (NaOH, Zn

FedEx Tracking #

L7 Rec'd 5/9/25 1000

JE11130: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: je11130 **Client:** JACOBS **Project:** HLAME: 37971-BUFFALO OUTER HARBO

Date / Time Received: 5/9/2025 10:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (1.5);

Cooler Temps (Corrected) °C: Cooler 1: (1.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

QC Evaluation: Honeywell Limits

Job Number: JE11130
Account: Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY
Collected: 05/07/25

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP63551	SW846 8270E						
OP63551-BS1	98-95-3	Nitrobenzene	BSP	REC	87	%	40-140
OP63551-BS1	4165-60-0	Nitrobenzene-d5	BSP	SURR	90	%	30-130
OP63551-BS1	321-60-8	2-Fluorobiphenyl	BSP	SURR	84	%	30-130
OP63551-BS1	1718-51-0	Terphenyl-d14	BSP	SURR	85	%	30-130
OP63551-MS	98-95-3	Nitrobenzene	MS	REC	92	%	40-140
OP63551-MS	4165-60-0	Nitrobenzene-d5	MS	SURR	93	%	30-130
OP63551-MS	321-60-8	2-Fluorobiphenyl	MS	SURR	85	%	30-130
OP63551-MS	1718-51-0	Terphenyl-d14	MS	SURR	71	%	30-130
OP63551-MSD	98-95-3	Nitrobenzene	MSD	REC	85	%	40-140
OP63551-MSD	98-95-3	Nitrobenzene	MSD	RPD	7	%	20
OP63551-MSD	4165-60-0	Nitrobenzene-d5	MSD	SURR	85	%	30-130
OP63551-MSD	321-60-8	2-Fluorobiphenyl	MSD	SURR	78	%	30-130
OP63551-MSD	1718-51-0	Terphenyl-d14	MSD	SURR	75	%	30-130
OP63551-MB1	4165-60-0	Nitrobenzene-d5	MB	SURR	51	%	30-130
OP63551-MB1	321-60-8	2-Fluorobiphenyl	MB	SURR	46	%	30-130
OP63551-MB1	1718-51-0	Terphenyl-d14	MB	SURR	54	%	30-130
JE11130-1	4165-60-0	Nitrobenzene-d5	SAMP	SURR	29	%	30-130
JE11130-1	321-60-8	2-Fluorobiphenyl	SAMP	SURR	34	%	30-130
JE11130-1	1718-51-0	Terphenyl-d14	SAMP	SURR	34	%	30-130
JE11130-2	4165-60-0	Nitrobenzene-d5	SAMP	SURR	32	%	30-130
JE11130-2	321-60-8	2-Fluorobiphenyl	SAMP	SURR	43	%	30-130
JE11130-2	1718-51-0	Terphenyl-d14	SAMP	SURR	49	%	30-130
JE11130-3	4165-60-0	Nitrobenzene-d5	SAMP	SURR	39	%	30-130
JE11130-3	321-60-8	2-Fluorobiphenyl	SAMP	SURR	38	%	30-130
JE11130-3	1718-51-0	Terphenyl-d14	SAMP	SURR	44	%	30-130
JE11130-4	4165-60-0	Nitrobenzene-d5	SAMP	SURR	51	%	30-130
JE11130-4	321-60-8	2-Fluorobiphenyl	SAMP	SURR	66	%	30-130
JE11130-4	1718-51-0	Terphenyl-d14	SAMP	SURR	43	%	30-130
JE11130-5	4165-60-0	Nitrobenzene-d5	SAMP	SURR	54	%	30-130
JE11130-5	321-60-8	2-Fluorobiphenyl	SAMP	SURR	72	%	30-130
JE11130-5	1718-51-0	Terphenyl-d14	SAMP	SURR	66	%	30-130
JE11130-6	4165-60-0	Nitrobenzene-d5	SAMP	SURR	11 [a]	%	30-130
JE11130-6	321-60-8	2-Fluorobiphenyl	SAMP	SURR	26 [a]	%	30-130
JE11130-6	1718-51-0	Terphenyl-d14	SAMP	SURR	28	%	30-130
JE11130-7	4165-60-0	Nitrobenzene-d5	SAMP	SURR	47	%	30-130
JE11130-7	321-60-8	2-Fluorobiphenyl	SAMP	SURR	62	%	30-130
JE11130-7	1718-51-0	Terphenyl-d14	SAMP	SURR	46	%	30-130

(a) Outside control limits.

* Sample used for QC is not from job JE11130

MS Semi-volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JE11130
Account: HWINJOMM Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP63551-MB1	F226032A.D	1	05/15/25	AO	05/14/25	OP63551	EF10042

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE11130-1, JE11130-2, JE11130-3, JE11130-4, JE11130-5, JE11130-6, JE11130-7

CAS No.	Compound	Result	RL	MDL	Units	Q
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	51%	28-118%
321-60-8	2-Fluorobiphenyl	46%	34-116%
1718-51-0	Terphenyl-d14	54%	10-127%

Blank Spike Summary

Job Number: JE11130
Account: HWINJOMM Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP63551-BS1	F226033A.D	1	05/15/25	AO	05/14/25	OP63551	EF10042

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE11130-1, JE11130-2, JE11130-3, JE11130-4, JE11130-5, JE11130-6, JE11130-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
98-95-3	Nitrobenzene	50	43.6	87	35-119

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	90%	28-118%
321-60-8	2-Fluorobiphenyl	84%	34-116%
1718-51-0	Terphenyl-d14	85%	10-127%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE11130
Account: HWINJOMM Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP63551-MS	F226048.D	1	05/15/25	AO	05/14/25	OP63551	EF10042
OP63551-MSD	F226049.D	1	05/15/25	AO	05/14/25	OP63551	EF10042
JE11130-3	F226050.D	1	05/15/25	AO	05/14/25	OP63551	EF10042

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE11130-1, JE11130-2, JE11130-3, JE11130-4, JE11130-5, JE11130-6, JE11130-7

CAS No.	Compound	JE11130-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
98-95-3	Nitrobenzene	ND		50	45.8	92	50	42.7	85	7	18-148/49

CAS No.	Surrogate Recoveries	MS	MSD	JE11130-3	Limits
4165-60-0	Nitrobenzene-d5	93%	85%	39%	28-118%
321-60-8	2-Fluorobiphenyl	85%	78%	38%	34-116%
1718-51-0	Terphenyl-d14	71%	75%	44%	10-127%

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JE11130
Account: HWINJOMM Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

Sample: E6P4380-DFTPP
Lab File ID: 6P520468.D
Instrument ID: GCMS6P
Injection Date: 03/31/25
Injection Time: 10:53

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	83293	38.6		Pass
68	Less than 2.0% of mass 69	1504	0.70	(1.80) [a]	Pass
69	Mass 69 relative abundance	83685	38.8		Pass
70	Less than 2.0% of mass 69	597	0.28	(0.71) [a]	Pass
127	40.0 - 60.0% of mass 198	103088	47.8		Pass
197	Less than 1.0% of mass 198	1659	0.77		Pass
198	Base peak, 100% relative abundance	215816	100.0		Pass
199	5.0 - 9.0% of mass 198	14624	6.78		Pass
275	10.0 - 30.0% of mass 198	57773	26.8		Pass
365	1.0 - 100.0% of mass 198	7253	3.36		Pass
441	Present, but less than mass 443	20806	9.64	(85.3) [b]	Pass
442	40.0 - 100.0% of mass 198	134912	62.5		Pass
443	17.0 - 23.0% of mass 442	24398	11.3	(18.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E6P4380-ICC4380	6P520471.D	03/31/25	12:41	01:48	Initial cal 50
E6P4380-IC4380	6P520472.D	03/31/25	13:05	02:12	Initial cal 1
E6P4380-IC4380	6P520473.D	03/31/25	13:24	02:31	Initial cal 2
E6P4380-IC4380	6P520474.D	03/31/25	13:44	02:51	Initial cal 5
E6P4380-IC4380	6P520475.D	03/31/25	14:04	03:11	Initial cal 10
E6P4380-IC4380	6P520476.D	03/31/25	14:24	03:31	Initial cal 25
E6P4380-IC4380	6P520477.D	03/31/25	14:44	03:51	Initial cal 80
E6P4380-IC4380	6P520478.D	03/31/25	15:04	04:11	Initial cal 100
E6P4380-IC4380	6P520479.D	03/31/25	15:24	04:31	Initial cal 1
E6P4380-IC4380	6P520480.D	03/31/25	15:43	04:50	Initial cal 2
E6P4380-IC4380	6P520481.D	03/31/25	16:03	05:10	Initial cal 5
E6P4380-IC4380	6P520482.D	03/31/25	16:23	05:30	Initial cal 10
E6P4380-IC4380	6P520483.D	03/31/25	16:43	05:50	Initial cal 25
E6P4380-IC4380	6P520484.D	03/31/25	17:03	06:10	Initial cal 50
E6P4380-IC4380	6P520485.D	03/31/25	17:23	06:30	Initial cal 80
E6P4380-IC4380	6P520486.D	03/31/25	17:43	06:50	Initial cal 100
E6P4380-ICV4380	6P520487.D	03/31/25	18:03	07:10	Initial cal verification 50
E6P4380-ICV4380	6P520488.D	03/31/25	18:22	07:29	Initial cal verification 50
E6P4380-ICV4380	6P520490.D	03/31/25	19:02	08:09	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE11130
Account: HWINJOMM Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

Sample: E6P4381-DFTPP
Lab File ID: 6P520492.D
Instrument ID: GCMS6P
Injection Date: 04/07/25
Injection Time: 09:03

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	52224	36.1		Pass
68	Less than 2.0% of mass 69	507	0.35	(0.96) [a]	Pass
69	Mass 69 relative abundance	52837	36.5		Pass
70	Less than 2.0% of mass 69	105	0.07	(0.20) [a]	Pass
127	40.0 - 60.0% of mass 198	67653	46.8		Pass
197	Less than 1.0% of mass 198	1059	0.73		Pass
198	Base peak, 100% relative abundance	144616	100.0		Pass
199	5.0 - 9.0% of mass 198	9491	6.56		Pass
275	10.0 - 30.0% of mass 198	40368	27.9		Pass
365	1.0 - 100.0% of mass 198	5345	3.70		Pass
441	Present, but less than mass 443	14828	10.3	(84.5) [b]	Pass
442	40.0 - 100.0% of mass 198	93893	64.9		Pass
443	17.0 - 23.0% of mass 442	17547	12.1	(18.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E6P4381-ICV4380	6P520493.D	04/07/25	09:23	00:20	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE11130
Account: HWINJOMM Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

Sample: EF9984-DFTPP
Lab File ID: F224686.D
Instrument ID: GCMSF
Injection Date: 03/17/25
Injection Time: 15:28

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	28295	39.0		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	31149	43.0		Pass
70	Less than 2.0% of mass 69	178	0.25	(0.57) [a]	Pass
127	40.0 - 60.0% of mass 198	36243	50.0		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	72464	100.0		Pass
199	5.0 - 9.0% of mass 198	4831	6.67		Pass
275	10.0 - 30.0% of mass 198	17768	24.5		Pass
365	1.0 - 100.0% of mass 198	1949	2.69		Pass
441	Present, but less than mass 443	6452	8.90	(76.4) [b]	Pass
442	40.0 - 100.0% of mass 198	43362	59.8		Pass
443	17.0 - 23.0% of mass 442	8443	11.7	(19.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9984-ICC9984	F224687.D	03/17/25	15:54	00:26	Initial cal 50
EF9984-IC9984	F224688.D	03/17/25	16:16	00:48	Initial cal 1
EF9984-IC9984	F224689.D	03/17/25	16:39	01:11	Initial cal 2
EF9984-IC9984	F224690.D	03/17/25	17:02	01:34	Initial cal 5
EF9984-IC9984	F224691.D	03/17/25	17:24	01:56	Initial cal 10
EF9984-IC9984	F224692.D	03/17/25	17:47	02:19	Initial cal 25
EF9984-IC9984	F224693.D	03/17/25	18:10	02:42	Initial cal 80
EF9984-IC9984	F224694.D	03/17/25	18:33	03:05	Initial cal 100
EF9984-ICV9984	F224696.D	03/17/25	19:18	03:50	Initial cal verification 50
EF9984-ICV9984	F224697.D	03/17/25	19:41	04:13	Initial cal verification 50
EF9985-ICV9984	F224699.D	03/18/25	13:35	22:07	Initial cal verification 50
EF9986-CC9984	F224702.D	03/18/25	16:27	24:59	Continuing cal 50

Instrument Performance Check (DFTPP)

Job Number: JE11130
Account: HWINJOMM Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

Sample: EF9987-DFTPP
Lab File ID: F224728.D
Instrument ID: GCMSF
Injection Date: 03/19/25
Injection Time: 10:43

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	32002	38.8		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	35261	42.7		Pass
70	Less than 2.0% of mass 69	165	0.20	(0.47) [a]	Pass
127	40.0 - 60.0% of mass 198	40181	48.7		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	82514	100.0		Pass
199	5.0 - 9.0% of mass 198	5427	6.58		Pass
275	10.0 - 30.0% of mass 198	20567	24.9		Pass
365	1.0 - 100.0% of mass 198	2261	2.74		Pass
441	Present, but less than mass 443	8110	9.83	(77.8) [b]	Pass
442	40.0 - 100.0% of mass 198	51954	63.0		Pass
443	17.0 - 23.0% of mass 442	10419	12.6	(20.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9987-ICC9987	F224729.D	03/19/25	10:55	00:12	Initial cal 50
EF9987-IC9987	F224730.D	03/19/25	11:18	00:35	Initial cal 1
EF9987-IC9987	F224731.D	03/19/25	11:40	00:57	Initial cal 2
EF9987-IC9987	F224732.D	03/19/25	12:03	01:20	Initial cal 5
EF9987-IC9987	F224733.D	03/19/25	12:26	01:43	Initial cal 10
EF9987-IC9987	F224734.D	03/19/25	12:49	02:06	Initial cal 25
EF9987-IC9987	F224735.D	03/19/25	13:11	02:28	Initial cal 80
EF9987-IC9987	F224736.D	03/19/25	13:34	02:51	Initial cal 100
EF9987-ICV9987	F224737.D	03/19/25	13:57	03:14	Initial cal verification 50
EF9987-IC9987	F224738.D	03/19/25	14:19	03:36	Initial cal 1
EF9987-IC9987	F224739.D	03/19/25	14:42	03:59	Initial cal 2
EF9987-IC9987	F224740.D	03/19/25	15:05	04:22	Initial cal 5
EF9987-IC9987	F224741.D	03/19/25	15:28	04:45	Initial cal 10
EF9987-IC9987	F224742.D	03/19/25	15:50	05:07	Initial cal 25
EF9987-IC9987	F224743.D	03/19/25	16:13	05:30	Initial cal 50
EF9987-IC9987	F224744.D	03/19/25	16:36	05:53	Initial cal 80
EF9987-IC9987	F224745.D	03/19/25	16:58	06:15	Initial cal 100
EF9987-ICV9987	F224746.D	03/19/25	17:21	06:38	Initial cal verification 50
EF9987-ICV9987	F224747.D	03/19/25	17:44	07:01	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE11130
Account: HWINJOMM Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

Sample: EF10042-DFTPP
Lab File ID: F226024.D
Instrument ID: GCMSF
Injection Date: 05/15/25
Injection Time: 09:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	41069	38.0		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	43984	40.7		Pass
70	Less than 2.0% of mass 69	217	0.20	(0.49) [a]	Pass
127	40.0 - 60.0% of mass 198	51504	47.7		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	108003	100.0		Pass
199	5.0 - 9.0% of mass 198	7415	6.87		Pass
275	10.0 - 30.0% of mass 198	28848	26.7		Pass
365	1.0 - 100.0% of mass 198	3308	3.06		Pass
441	Present, but less than mass 443	11459	10.6	(82.0) [b]	Pass
442	40.0 - 100.0% of mass 198	72824	67.4		Pass
443	17.0 - 23.0% of mass 442	13980	12.9	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF10042-CC9984	F226025.D	05/15/25	09:24	00:11	Continuing cal 50
EF10042-CC9987	F226026.D	05/15/25	09:46	00:33	Continuing cal 50
EF10042-CC9984	F226027.D	05/15/25	10:09	00:56	Continuing cal 5
OP63553-MB1	F226029A.D	05/15/25	11:11	01:58	Method Blank
OP63553B-MB1	F226029.D	05/15/25	11:11	01:58	Method Blank
OP63553-BS1	F226030A.D	05/15/25	11:34	02:21	Blank Spike
OP63553B-BS1	F226030.D	05/15/25	11:34	02:21	Blank Spike
OP63553B-BSD	F226031.D	05/15/25	11:57	02:44	Blank Spike Duplicate
OP63551-MB1	F226032A.D	05/15/25	12:20	03:07	Method Blank
OP63551B-MB1	F226032.D	05/15/25	12:20	03:07	Method Blank
OP63551-BS1	F226033A.D	05/15/25	12:43	03:30	Blank Spike
OP63551B-BS1	F226033.D	05/15/25	12:43	03:30	Blank Spike
ZZZZZZ	F226034.D	05/15/25	13:05	03:52	(unrelated sample)
ZZZZZZ	F226035.D	05/15/25	13:28	04:15	(unrelated sample)
ZZZZZZ	F226036.D	05/15/25	13:51	04:38	(unrelated sample)
ZZZZZZ	F226037.D	05/15/25	14:14	05:01	(unrelated sample)
ZZZZZZ	F226038.D	05/15/25	14:36	05:23	(unrelated sample)
ZZZZZZ	F226039.D	05/15/25	14:59	05:46	(unrelated sample)
ZZZZZZ	F226040.D	05/15/25	15:22	06:09	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JE11130
Account: HWINJOMM Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

Sample:	EF10042-DFTPP	**Injection Date:**	05/15/25
Lab File ID:	F226024.D	**Injection Time:**	09:13
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	F226041.D	05/15/25	15:44	06:31	(unrelated sample)
ZZZZZZ	F226042.D	05/15/25	16:07	06:54	(unrelated sample)
ZZZZZZ	F226043.D	05/15/25	16:30	07:17	(unrelated sample)
ZZZZZZ	F226044.D	05/15/25	16:53	07:40	(unrelated sample)
ZZZZZZ	F226045.D	05/15/25	17:16	08:03	(unrelated sample)
ZZZZZZ	F226046.D	05/15/25	17:39	08:26	(unrelated sample)
OP63551-MS	F226048.D	05/15/25	18:24	09:11	Matrix Spike
OP63551-MSD	F226049.D	05/15/25	18:47	09:34	Matrix Spike Duplicate
JE11130-3	F226050.D	05/15/25	19:10	09:57	GW-20-050725
OP63553-MS	F226051.D	05/15/25	19:33	10:20	Matrix Spike
OP63553-MSD	F226052.D	05/15/25	19:56	10:43	Matrix Spike Duplicate
JE11104-5	F226053.D	05/15/25	20:18	11:05	(used for QC only; not part of job JE11130)

Instrument Performance Check (DFTPP)

Job Number: JE11130
Account: HWINJOMM Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

Sample: EF10048-DFTPP
Lab File ID: F226139.D
Instrument ID: GCMSF
Injection Date: 05/21/25
Injection Time: 08:39

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	13132	38.5		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	14168	41.6		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	16217	47.6		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	34096	100.0		Pass
199	5.0 - 9.0% of mass 198	2440	7.16		Pass
275	10.0 - 30.0% of mass 198	9598	28.1		Pass
365	1.0 - 100.0% of mass 198	984	2.89		Pass
441	Present, but less than mass 443	3414	10.0	(81.2) [b]	Pass
442	40.0 - 100.0% of mass 198	22377	65.6		Pass
443	17.0 - 23.0% of mass 442	4203	12.3	(18.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF10048-CC9984	F226140.D	05/21/25	08:49	00:10	Continuing cal 50
EF10048-CC9987	F226141.D	05/21/25	09:12	00:33	Continuing cal 50
EF10048-CC9987	F226142.D	05/21/25	09:35	00:56	Continuing cal 50
EF10048-CC9987	F226143.D	05/21/25	09:57	01:18	Continuing cal 5
OP63716-MB1	F226147.D	05/21/25	10:57	02:18	Method Blank
OP63716-LB23	F226148.D	05/21/25	11:19	02:40	Leachate Blank
OP63716-BS1	F226149.D	05/21/25	11:42	03:03	Blank Spike
OP63716-BSD	F226150.D	05/21/25	12:05	03:26	Blank Spike Duplicate
OP63709-MB1	F226151.D	05/21/25	12:27	03:48	Method Blank
OP63709-BS1	F226152.D	05/21/25	12:50	04:11	Blank Spike
OP63709-BSD	F226153.D	05/21/25	13:13	04:34	Blank Spike Duplicate
ZZZZZZ	F226154.D	05/21/25	13:36	04:57	(unrelated sample)
ZZZZZZ	F226155.D	05/21/25	13:58	05:19	(unrelated sample)
JE11130-6	F226156.D	05/21/25	14:21	05:42	GW-22-050725
ZZZZZZ	F226157.D	05/21/25	14:44	06:05	(unrelated sample)
ZZZZZZ	F226158.D	05/21/25	15:06	06:27	(unrelated sample)
ZZZZZZ	F226159.D	05/21/25	15:29	06:50	(unrelated sample)
ZZZZZZ	F226160.D	05/21/25	15:52	07:13	(unrelated sample)
ZZZZZZ	F226161.D	05/21/25	16:14	07:35	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JE11130
Account: HWINJOMM Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

Sample:	EF10048-DFTPP	**Injection Date:**	05/21/25
Lab File ID:	F226139.D	**Injection Time:**	08:39
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	F226162.D	05/21/25	16:37	07:58	(unrelated sample)
ZZZZZZ	F226163.D	05/21/25	16:59	08:20	(unrelated sample)
ZZZZZZ	F226164.D	05/21/25	17:22	08:43	(unrelated sample)
ZZZZZZ	F226165.D	05/21/25	17:45	09:06	(unrelated sample)

Surrogate Recovery Summary

Job Number: JE11130
Account: HWINJOMM Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

Method: SW846 8270E **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
JE11130-1	6P521045.D	29	34	34
JE11130-2	6P521046.D	32	43	49
JE11130-3	F226050.D	39	38	44
JE11130-4	6P521047.D	51	66	43
JE11130-5	6P521048.D	54	72	66
JE11130-6	F226156.D	77	73	78
JE11130-6	6P521049.D	11* [a]	26* [a]	28
JE11130-7	6P521050.D	47	62	46
OP63551-BS1	F226033A.D	90	84	85
OP63551-MB1	F226032A.D	51	46	54
OP63551-MS	F226048.D	93	85	71
OP63551-MSD	F226049.D	85	78	75

Surrogate Compounds	Recovery Limits
S1 = Nitrobenzene-d5	28-118%
S2 = 2-Fluorobiphenyl	34-116%
S3 = Terphenyl-d14	10-127%

(a) Outside control limits.

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54443 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/13/25

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.013	.095	0.030	<0.20

Associated samples MP54443: JE11130-1, JE11130-2, JE11130-3, JE11130-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54443
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/13/25

Metal	JE11130-3 Original	MS	Spikelot HGPW3	% Rec	QC Limits
Mercury	0.021	2.0	2	99.0	75-125

Associated samples MP54443: JE11130-1, JE11130-2, JE11130-3, JE11130-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54443 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/13/25

Metal	JE11130-3 Original	MSD	Spikelot HGPW3	% Rec	MSD RPD	QC Limit
Mercury	0.021	2.0	2	99.0	0.0	20

Associated samples MP54443: JE11130-1, JE11130-2, JE11130-3, JE11130-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54443 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/13/25

Metal	BSP Result	Spikelot HGPW3	% Rec	QC Limits
Mercury	2.1	2	105.0	80-120

Associated samples MP54443: JE11130-1, JE11130-2, JE11130-3, JE11130-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54453
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 05/14/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	27	150	-13	<200
Antimony	6.0	2.2	4.7	0.60	<6.0
Arsenic	3.0	1.3	2.8	0.20	<3.0
Barium	200	1	13	-0.20	<200
Beryllium	1.0	.2	.5	0.0	<1.0
Bismuth	20	2.1	8.6		
Boron	100	1	10		
Cadmium	3.0	.2	1	-0.20	<3.0
Calcium	5000	7.7	99	-1.6	<5000
Cerium	100				
Chromium	10	.5	2	0.10	<10
Cobalt	50	.4	2.6	0.0	<50
Copper	10	6.8	5.9	0.30	<10
Iron	100	15	32	10.3	<100
Lead	3.0	1.6	1.8	-0.50	<3.0
Lithium	50	3.7	7.3		
Magnesium	5000	54	140	-0.30	<5000
Manganese	15	.1	1.4	0.20	<15
Molybdenum	20	.5	3.6		
Nickel	10	.3	1.7	0.20	<10
Phosphorus	50	1.8	18		
Potassium	10000	77	200	-26	<10000
Selenium	10	2	4.9	0.50	<10
Silicon	200	1.3	32		
Silver	10	.9	6.1	0.20	<10
Sodium	10000	23	570	73.4	<10000
Strontium	10	.4	2.7		
Sulfur	50	4.1	45		
Thallium	10	1.6	1.8	-1.1	<10
Tin	10	.9	3.7		
Titanium	10	.9	2.5		
Tungsten	50	2	40		
Vanadium	50	.8	1.8	0.30	<50

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54453 Methods: SW846 6010D
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/14/25

Metal	RL	IDL	MDL	MB raw	final
Zinc	20	.2	6.9	1.1	<20
Zirconium	10	.5	4.1		

Associated samples MP54453: JE11130-1, JE11130-2, JE11130-3, JE11130-4, JE11130-5, JE11130-6, JE11130-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54453
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 05/14/25

Metal	JE11130-3 Original	MS	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	95.5	25300	25000	100.9	75-125
Antimony	7.5	2090	2000	103.9	75-125
Arsenic	0.0	2090	2000	104.5	75-125
Barium	45.2	2070	2000	101.4	75-125
Beryllium	0.0	2090	2000	104.5	75-125
Bismuth					
Boron					
Cadmium	1.0	2050	2000	102.4	75-125
Calcium	157000	180000	25000	124.0	75-125
Cerium					
Chromium	0.0	2010	2000	100.5	75-125
Cobalt	1.0	2040	2000	101.8	75-125
Copper	0.0	2030	2000	101.5	75-125
Iron	240	25800	25000	102.3	75-125
Lead	5.7	2040	2000	101.6	75-125
Lithium					
Magnesium	32700	57200	25000	105.2	75-125
Manganese	42.4	2070	2000	101.6	75-125
Molybdenum					
Nickel	2.5	2020	2000	100.8	75-125
Phosphorus					
Potassium	34800	60200	25000	110.0	75-125
Selenium	11.7	2100	2000	104.2	75-125
Silicon					
Silver	0.0	250	250	100.0	75-125
Sodium	13900	39100	25000	104.0	75-125
Strontium					
Sulfur					
Thallium	0.0	2070	2000	103.5	75-125
Tin					
Titanium					
Tungsten					
Vanadium	2.8	2020	2000	100.9	75-125

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54453
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 05/14/25

Metal	JE11130-3 Original	MS	Spikelot MPSPK2	% Rec	QC Limits
Zinc	19.8	2050	2000	101.6	75-125
Zirconium					

Associated samples MP54453: JE11130-1, JE11130-2, JE11130-3, JE11130-4, JE11130-5, JE11130-6, JE11130-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54453
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 05/14/25

Metal	JE11130-3 Original	MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Aluminum	95.5	25200	25000	100.5	9.1	20
Antimony	7.5	2080	2000	103.4	9.6	20
Arsenic	0.0	2080	2000	104.0	9.6	20
Barium	45.2	2070	2000	101.4	9.1	20
Beryllium	0.0	2090	2000	104.5	8.5	20
Bismuth						
Boron						
Cadmium	1.0	2060	2000	102.9	10.7	20
Calcium	157000	182000	25000	132.0(a)	8.0	20
Cerium						
Chromium	0.0	2010	2000	100.5	9.4	20
Cobalt	1.0	2040	2000	101.8	8.7	20
Copper	0.0	2030	2000	101.5	9.8	20
Iron	240	25600	25000	101.5	7.3	20
Lead	5.7	2030	2000	101.1	7.7	20
Lithium						
Magnesium	32700	57400	25000	106.0	8.3	20
Manganese	42.4	2090	2000	102.6	10.1	20
Molybdenum						
Nickel	2.5	2020	2000	100.8	8.8	20
Phosphorus						
Potassium	34800	60400	25000	110.8	9.0	20
Selenium	11.7	2100	2000	104.2	10.0	20
Silicon						
Silver	0.0	250	250	100.0	10.5	20
Sodium	13900	39100	25000	104.0	8.0	20
Strontium						
Sulfur						
Thallium	0.0	2070	2000	103.5	6.5	20
Tin						
Titanium						
Tungsten						
Vanadium	2.8	2030	2000	101.4	10.4	20

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54453 Methods: SW846 6010D
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/14/25

Metal	JE11130-3 Original	MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Zinc	19.8	2050	2000	101.6	8.1	20
Zirconium						

Associated samples MP54453: JE11130-1, JE11130-2, JE11130-3, JE11130-4, JE11130-5, JE11130-6, JE11130-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54453
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 05/14/25

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	23700	25000	94.8	80-120
Antimony	1890	2000	94.5	80-120
Arsenic	1880	2000	94.0	80-120
Barium	1900	2000	95.0	80-120
Beryllium	1990	2000	99.5	80-120
Bismuth				
Boron				
Cadmium	1870	2000	93.5	80-120
Calcium	24300	25000	97.2	80-120
Cerium				
Chromium	1910	2000	95.5	80-120
Cobalt	1910	2000	95.5	80-120
Copper	1930	2000	96.5	80-120
Iron	24200	25000	96.8	80-120
Lead	1910	2000	95.5	80-120
Lithium				
Magnesium	24000	25000	96.0	80-120
Manganese	1920	2000	96.0	80-120
Molybdenum				
Nickel	1890	2000	94.5	80-120
Phosphorus				
Potassium	23900	25000	95.6	80-120
Selenium	1890	2000	94.5	80-120
Silicon				
Silver	234	250	93.6	80-120
Sodium	24100	25000	96.4	80-120
Strontium				
Sulfur				
Thallium	1980	2000	99.0	80-120
Tin				
Titanium				
Tungsten				
Vanadium	1900	2000	95.0	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54453
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 05/14/25

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Zinc	1900	2000	95.0	80-120
Zirconium				

Associated samples MP54453: JE11130-1, JE11130-2, JE11130-3, JE11130-4, JE11130-5, JE11130-6, JE11130-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54453
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date:			05/14/25				05/14/25	
Metal	JE11130-3 Original	SDL 1:5	%DIF	QC Limits	JE11104-5 Original	SDL 1:5	%DIF	QC Limits
Aluminum	95.5	0.00	100.0(a)	0-10	0.00	0.00	NC	0-10
Antimony	7.50	21.5	90.3 (a)	0-10	7.40	0.00	100.0(a)	0-10
Arsenic	0.00	0.00	NC	0-10	1.70	0.00	100.0(a)	0-10
Barium	45.2	42.6	1.2	0-10	107	103	3.5	0-10
Beryllium	0.00	0.00	NC	0-10	0.00	0.00	NC	0-10
Bismuth								
Boron								
Cadmium	1.00	3.10	40.9 (a)	0-10	1.00	1.60	60.0 (a)	0-10
Calcium	157000	158000	5.8	0-10	82400	82100	0.4	0-10
Cerium								
Chromium	0.00	0.00	NC	0-10	0.00	0.00	NC	0-10
Cobalt	1.00	7.80	105.3(a)	0-10	2.80	5.40	92.9 (a)	0-10
Copper	0.00	0.00	NC	0-10	0.00	0.00	NC	0-10
Iron	240	240	3.5	0-10	203	199	1.9	0-10
Lead	5.70	8.30	1.2	0-10	3.70	0.00	100.0(a)	0-10
Lithium								
Magnesium	32700	33400	8.2	0-10	18500	18600	0.3	0-10
Manganese	42.4	42.6	9.8	0-10	493	480	2.7	0-10
Molybdenum								
Nickel	2.50	5.60	47.4 (a)	0-10	2.60	3.90	50.0 (a)	0-10
Phosphorus								
Potassium	34800	34600	5.8	0-10	7380	7440	0.8	0-10
Selenium	11.7	10.2	36.6 (a)	0-10	4.60	0.00	100.0(a)	0-10
Silicon								
Silver	0.00	0.00	NC	0-10	0.00	0.00	NC	0-10
Sodium	13900	14100	7.7	0-10	355000	365000	2.8	0-10
Strontium								
Sulfur								
Thallium	0.00	0.00	NC	0-10	0.00	0.00	NC	0-10
Tin								
Titanium								
Tungsten								
Vanadium	2.80	0.00	100.0(a)	0-10	0.00	0.00	NC	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54453 Methods: SW846 6010D
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/14/25 05/14/25

Metal	JE11130-3 Original	SDL 1:5	%DIF	QC Limits	JE11104-5 Original	SDL 1:5	%DIF	QC Limits
Zinc	19.8	23.2	27.5 (a)	0-10	3.30	3.90	18.2 (a)	0-10
Zirconium								

Associated samples MP54453: JE11130-1, JE11130-2, JE11130-3, JE11130-4, JE11130-5, JE11130-6, JE11130-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54453
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 05/14/25

Metal	Sample ml	Final ml	JE11104-5 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium	19.25	20	107	102.9875	2013	0.2	200	2000	95.5	80-120
Beryllium										
Bismuth										
Boron										
Cadmium										
Calcium										
Cerium										
Chromium										
Cobalt										
Copper										
Iron										
Lead										
Lithium										
Magnesium	19.25	20	18520	17825.5	42940	0.1	5000	25000	100.5	80-120
Manganese	19.25	20	493.3	474.8013	2413	0.2	200	2000	96.9	80-120
Molybdenum										
Nickel										
Phosphorus										
Potassium	19.25	20	7379	7102.288	32440	0.1	5000	25000	101.4	80-120
Selenium										
Silicon										
Silver										
Sodium										
Strontium										
Sulfur										
Thallium										
Tin										
Titanium										
Tungsten										
Vanadium										

POST DIGESTATE SPIKE SUMMARY

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54453 Methods: SW846 6010D
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/14/25

Metal	Sample ml	Final ml	JE11104-5 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Zinc										
Zirconium										

Associated samples MP54453: JE11130-1, JE11130-2, JE11130-3, JE11130-4, JE11130-5, JE11130-6, JE11130-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54467 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/14/25

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.013	.095	0.061	<0.20

Associated samples MP54467: JE11130-6, JE11130-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54467
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/14/25

Metal	JE11142-21 Original	MS	Spikelot HGPW3	% Rec	QC Limits
Mercury	0.0	2.1	2	105.0	75-125

Associated samples MP54467: JE11130-6, JE11130-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54467 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/14/25

Metal	JE11142-21 Original	MSD	Spikelot HGPW3	% Rec	MSD RPD	QC Limit
Mercury	0.0	2.1	2	105.0	0.0	20

Associated samples MP54467: JE11130-6, JE11130-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54467
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/14/25

Metal	BSP Result	Spikelot HGPW3	% Rec	QC Limits
Mercury	2.2	2	110.0	80-120

Associated samples MP54467: JE11130-6, JE11130-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54587 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/20/25

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.04	.095	0.061	<0.20

Associated samples MP54587: JE11130-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54587
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/20/25

Metal	JE11599-7F Original	MS	Spikelot HGPW3	% Rec	QC Limits
Mercury	0.0	1.9	2	95.0	75-125

Associated samples MP54587: JE11130-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54587 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/20/25

Metal	JE11599-7F Original	MSD	Spikelot HGPW3	% Rec	MSD RPD	QC Limit
Mercury	0.0	2.0	2	100.0	5.1	20

Associated samples MP54587: JE11130-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE11130
Account: HWINJOMM - Honeywell International Inc. OMM work
Project: HLAME: R37971-Buffalo Outer Harbor, 901 Fuhrmann Boulevard, Buffalo, NY

QC Batch ID: MP54587
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/20/25

Metal	BSP Result	Spikelot HGPW3	% Rec	QC Limits
Mercury	2.1	2	105.0	80-120

Associated samples MP54587: JE11130-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

ATTACHMENT B.6 FIELD DATA COLLECTION RECORDS

1/3

Location Outer Harbor Date 5/7/25

Project / Client TriAnnual Sampling

Calibration Failed.

		Rental
4.0 ph	3.99	4.0
4.49 ms/cm	4.47	4.28
~~0 NTU~~	33 NTU	0.0
0 NTU		

	DTW	DTB	3x Vol
MW-20	10.25	18.7	4.14
19	6.3	19	6.21
23	6.1	22.1	7.83
22	3.8	21.2	8.52 gal
18R	7.0	20.7	6.72
21	5.4	19.25	6.78

Ordered Rental Horiba from PINE.

Note: A replacement water quality meter was obtained and confirmed to be properly calibrated prior to sampling.

2/3

Location Outer Harbor Date 5/7/25

Project / Client TriAnnual Sampling

1030 Bailed 9 gallons out of 8.5g for MW-22. MW-22 still at 5.1 DTW. clear water.

1050 Bailed 7 gal from 18R. water orange-ish.

1100 MW-23 went dry at ~4 gal. will let rest. Water became black with odor.

1115 MW-19 went dry at 6 gallons will let rest. Water is clear.
* Completed at 1330, 6.5 gal.

1125 MW-21 bailed 7 gal out of 6.78 clear water, slight odor.

1240 Purged 4.5 gal from MW-20 MW-20 casing bent.

1400	MW-18R	sampled	0.0 NTU
1415	MW-22	Sampled.	0.0 NTU
1425	MW-23	Sampled	0.0 NTU
1500	MW-19	Sampled	0.0 NTU
1510	MW-21	Sampled	0.0 NTU

108 3/3

Location Outer Harbor Date 5/7/25

Project / Client TriAnnual Sampling

1540

~~1530~~ DK	Sampled	GW-20
~~1535~~ DK	Sampled	GW-20 MS
~~1540~~ DK	Sampled	GW-20 MSD
~~1545~~ DK ✓	Sampled	GW-20 FD

1645 ~~DK~~ Jacobs secures equipment and triple counts samples. Jacobs informs PM & leaves site.

2000 Jacobs secures ~~equipment~~ DK samples in sample fridge

DK

5/8/25 Samples dropped off @ FedEx

Ref: PREM-LD-042825-2 Date: 28Apr25
Wgt: 15.00 LBS
Dep:
DV: 0.00

SHIPPING:	0.00
SPECIAL:	0.00
HANDLING:	0.00
TOTAL:	0.00

Svcs: PRIORITY OVERNIGHT
TRCK: 4392 3975 5079

Ref: PREM-LD-042825-2 Date: 28Apr25
Wgt: 14.00 LBS
Dep:
DV: 0.00

SHIPPING:	0.00
SPECIAL:	0.00
HANDLING:	0.00
TOTAL:	0.00

Svcs: PRIORITY OVERNIGHT Master 4392 3975 5035
TRCK: 4392 3975 5035

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
85 North Pointe Pkwy,
Buffalo, NY 14228, USA

Pine Environmental Services, Inc.

Instrument ID 43602
Description Horiba U-52
Calibrated 5/1/2025 4:20:34PM

Manufacturer Horiba
Model Number U-5000
Serial Number/ Lot Number SD28N0G6
Location Buffalo
Department

State Certified
Status Pass
Temp °C 20
Humidity % 30

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.40	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	4.15	4.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	40.20	0.00	0.00%	Pass
800.00 / 800.00	NTU	800.00	NTU	761.00	800.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.718 / 0.718	ms/cm	0.718	ms/cm	0.842	0.718	0.00%	Pass
5.000 / 5.000	ms/cm	5.000	ms/cm	4.600	5.000	0.00%	Pass
80.000 / 80.000	ms/cm	80.000	ms/cm	76.600	80.000	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	243.00	240.00	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Zero
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
85 North Pointe Pkwy,
Buffalo, NY 14228, USA

Pine Environmental Services, Inc.

Instrument ID 43602
Description Horiba U-52
Calibrated 5/1/2025 4:20:34PM

Group # 5
Group Name Disolved Oxygen Zero
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	mg/L	0.00	mg/L	0.00	0.00	0.00%	Pass

Group # 6
Group Name Temperature DO Span
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
22.20 / 22.20	degrees C	8.50	mg/L	8.00	8.50	0.00%	Pass

Test Instruments Used During the Calibration

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	(As Of Cal Entry Date) Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
BUF .718 CON LOT 4GF0989	BUF .718 CON LOT 4GF0989	AquaPhoenix Scientific	32088	4GF0989		6/30/2025
BUF 240 ORP LOT 5GA0447	BUF 240 ORP LOT 5GA0447	AquaPhoenix Scientific	32001			10/31/2025
BUF 80 CON LOT 4GH0182	BUF 80 CON LOT 4GH0182	Pine	32060	4gh0182		8/31/2025
BUF AUTOCAL/0NTU LOT 4GK1100	BUF AUTOCAL/0NTU LOT 4GK1100	AquaPhoenix Scientific	41188	4GK1100		11/30/2025
BUF CON 5 LOT 4GH0180	BUF CON 5 LOT 4GH0180	AquaPhoenix Scientific	31997	4GH0180		8/31/2025
BUF PH4 LOT 4GG1238	BUF PH4 LOT 4GG1238	AquaPhoenix Scientific	32017	4GG1238		7/31/2026
BUF PH7 LOT 4GK1565	BUF PH7 LOT 4GK1565	AquaPhoenix Scientific	32025	4GK1565		11/30/2026
BUF TURBIDITY 800 LOT 4GE1565	BUF TURBIDITY 800 LOT 4GE1565	Pine Environmental Services, Inc.	4GE1565	33039		5/31/2025

Notes about this calibration

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
85 North Pointe Pkwy.
Buffalo, NY 14228, USA

Pine Environmental Services, Inc.

Instrument ID 43602
Description Horiba U-52
Calibrated 5/1/2025 4:20:34PM

Calibration Result Calibration Successful
Who Calibrated Joseph Catuzza

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment

Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
85 North Pointe Pkwy.
Buffalo, NY 14228, USA

Pine Environmental Services, Inc.

Instrument ID 215812
Description Horiba U-50 Display
Calibrated 5/1/2025 4:17:55PM

Manufacturer Horiba
Model Number U-5000
Serial Number/ Lot Number R3TXBVUC
Location Buffalo
Department

State Certified
Status Pass
Temp °C 20
Humidity % 30

Calibration Specifications

Group # 1
Group Name Display
Test Performed: N/A **As Found Result:** **As Left Result:**

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Joseph Catuzza

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

SGS Laboratories
2235 Route 130
Dayton, NJ 08810
(p) 732-329-0200

Honeywell

Chain of Custody / Analysis Request

Save with QC Check: Gray Cells Required | More Columns | Print Short COC | Print Expanded COC

AESI Ref:	45785.42175
COC#	OH-050725
	Page 1 of 1

Sampling Co.:	Jacobs	Email of person receiving EDD	ryan.belcher@wsp.com
Pricing Source (RFP, eAuction, etc)			

HW Site Name	HI AME: 37971 - Buffalo Outer Harbor	
Location of Site	301 Fuhrmann Boulevard, Buffalo NY	
Task Type	OM&M	
WBS Code	6400	

Lab Proj # (SOG):	
Lab Location ID	ACTD
HW Site R-Code	R37971
Sampling Program	Triannual
Authorized User:	Honeywell
Lab Parent ID	SGS

Create Excel Output

Copyright AESI. Version PDFV2.1 (2-3-23) Unauthorized use strictly prohibited.

Reporting Information (Alliance Firm Contact)	Name	Mike Fay Jacobs	Sampler(s) names	Dorian Kessler
	Address	1563 Willis Ave	PO #-WBS	A002028832
	City, State, Zip	Syracuse NY, 13204	Analysis Turnaround Time (calendar days):	STANDARD
	Contact; email	michael.fay@jacobs.com	Consultant	Jacobs
Billing Information (DocuSign Second Signer)	Co. Name	Honeywell	Laboratory Contact	Louie DeVletter
	Address	301 Plainfield Road, Suite 330	Report Tier Level	2
	City, State, Zip	Syracuse, New York 13212	Full Report and EDD TAT (calendar days)	STANDARD
	HW RM email	Sasa.Jazic@Honeywell.com	Honeywell RM Name	Sasa Jazic

More Rows

Sample Identification

Method Analytical Group / Preservative: 6010B, 7470A - MTAL [Total] (4); 6010B, 7470A - MTAL [DISS] ** (4); 8270NBNZ - Nitrobenzene *** (1)

	Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID	Sample Date	Sample Time	Sample Type	Sample Matrix	Sample Medium	# of Cont.	Composite (Y, N)	Field Filtered Sample (Y, N)	6010B, 7470A - MTAL [Total]	6010B, 7470A - MTAL [DISS] **	8270NBNZ - Nitrobenzene ***	Sampling Method (rt_sample_method)	Lab Sample Numbers
1	GW-18R	---	---	GW-18R-050725	5/7/2025	1400	REG	GW	WATER	3	N	N	1		2		
2	GW-19	---	---	GW-19-050725	5/7/2025	1500	REG	GW	WATER	3	N	N	1		2		
3	GW-20	---	---	GW-20-050725	5/7/2025	1540	REG	GW	WATER	3	N	N	1		2		
4	GW-20	---	---	GW-20-MS-050725	5/7/2025	1540	MS	WQ	WATER	3	N	N	1		2		
5	GW-20	---	---	GW-20-MSD-050725	5/7/2025	1540	MSD	WQ	WATER	3	N	N	1		2		
6	GW-20	---	---	GW-20-FD-050725	5/7/2025	1540	FD	WQ	WATER	3	N	N	1		2		
7	GW-21	---	---	GW-21-050725	5/7/2025	1510	REG	GW	WATER	3	N	N	1		2		
8	GW-22	---	---	GW-22-050725	5/7/2025	1415	REG	GW	WATER	3	N	N	1		2		
9	GW-23	---	---	GW-23-050725	5/7/2025	1425	REG	GW	WATER	3	N	N	1		2		
10																	
11																	
12																	

NOTES: ***Nitrobenzene MDL must be less than 0.4 ppb;
Final volume of extract to be 0.5 mL for target reporting/detection limits. Save all extracts

Relinquished by	Company	Jacobs	Received by	Company	Jacobs	Condition	Good	Custody Seals Intact	
Dorian Kessler	Date/Time	5/7/25 20:00	Jacobs Fridge	Date/Time	5/7/25 20:00	Cooler Temp.			
Relinquished by	Company	Jacobs	Received by	Company		Condition		Custody Seals Intact	
Dorian Kessler	Date/Time	5/8/25	FEDEX	Date/Time	5/8/25 14:00	Cooler Temp.		Lab Quote #	

Preservatives: (Other; Specify):

0 (None); 1 (4 Deg C); 2 (4C HCl-Na2SO3 (pH<2)); 3 (4C HNO3); 4 (4C HNO3 (pH<2)); 5 (4C none) 6 (4CH2SO4pH<2)Na2S2O3); 7 (4CNaOH(pH>12)&AscAcl); 8 (ASCACl); 9 (BrCl); 10 (DI H2O); 11 (EDTA); 12 (H2O); 13 (H2SO4 (pH<2)); 14 (H2SO4 (pH<2), 4 DegC), 15 (H3PO4); 16 (HCl); 17 (HCl (pH<2)); 18 (HCl (pH<2), 4 Deg C); 19 (HCL, 4 Deg C); 20 (HNO3 (pH<2)); 21 (HNO3 (pH<2), 4 Deg C), 22 (MCAA,Na2SO3), 23 (Methanol); 24 (Na2SO3), 25 (Na2SO4); 26 (Na3PO4), 27 (NaHSO4); 28 (NaOH), 29 (NaOH (pH>12)), 30 (NaOH (pH>12), 4 DegC); 31 (NaOH, Zn Acetate), 32 (Nitric Acid, 4 Deg C); 33 (Other), 34 (Zn Acetate); sp (Special).

FedEx Tracking #

Jacobs

Well Sampling Form

Project Name: Outer Harbor
Location:
Sampling Event: Tri Annual
Job #:

Date: 5/7/25
Field Team: DLS
Field Conditions: Cloudy 56°F

Well / Sample #: MW-20
Initial DTW: 10.25
Purge Method (circle): Submersible / Peristaltic / Ded. Pump / Other: Bailer
Sample Method: Grab
Sample ID: GW-20 050725
Dup. Sample ID: GW-20-FD-050725
QC Sample ID: GW-20-MS-050725 / GW-20-MSD-050725
Depth to Bottom (from meas. pt., ft.): 18.7

Start Time: 1230
End Time: 1240
Measure Point (circle): PVC / Steel / Other:
Sample Time: ~~1540~~ 1540
Dup. Time: ~~1545~~ 1540
QC Time: ~~1540~~ 1540
Min. Purge Vol (gal or L): 4.14
Purge Rate (gpm or mLpm):

WQ Parameter Measurement Technique (circle): Flow-thru cell / In-situ / Open container

Time	Volume Purged gal / L	pH SU (+/- 0.1)	Conductivity mS/cm (+/- 3%)	Turbidity NTU (+/- 10% if > 10 NTU)	DO mg/L (+/- 10%)	Temperature °C (+/- 3%)	Eh / ORP mv (+/- 10 mV)	DTW ft.
1230	1	6.92	1.12	0.0	6.97	13.73	182	11.4
1235	3	7.61	1.06	0.0	10.39	12.7	-54	11.5
1240	4	7.72	1.01	0.0	3.61	11.31	-97	
~~1540~~	—	9.04	1.02	0.0	17.01	11.57	-76	—
1540								

*

Sample Collection Information

Parameter	Bottle Type	Volume	Quantity	Preservative	Field Filtered(Y/N)	Sample Taken(Y/N)	Notes
Metals	Plastic	500mL	~~4~~ 4	Nitric	N	Y	
SVOC	Amber	1L	~~8~~ 8	—	N	Y	

Notes

Well Casing (PVC) at top 4 ft is bent. Bailer can be pushed through but requires effort.

Jacobs

Well Sampling Form

Project Name: Outer Harbor
Location:
Sampling Event: TriAnnual
Job #:

Date: 5/7/25
Field Team: DL
Field Conditions: Cloudy 56°F

Well / Sample #: MW-21
Initial DTW: 5.4
Purge Method (circle): Submersible / Peristaltic / Ded. Pump / Other: Bailer
Sample Method: Grab
Sample ID: GW-21-050725
Dup. Sample ID: —
QC Sample ID: —
Depth to Bottom (from meas. pt., ft.): 19.25

Start Time: 1115
End Time: 1125
Measure Point (circle): PVC / Steel / Other:
Sample Time: 1510
Dup. Time: —
QC Time: —
Min. Purge Vol (gal or L): 6.78
Purge Rate (gpm or mLpm): —

WQ Parameter Measurement Technique (circle): Flow-thru cell / In-situ / Open container

Time	Volume Purged gal / L	pH SU (+/- 0.1)	Conductivity mS/cm (+/- 3%)	Turbidity NTU (+/- 10% if > 10 NTU)	DO mg/L (+/- 10%)	Temperature °C (+/- 3%)	Eh / ORP mv (+/- 10 mV)	DTW ft.
5/7/25								
1300	7.0	10.65	0.334	0	5.27	11.74	-205	5.4
1510	—	11.5	0.332	0	~~7.15~~ DO 7.16	~~10.70~~ DO 10.7	-178	—

Sample Collection Information

Parameter	Bottle Type	Volume	Quantity	Preservative	Field Filtered(Y/N)	Sample Taken(Y/N)	Notes
Metals	Plastic	500mL	1	HNO3	N	Y	
SVOC	Amber	1L	2	—	N	Y	

Notes

Jacobs

Well Sampling Form

Project Name: Outer Harbor
Location:
Sampling Event: TriAnnual
Job #:

Date: 5/7/25
Field Team: D. Kessler
Field Conditions: 56°F Cloudy

Well / Sample #: MW-19
Initial DTW: 6.3
Purge Method (circle): Submersible Peristaltic Ded. Pump Other: Bailer
Sample Method: Grab
Sample ID: MW-19-050725
Dup. Sample ID: —
QC Sample ID: —
Depth to Bottom (from meas. pt., ft.): 19

Start Time: 1105 End Time: 1115
Measure Point (circle): PVC Steel Other:
Sample Time: 1500
Dup. Time: —
QC Time: —
Min. Purge Vol (gal or L): 6.21
Purge Rate (gpm or mLpm):

WQ Parameter Measurement Technique (circle): Flow-thru cell In-situ Open container

Time	Volume Purged gal / L	pH SU (+/- 0.1)	Conductivity mS/cm (+/- 3%)	Turbidity NTU (+/- 10% if > 10 NTU)	DO mg/L (+/- 10%)	Temperature °C (+/- 3%)	Eh / ORP mv (+/- 10 mV)	DTW ft.
1310	6.5	12.55	0.939	0.0	16.74	13.10	-118	6.8
* 1500	—	11.96	0.958	0.0	18.13	10.83	-198	—

Sample Collection Information

Parameter	Bottle Type	Volume	Quantity	Preservative	Field Filtered(Y/N)	Sample Taken(Y/N)	Notes
Metals	Plastic	500mL	1	Nitric	N	Y	
SVOC	Amber	1L	2	—	N	Y	

Notes: Dried out right at 3x (column) well volume. Sampled after recharge.

Jacobs

Well Sampling Form

Page 1 of 1

Project Name: Outer Harbor
Location: MW-22
Sampling Event: Triannual Sample
Job #:

Date: 5/7/25
Field Team: DK
Field Conditions: Cloudy, 56°F

Well / Sample #: MW-22
Initial DTW: 3.8
Purge Method (circle): Submersible Peristaltic Ded. Pump Other: Bailer
Sample Method: ~~Bailer~~ DK Grab
Sample ID: MW-22-050725
Dup. Sample ID: —
QC Sample ID: —
Depth to Bottom (from meas. pt., ft.): 21.2

Start Time: 1020 End Time: 1030
Measure Point (circle): PVC Steel Other:
Sample Time: 1415
Dup. Time: —
QC Time: —
Min. Purge Vol. (gal. or L): 8.52gal Purge Rate (gpm or mLpm):

WQ Parameter Measurement Technique (circle): Flow-thru cell In-situ Open container

Time	Volume Purged gal / L	pH SU (+/- 0.1)	Conductivity mS/cm (+/- 3%)	Turbidity NTU (+/- 10% if > 10 NTU)	DO mg/L (+/- 10%)	Temperature °C (+/- 3%)	Eh / ORP mv (+/- 10 mV)	DTW ft.
1335	9	7.5	1.87	0.0	13.86	11.09	-105	3.7
* 1415	—	7.67	1.66	0.0	16.06	11.11	-35	—

Sample Collection Information

Parameter	Bottle Type	Volume	Quantity	Preservative	Field Filtered(Y/N)	Sample Taken(Y/N)	Notes
Metals	Plastic	500ml	1	Nitric	N	Y	
SVOC	~~Amber~~	1L	2	—	N	Y	

Notes

Typically MW-22 has slow recharge. MW-22 had very fast recharge on 5/7/25.

Jacobs

Well Sampling Form

Page 1 of 1

Project Name: Outer Harbor
Location:
Sampling Event: TriAnnual
Job #:

Date: 5/7/25
Field Team: DK
Field Conditions: 50°F Cloudy

Well / Sample #: MW-23
Initial DTW: 6.1
Start Time: 1100
End Time: 1330

Purge Method (circle): Submersible / Peristaltic / Ded. Pump / Other: Bailer
Measure Point (circle): PVC / Steel / Other:
Sample Method: Grab

Sample ID: MW-23-050725
Sample Time: 1425
Dup. Sample ID: —
Dup. Time: —
QC Sample ID: —
QC Time: —

Depth to Bottom (from meas. pt., ft.): 22.1
Min. Purge Vol (gal or L): 7.83
Purge Rate (gpm or mLpm):

WQ Parameter Measurement Technique (circle): Flow-thru cell / In-situ / Open container

Time	Volume Purged gal / L	pH SU (+/- 0.1)	Conductivity mS/cm (+/- 3%)	Turbidity NTU (+/- 10% if > 10 NTU)	DO mg/L (+/- 10%)	Temperature °C (+/- 3%)	Eh / ORP mv (+/- 10 mV)	DTW ft.
1320	4	8.56	1.89	0.0	5.98	10.75	-142	6.6
1330	8	7.63	1.93	61.7	8.55	10.74	-137	17.9
1425 *	—	7.59	2.01	0.0	7.53	10.38	-70	—

Sample Collection Information

Parameter	Bottle Type	Volume	Quantity	Preservative	Field Filtered(Y/N)	Sample Taken(Y/N)	Notes
Metals	Plastic	500mL	1	Nitric	N	Y	
SVOC	Amber	1L	2	—	N	Y	

Notes

Went dry at ~1.5x well water column volume. Well was recharged 24 hours later. Bottom of water column had black water that had higher turbidity. After recharge, water had 0.0 Turbidity.

Jacobs

Well Sampling Form

Project Name: Outer Harbor
Location:
Sampling Event: Tri Annual
Job #:

Date: 5/7/25
Field Team: DS
Field Conditions: cloudy, 56°F

Well / Sample #: MW-18R
Initial DTW: 2.0
Purge Method (circle): Submersible Peristaltic Ded. Pump Other: ~~Bailer~~ Bailer
Sample Method: ~~Bailer~~ Grab
Sample ID: MW-18R-050725
Dup. Sample ID:
QC Sample ID:
Depth to Bottom (from meas. pt., ft.): 20.7

Start Time: 1040 End Time: 1050
Measure Point (circle): PVC Steel Other:
Sample Time: 1400
Dup. Time:
QC Time:
Min. Purge Vol. (gal. or L): 6.72g
Purge Rate (gpm or mLpm):
WQ Parameter Measurement Technique (circle): Flow-thru cell In-situ Open container

Time	Volume Purged gal / L	pH SU (+/- 0.1)	Conductivity mS/cm (+/- 3%)	Turbidity NTU (+/- 10% if > 10 NTU)	DO mg/L (+/- 10%)	Temperature °C (+/- 3%)	Eh / ORP mv (+/- 10 mV)	DTW ft.
1340	7gal	7.64	1.61	0.0	28.19	11.37	-72	7
SAMPLE 1400	12	7.58	1.60	0.0	26.31	11.9	0	—

Sample Collection Information

Parameter	Bottle Type	Volume	Quantity	Preservative	Field Filtered(Y/N)	Sample Taken(Y/N)	Notes
Metals	Plastic	500mL	1	Nitric	N	Y	
SVOC	Amber	1L	2		N	Y	

Notes

ATTACHMENT B.7A SUMMARY OF DEPTH TO WATER MEASUREMENTS

Attachment B.7A: Summary of Depth to Water Measurements

				9/15/2020		10/19/2021		9/14/2022		9/28/2023		10/15/2024		5/7/2025	
Well ID	**Top of Well Cap Elevation**	**Top of Protective Stickup Pipe Elevation**	**Top of PVC Well Riser Elevation**	**Depth to Water (ft.)**	**Groundwater Elevation**	**Depth to Water (ft.)**	**Groundwater Elevation**	**Depth to Water (ft.)**	**Groundwater Elevation**	**Depth to Water (ft.)**	**Groundwater Elevation**	**Depth to Water (ft.)**	**Groundwater Elevation**	**Depth to Water (ft.)**	**Groundwater Elevation**
GW-18R	588.465	588.121	588.058	8.24	579.82	7.62	580.44	10.34	577.72	10.48	577.58	10.85	577.21	7.00	581.06
GW-19	587.196	587.186	586.873	12.08	574.79	5.74	581.13	12.92	573.95	12.89	573.98	13.30	573.57	6.30	580.57
GW-20	588.178	588.162	587.902	12.94	574.96	10.63	577.27	14.08	573.82	13.79	574.11	14.40	573.50	10.25	577.65
GW-21	586.942	586.921	586.614	8.24	578.37	5.92	580.69	8.23	578.38	8.59	578.02	8.80	577.81	5.40	581.21
GW-22	586.363	586.014	585.837	10.22	575.62	3.80	582.04	11.32	574.52	11.85	573.99	13.20	572.64	3.80	582.04
GW-23	586.520	586.192	586.004	11.50	574.50	6.31	579.69	12.86	573.14	12.49	573.51	13.10	572.90	6.10	579.90

Notes:

1) Elevations are in units of feet above mean sea level (ft-msl)

2) Depth to water measured from the Top of PVC Well Riser

Prepared By/Date: LEL 1/2/2026

Checked By/Date: RTB 1/6/2026

ATTACHMENT B.7B SUMMARY OF WELL DEPTH MEASUREMENTS

Attachment B.7B: Summary of Well Depth Measurements

	Depth to Bottom (ft.)					
Well ID	**10/28/2010**	**9/10/2013**	**9/22/2016**	**9/25/2019**	**10/19/2022**	**5/7/2025**
GW-18R	20.50	20.40	20.60	20.60	20.60	20.70
GW-19	19.00	19.00	19.10	19.05	19.05	19.00
GW-20	18.79	18.80	19.00	18.20	18.70	18.70
GW-21	19.27	19.00	19.30	19.25	19.25	19.25
GW-22	21.08	18.40	18.60	18.65	21.15	21.20
GW-23	20.11	22.00	22.10	22.15	22.10	22.10

Notes:

1) Elevations are in units of feet above mean sea level (ft-msl)

2) Depth to bottom measured from the Top of PVC Well Riser.

Prepared By/Date: LEL 1/8/2026

Checked By/Date: RTB 1/8/2026

ATTACHMENT B.8 GROUNDWATER CONTOUR MAPS

Legend

- Monitoring Well
- Groundwater Elevation Contour
- 573.87 Groundwater Elevation
- (556.11) Groundwater Elevation not contoured
- Generalized Groundwater Flow Direction

GW-20
574.11

574.5

575

GW-18R
577.58

577

576.5

GW-22
573.99

GW-21
578.02

577

576.5

576

575.5

575

574.5

574

GW-23
573.51

GW-19
573.98

N

0 30 60 120
Feet

Prepared/Date: ARW 8/6/2025
Checked/Date : RB 8/6/2025

Notes:
1. Elevations are in units above mean sea level (ft-msl).
2. Depth to water measured from top of PVC well riser.

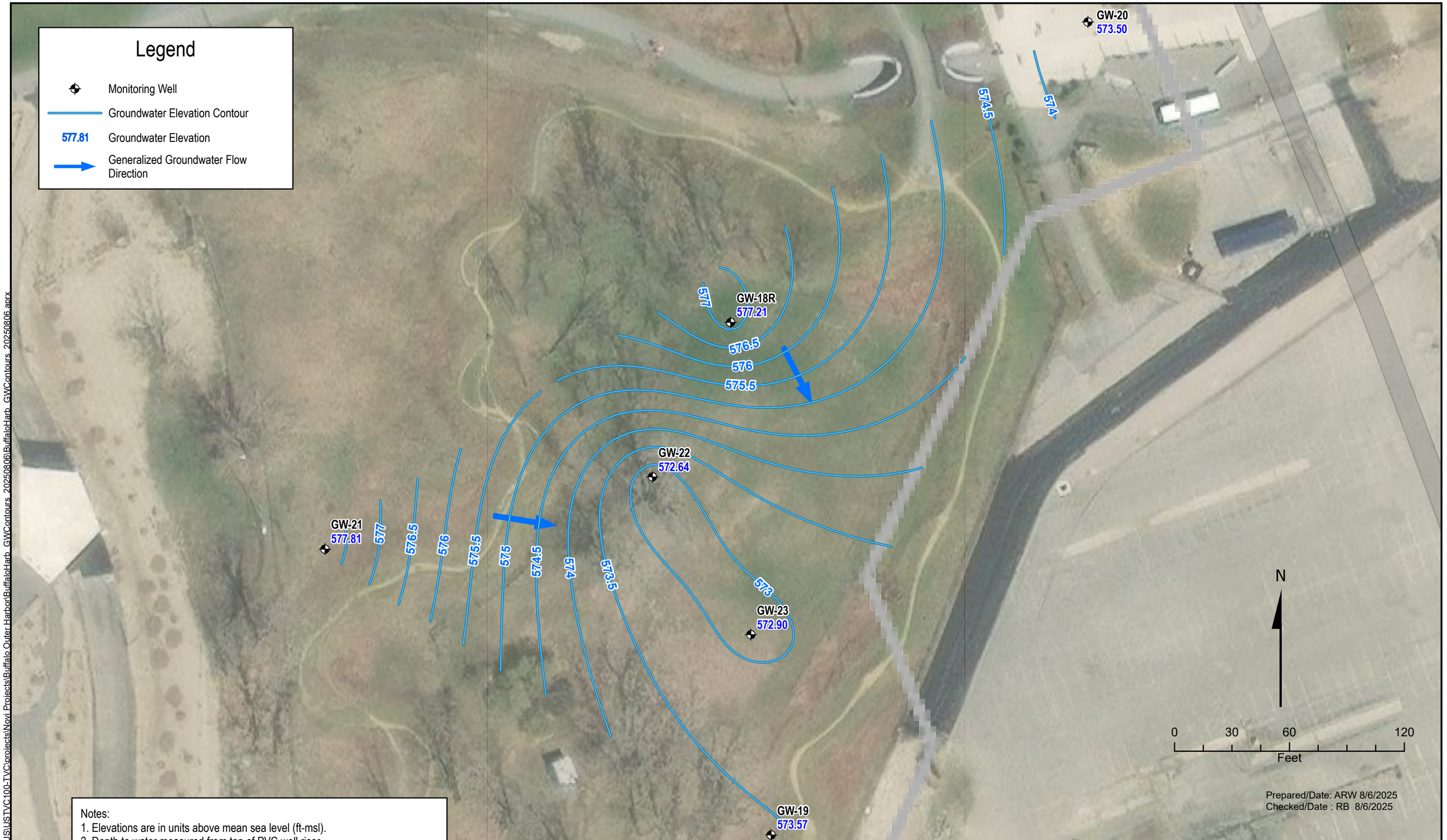
BUFFALO OUTER HARBOR
BUFFALO, NEW YORK

EARTH and ENVIRONMENT
Engineering and Geology P.C.

GROUNDWATER ELEVATION CONTOUR
SEPTEMBER 28, 2023

FIGURE 1

Document Path: X:\US\USTVC100-TVC\projects\Novi Projects\Buffalo Outer Harbor\BuffaloHarb_GWContours_20250806\BuffaloHarb_GWContours_20250806.aprx



Notes:
1. Elevations are in units above mean sea level (ft-msl).
2. Depth to water measured from top of PVC well riser.

BUFFALO OUTER HARBOR
BUFFALO, NEW YORK

EARTH and ENVIRONMENT
Engineering and Geology P.C.

GROUNDWATER ELEVATION CONTOUR
October 15, 2024

FIGURE 1

Document Path: X:\US\US\TVC100-TVC\projects\Novi Projects\Buffalo Outer Harbor\Buffalo Harb_GWContours_20250806\BuffaloHarb_GWContours_20250806.aprx

Legend

- Monitoring Well
- Groundwater Elevation Contour
- 581.21 Groundwater Elevation
- Generalized Groundwater Flow Direction

GW-20
577.65

578

578.5

579

579.5

580

580.5

581

581.5

GW-18R
581.06

GW-22
582.04

GW-21
581.21

GW-23
579.90

GW-19
580.57

N

0 30 60 120
Feet

Prepared/Date: ARW 1/5/2026
Checked/Date : LL 1/5/2026

Notes:
1. Elevations are in units above mean sea level (ft-msl).
2. Depth to water measured from top of PVC well riser.

BUFFALO OUTER HARBOR
BUFFALO, NEW YORK

EARTH and ENVIRONMENT
Engineering and Geology P.C.

GROUNDWATER ELEVATION CONTOUR
May 7, 2025

FIGURE 1

Document Path: X:\US\USTVC100-TVC\projects\Novi Projects\Buffalo Outer Harbor\Drawings & Prints\Buffalo Harb_GWContours_20250806\BuffaloHarb_GWContours_20250806.aprx