MATRIX
ENVIRONMENTAL TECHNOLOGIES INC.
Remediation, Water Treatment and Environmental Engineering
716.662.0745 I www.matrixbiotech.com

September 11, 2026

Ms. Veronica Kreutzer, DER Project Manager
Mr. Patrick Diez, DER Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
700 Delaware Avenue
Buffalo, New York 14209

Re: **Periodic Review Report – August 2024 – 2025; Revised**
ENRX, Inc. – Voelker Analysis
766 New Babcock Street
Buffalo, New York
NYSDEC BCP Site #C915150

Periodic Review Report – August 2024 – 2025; Revised
ENRX Annex Site
50 Hannah Street
Buffalo, New York
NYSDEC BCP Site #C915325

Dear Ms. Kreutzer and Mr. Diez:

In accordance with Section 7.2 of the Site Management Plan (NYSDEC Site Numbers: C915150 and C915325) and NYSDEC's November 24, 2025 email to Matrix Environmental Technologies Inc., consultant for Diamond Hurwitz Scrap LLC dba Niagara Metals Central, regarding the preparation and submittal of a Site Management Periodic Review Report and IC/EC Certification, please find attached the revised 2024-2025 Periodic Review Report with appropriate certifications.

Should you have any questions or require any additional information, please contact METI at 716-662-0745.

Sincerely,
Matrix Environmental Technologies Inc.

Mary M. Szustak
Project Manager

Christine M. Curtis, P.E.
Senior Engineer

Attachments
cc: T. Levin (Triple M (US) Inc.)
P. Pecoraro (NML)
J. Feller (NML)

PERIODIC REVIEW REPORT

August 3, 2024 – August 3, 2025

ENRX, Inc. – Voelker Analysis Site
766 New Babcock Street
Buffalo, New York 14206

NYSDEC BCP Site Number C915150

ENRX Annex Site
50 Hannah Street
Buffalo, New York 14206

NYSDEC BCP Site Number C915325

Prepared By:

MATRIX
Environmental Technologies Inc.
PO Box 427
3730 California Road
Orchard Park, NY 14127

December 11, 2025
Revised September 11, 2026

TABLE OF CONTENTS

1.0 INTRODUCTION 1
1.1 Background 1
1.2 Site History 1
1.3 Description of Selected Remedy 3
2.0 PROGRAM METHODOLOGY 3
2.1 Description of Institutional and Engineering Controls 3
2.1.1 Institutional Controls 3
2.1.2 Engineering Controls 4
2.1.3 Criteria for Completion of Remediation / Termination of Remedial Status 5
2.2 Monitoring and Sampling Requirements 5
2.3 GWP&T System Sampling and Operation and Maintenance 7
2.4 SSD System Operation and Maintenance 8
2.5 Groundwater Quality Sampling and Water Level Monitoring 8
2.6 Cover Inspection and Maintenance Activities 9
2.7 Waste Disposal 10
2.8 Data Validation 10
2.9 Electronic Data Deliverables 11
3.0 MONITORING SUMMARY 11
3.1 GWP&T System Monitoring and Performance Assessment 11
3.2 SSD System Monitoring and Performance Assessment 13
3.3 Groundwater Monitoring and Sampling 14
3.4 Groundwater Quality 14
4.0 CORRECTIVE MESAURES 15
4.1 GWP&T System Completed Corrective Actions 15
4.2 Recommended Modifications to the GWP&T System 16
4.3 SSD System Completed Corrective Actions 16
4.4 Recommended Modifications to the SSD System 16
4.5 Cover System and Monitoring Well Completed Corrective Actions 16
4.5 Cover System Completed Corrective Actions 16
4.6 Recommended Modifications to the Cover System and/or Monitoring Wells 17
5.0 CONCLUSIONS AND RECOMMENDATIONS 17

Figures:

Figure 1 Site Location Map
Figure 2 Site Map
Figure 3 Groundwater Pump-And-Treat System Process and Instrumentation Diagram
Figure 4 Sub-Slab Depressurization System Process and Instrumentation Diagram
Figure 5 3rd Quarter 2024 Groundwater Elevations and VOC Concentrations
Figure 6 4th Quarter 2024 Groundwater Elevations and VOC Concentrations
Figure 7 1st Quarter 2025 Groundwater Elevations and VOC Concentrations
Figure 8 2nd Quarter 2025 Groundwater Elevations and VOC Concentrations
Figure 9 Site Plan SSD System

Tables:

Table 1 Summary of Engineering and Institutional Controls
Table 2 GWP&T System Operational Data and Recovery
Table 3 GWP&T System VOC Recovery to Date
Table 4 GWP&T System Maintenance and Repair Summary
Table 5 GWP&T System Sampling Analytical Results
Table 6 Mid-Carbon/System Discharge Analytical Data Summary
Table 7 SSD System Vacuum Data
Table 8 SSD System Maintenance and Repair Summary
Table 9 Groundwater Elevation Data
Table 10 Groundwater Sampling Results 3rd Quarter 2024
Table 11 Groundwater Sampling Results 4th Quarter 2024
Table 12 Groundwater Sampling Results 1st Quarter 2025
Table 13 Groundwater Sampling Results 2nd Quarter 2025
Table 14 Historical CVOCs in Groundwater

Charts:

Chart 1 System Flow Rate and Total Gallons Pumped
Chart 2 VOC Recovery to Date
Chart 3 System Influent Total VOC Concentrations
Chart 4 Historical Groundwater Elevations
Chart 5 Historical CVOC Concentrations All Wells
Chart 6 Historical CVOC Concentrations BR-1
Chart 7 Historical CVOC Concentrations BR-2
Chart 8 Historical CVOC Concentrations BR-3
Chart 9 Historical CVOC Concentrations BR-13
Chart 10 Historical CVOC Concentrations BR-15

Appendices:

Appendix A Institutional and Engineering Controls Certification Forms
Appendix B Site Specific BSA Wastewater Discharge Permit
Appendix C O&M Log Sheets
Appendix D GWP&T System Sampling Laboratory Analytical Data Reports
Appendix E GWP&T System Discharge Sampling Laboratory Analytical Data Reports
Appendix F Mid-Carbon Sampling Laboratory Analytical Data Reports
Appendix G Monitoring Well Sampling Logs
Appendix H Groundwater Well Sampling Laboratory Analytical Data Reports
Appendix I Annual Inspection Logs
Appendix J DUSR Reports & EQuIS Data Submittal Confirmations
Appendix K Monitoring Well Decommissioning Documents
Appendix L Cover Repair Documents

CERTIFICATIONS

For each institutional or engineering control identified for the Site, I certify that all of the following statements are true:

- The inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;
- The institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, in accordance with DER-10[1];
- Nothing has occurred that would impair the ability of the control to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control;
- Access to the Site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control;
- Use of the site is compliant with the environmental easement;
- The engineering control systems Groundwater Pump and Treat System and Sub-slab Depressurization System are performing as designed and are effective;
- 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;
- No new information has come to the remedial party (site owners) attention, including groundwater monitoring data from wells located at the Site boundary, if any, to indicate that the assumptions made in the qualitative exposure assessment of off-Site contamination are no longer valid; and
- The information presented in this report is accurate and complete.

I certify that all information and statements in this certification form 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, Christine M. Curtis, P.E., of Matrix Environmental Technologies Inc., 3730 California Road, Orchard Park, NY 14127, am certifying as Owner's/Remedial Party's Designated Site Representative.



PE Stamp	Signature	Date
		12/11/2025

[1] "DER-10/Technical Guidance for Site Investigation and Remediation" prepared by New York State Department of Environmental Conservation (NYSDEC), dated May 3, 2020

1.0 INTRODUCTION

1.1 Background

Diamond Hurwitz Scrap, LLC (DHS) entered into a Brownfield Cleanup Agreement (BCA)[2] with the New York State Department of Environmental Conservation (NYSDEC or 'Department') in June 2012 to investigate and remediate a 0.84-acre property located in Buffalo, New York. This site, identified as the ENRX, Inc. – Voelker Analysis Site (NYSDEC BCP Site # C915150), is located at 766 New Babcock Street, Buffalo, New York as shown in **Figure 1** and **Figure 2**. The site was remediated to commercial use standards.

DHS Reality, Inc., entered into a BCA[3] with NYSDEC for the southern adjoining parcel in April 2018 to investigate and remediate the 0.27-acre property located in Buffalo, New York. In November 2019, a BCA Amendment was executed, transferring site ownership from DHS Reality to Diamond Hurwitz Scrap, LLC[4]. This second site, identified as the ENRX Annex Site (NYSDEC BCP Site # C915325), is an adjacent parcel located at 50 Hannah Street, Buffalo, New York as shown in **Figure 1** and **Figure 2**. This site was also remediated to commercial use standards.

Together, the combined 1.11-acre 'property' is being evaluated as one site[5] (the "Site"), with both BCP parcels utilizing the same Bedrock Ground Water Pump and Treat (GWP&T) system as an engineering control as part of the final remedy. The GWP&T system is currently operating to maintain hydraulic control over both BCP parcels and achieve the remedial objectives described in the Decision Documents (DDs) for both BCP sites. Additionally, the remedy for the ENRX, Inc. – Voelker Analysis Site includes operation of a Sub-Slab Depressurization (SSD) system within the on-site building as an engineering control. Currently, the ENRX Annex Site is not improved with any structures. Both the ENRX Inc. – Voelker Analysis Site and ENRX Annex Site have their own separate cover systems as an engineering control. The Sites are currently commercially utilized for processing and temporary storage of scrap metal.

1.2 Site History

The main ENRX, Inc. – Voelker Analysis Site was formerly occupied by Voelker Analysis, which operated as a permitted hazardous waste chlorinated organic recovery facility that handled solvents such as methylene chloride, trichloroethylene, tetrachloroethylene and 1-1-1-trichloroethane. The facility was acquired by ENRX, Inc. in August 1987 and operations were moved to a different area on the property.

A Preliminary Site Assessment (PSA) was conducted in 1994 by ABB Environmental Services (ABB-ES). The results of the assessment verified that hazardous waste had been disposed of on-site. Laboratory analytical results of sump liquid, sediment samples, and waste/sludge samples

[2] Brownfield Cleanup Agreement Index No. C915150-05-12.
[3] Brownfield Cleanup Agreement Index No. C915325-01-18.
[4] Brownfield Cleanup Agreement Amendment executed November 8, 2019 transferring Site ownership from DHS Reality, Inc. to Diamond Hurwitz Scrap, LLC.
[5] In a March 31, 2020 email to the previous owner of both sites, the NYDSEC site representative authorized both sites to be reviewed in one single Periodic Review Report. "Email" from NYSDEC to Michael Diamond, Bill Heitzenrater, & Mark Hanna dated March 31, 2020.

revealed the presence of hazardous waste-related volatile organic compounds (VOCs). In May 2010, Buffalo Environmental Consultants, Inc. dba AFI Environmental (AFI) conducted a Limited Phase II Environmental Site Assessment (ESA), which consisted of exploratory test pits along with soil and groundwater sampling and chemical analysis[6].

From 2012 to 2013, Interim Remedial Measures (IRMs) were completed at the main ENRX, Inc. – Voelker Analysis Site, which included the removal and disposal of the contents of six (6) underground storage tanks (USTs) and the excavation and disposal of contaminated soils and C&D debris. Full documentation of the completed remedial activities at the main ENRX, Inc. – Voelker Analysis Site is documented in the Final Engineering Report (FER)[7] for BCP Site # C915150.

Groundwater data collected in conjunction with the ongoing remediation and site management activities on the ENRX, Inc. – Voelker Analysis Site provided evidence of a substantial increase in VOCs in monitoring well BR-13 located on the ENRX Annex Site. As a result, DHS subsequently entered into a separate BCA to facilitate cleanup and redevelopment of the ENRX Annex Site.

According to a Phase I ESA[8] completed by AFI, the ENRX Annex Site was historically utilized as electric utility substation operated by Buffalo General Electric Company (1917) and subsequently by Buffalo Niagara Electric Corporation (1939) and Niagara Mohawk Power Corporation (1950). On Sanborn Maps from 1986, a tannery known as Hyde Processing facility occupied the ENRX Annex Site. The previous site building on the ENRX Annex site was demolished in 2010, and currently no improvements remain on this site.

AFI completed soil and groundwater investigations on the ENRX Annex Site in support of the Remedial Investigation (RI) conducted on the ENRX Inc. – Voelker Analysis Site as summarized above, which were submitted to the Department in a separate Revised Supplemental Remedial Investigation/Alternatives Analysis Report/Remedial Action Plan[9] for the ENRX Annex Site in May 2015. As a part of this RI, additional soil borings, a soil vapor assessment, and a supplemental test pit investigation were completed on the ENRX Annex Site to further define environmental contamination.

No additional IRMs were completed on the ENRX Annex Site. In summer/fall 2019, an asphalt cover system was installed at the site. Full documentation of the completed remedial activities at the ENRX Annex Site is documented in the Final Engineering Report (FER)[10] for BCP Site # C915325.

1.3 Description of Selected Remedy

[6] "Limited Phase II Subsurface Investigation, 766 New Babcock, Buffalo, New York", prepared by AFI Environmental for Diamond Hurwitz Scrap, LLC, dated May 2010.
[7] "Final Engineering Report, NYSDEC Site Number: C915150" prepared by AFI Environmental for Diamond Hurwitz Scrap, LLC, dated December 2015.
[8] "Phase I Environmental Site Assessment, 766 New Babcock Street" prepared by AFI Environmental for Diamond Hurwitz Scrap, LLC, dated March 2010.
[9] "Revised Supplemental Remedial Investigation/Alternatives Analysis Report/Remedial Action Plan" prepared by AFI Environmental for Diamond Hurwitz Scrap, LLC, dated May 2015.
[10] "Final Engineering Report, ENRX, Inc. – Voelker Analysis, NYSDEC Site Number: C915325" prepared by AFI Environmental for Diamond Hurwitz Scrap, LLC, dated December 2019.

The sites were remediated in accordance with the remedies selected by the NYSDEC in the site-specific DDs[11,12]. The factors considered during the selection of the remedy are those listed in 6 NYCRR 375-1.8. The following are the components of the selected remedies:

- Construction and maintenance of a cover system consisting of asphalt and concrete to prevent human exposure to remaining contaminated soil/fill remaining at the Site;
- Installation of a bedrock GWP&T system to achieve a bulk reduction in bedrock groundwater contamination to asymptotic levels to the extent feasible and to create an inward bedrock groundwater gradient to prevent impacted bedrock groundwater from exiting the Site;
- Installation of an SSD system in the on-site building to prevent potential soil vapor intrusion into indoor air until such time as bedrock groundwater impacts have been remediated to where it would be appropriate to turn the system off (main ENRX, Inc. – Voelker Analysis Site only);
- Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the Site;
- Development and implementation of a Site Management Plan (SMP)[13,14] for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) institutional and engineering controls, (2) monitoring, (3) operation and maintenance and (4) reporting; and
- Periodic certification of the institutional and engineering controls listed above.

2.0 PROGRAM METHODOLOGY

2.1 Description of Institutional and Engineering Controls

The following is a list of institutional controls (ICs) and engineering controls (ECs) as outlined in the respective NYSDEC-approved SMPs and reported in the respective FERs. These ICs/ECs are put in place to ensure that the remediation goals are achieved and maintained throughout time. Each control is routinely monitored in accordance with procedures set forth in the SMP for each site. A brief description of each control, the monitoring program and frequency, and notation of any deficiencies/corrective measures for the reporting period is included in **Table 1**. The completed Institutional and Engineering Controls Certification Forms for each respective site are provided in **Appendix A**.

2.1.1 Institutional Controls

- The properties may be used for commercial and/or industrial use;
- All ECs must be operated and maintained as specified in each SMP;

[11] "Decision Document, ENRX, Inc. – Voelker Analysis" prepared by NYSDEC, dated December 15, 2015.
[12] "Decision Document, ENRX Annex Site" prepared by NYSDEC, dated October 22, 2019.
[13] "ENRX, Inc., – Voelker Analysis, Site Management Plan, NYSDEC Site Number: C915150" prepared by AFI Environmental, for Diamond Hurwitz Scrap, LLC, dated November 2015.
[14] "ENRX Annex Site, Site Management Plan, NYSDEC Site Number: C915325" prepared by AFI Environmental for Diamond Hurwitz Scrap, LLC, dated November 2019.

- All ECs must be inspected at a frequency and in a manner defined in each SMP;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the New York State Department of Health (NYSDOH) or the Erie County Department of Health (ECDOH) to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department. It should be noted use of groundwater is also prohibited by The City of Buffalo;
- Groundwater and other environmental or public health monitoring must be performed as defined in each SMP;
- Data and information pertinent to Site management must be reported at the frequency and in a manner as defined in each SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with each SMP and each Excavation Work Plan (EWP);
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in each SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in each SMP;
- Access to the Site must be provided to agents, employees, or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easements;
- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2, and any potential impacts that are identified must be monitored or mitigated; and
- Vegetable gardens and farming on the Site are prohibited.

2.1.2 Engineering Controls

Cover System

A site-wide cover system consisting of asphalt pavement was installed on the ENRX, Inc. – Voelker Analysis site in December 2015 and on the ENRX Annex site in Fall 2019. The existing concrete building slab on the ENRX, Inc. – Voelker Analysis site is also part of the cover system. Significant cover repairs were completed in August 2021 on the ENRX, Inc. – Voelker Analysis site.

Bedrock GWP&T System

A bedrock groundwater extraction system was installed and activated on November 2, 2015. The extraction system consists of two (2) extraction wells (BR-1 and BR-2), which pumps impacted groundwater from the shallow bedrock groundwater aquifer. Groundwater collected from the recovery wells is treated on the ENRX, Inc. – Voelker Analysis site via filtration, air stripping, and carbon polishing prior to being discharged to the Buffalo Sewer Authority (BSA) Treatment Facility under BSA Discharge Permit #24-10-BU136[15]. The extraction system collects groundwater from and maintains hydraulic control over both the ENRX, Inc. – Voelker Analysis site and ENRX Annex site. A copy of the BSA discharge permit is included as **Appendix B**.

[15] BSA Discharge Permit #15-10-BU136 effective October 1, 2018 - September 30, 2021; BSA Discharge Permit #21-10-BU136 effective October 1, 2021 – September 30, 2024.; BSA Discharge Permit #24-10-BU136 effective October 1, 2024 – September 30, 2027.

SSD System (ENRX, Inc. – Voelker Analysis Site only)
An SSD system consisting of four sub-slab extraction points and a 10-horsepower (HP) blower used to extract soil vapors from below the building slab is currently operating to reduce VOC concentrations in indoor air in the on-site building. While installed in 2015, the SSD system initially remained idle with NYSDOH approval until April of 2018 while the building was unoccupied. In April 2018, the site began operating as a scrap metal recycling center and the SSD system was activated.

2.1.3 Criteria for Completion of Remediation / Termination of Remedial Status

Once monitoring results indicate that the remedy has achieved the remedial action objectives (RAOs) identified within the NYSDEC decision document, this generally will mean that the remedial process is considered complete. However, the following should be noted:

- The cover system is a permanent control, and the quality and integrity of this system should be inspected at defined, regular intervals in accordance with the SMP.
- The GWP&T system will not be discontinued unless prior written approval from NYSDEC is granted.
- The SSD system will not be discontinued unless prior written approval from NYSDEC and NYSDOH is granted.

2.2 Monitoring and Sampling Requirements

As revised, the Monitoring and Sampling Plan[16] describes the monitoring and sampling requirements for evaluating the overall performance and effectiveness of the selected remedy which includes the following:

- Site-wide inspections will be performed quarterly or at a minimum of once per year and after all severe weather conditions that may affect ECs or monitoring devices.
- Monitoring of the GWP&T system including the following:
  - Influent and post-air stripper sampling for Target Compound List (TCL) VOCs using United States Environmental Protection Agency (USEPA) Method 8260 on a quarterly basis to evaluate the effectiveness of the system and calculate total VOC recovery.
  - Mid-carbon or effluent sampling for TCL VOCs via USEPA Method 8260 on a quarterly basis to evaluate the effectiveness of the granular activated carbon (GAC) and to determine if replacement is needed. Mid-carbon sampling is not required during the quarters that BSA discharge sampling is required.
  - Operation and maintenance (O&M) system checks on a semi-monthly basis. Routine O&M monitoring includes visual inspection of the system; the identification and repair of any leaks; operational status checks of the extraction well pumps (BR-1 and BR-2), air compressor, equalization tanks, air stripper,

[16] The Monitoring and Sampling Plan presented in Section 4.0 of the SMP, has been revised with NYSDEC approval as detailed in previous Site PRRs and correspondence.

transfer pumps, bag filters, GAC tanks, and general system piping; and documentation of pressure and flow rate data.

– Monitoring of the SSD system including the following:
  - O&M system checks on a semi-monthly basis. Routine O&M monitoring includes visual inspection of the system, the identification and repair of any leaks, operational status check of the blower, and documentation of vacuum at each vapor extraction point.
– Quarterly groundwater monitoring events, including the collection of groundwater samples from monitoring wells BR-1, BR-2, BR-3, BR-13, and BR-15 for laboratory analysis of TCL VOCs via USEPA Method 8260, to evaluate the effectiveness of the remedial system.

The current sampling schedule is presented in table 2.2 below.

Table 2.2: Sampling Requirements and Schedule

Sampling Location	Analytical Parameters					Schedule
	TCL VOCS EPA 8260	VOCs EPA 624	SVOCs EPA 625	PCBs EPA 608	pH EPA 9040	
Monitoring Wells – BR-1, BR-2, BR-3, BR-13, BR-15	X					Quarterly – Mar, Jun, Sep, Dec
System Influent	X					Quarterly – Mar, Jun, Sep, Dec
Post- Air Stripper	X					Quarterly – Mar, Jun, Sep, Dec
In-Between Carbon	X					Semi-Annual – Jan, Jul
BSA Discharge		X	X	X	X	Semi-Annual – Apr, Oct

The following changes were made to the Monitoring and Sampling Plan as recommended by the previous Site consultant Environmental Advantage, Inc. (EA) and approved by NYSDEC.

– Previously BR-1, BR-2, BR-4, BR-7, and BR-13 were part of the monitoring program and were monitored for VOCs, semi-volatile organic compounds (SVOCs) and polychlorinated biphenyls (PCBs); however due to the changing contaminant plume and declining concentrations at the Site, monitoring of BR-4 and BR-7 was discontinued and sampling for SVOCs and PCBS was discontinued in all monitoring wells[17].
– Previously BR-14 was part of the monitoring program from 2022-2023; however, due to the changing contaminant plume at the Site, BR-14 was discontinued[18].
– Previously, mid-carbon sampling was completed on a monthly basis for VOCs, SVOCs, and PCBs; however, due to the declining contaminant concentrations at the Site, sampling was reduced to a quarterly basis and sampling for SVOCs[19] and PCBS[19,20] was discontinued. SVOCs and PCBs continue to be monitored on a semi-annual basis in the

[17] Email from David Locey (DEC) to Mary Szustak (Environmental Advantage, Inc.) "RE: Proposed Change in Monitoring 766 New Babcock C915315 and 50 Hannah C9153235" dated September 23, 2022.
[18] Site Management (SM) Periodic Review Report (PRR) Response Letter, ENRX, Inc. – Volker Analysis, ENRX Annex Site, dated May 1, 2024.
[19] 2020 Corrective Measures Plan (CMP) Acceptance Letter dated August 3, 2020 and Email from David Locey (DEC) to Mary Szustak (Environmental Advantage, Inc.) "RE: ENRX Site C915150 Clarifications" dated August 6, 2020.
[20] Site Management - Periodic Review Report, ENRX, Inc. – Volker Analysis, Site No. C915150, ENRX Annex Site, Site No. C915325, Acceptance Letter dated April 4, 2023.

GWP&T system discharge as required by the BSA Discharge Permit # 24-10-BU136 for the Site. Mid-carbon sampling is waived during the quarters that BSA discharge sampling is completed[19].

- Previously, GWP&T system sampling included post-air stripper effluent air monitoring for VOCs via USEPA Method TO-15; however due to contaminant recovery and discharge limits being based on concentration data from the system influent and effluent Water samples and the limitations of air data, post-air stripper effluent air sampling was discontinued and replaced with post-air stripper water sampling[21].
- Previously, GWP&T system influent sampling included monitoring for semi-volatile organic compounds (SVOCs) and polychlorinated biphenyls (PCBs); monitoring for SVOCs[22] and PCBs[23] was discontinued.

2.3 GWP&T System Sampling and Operation and Maintenance

A GWP&T system was installed on the Site and was activated on November 2, 2015. Groundwater is extracted from the shallow bedrock aquifer utilizing pneumatic pumps installed in two extraction wells designated as BR-1 and BR-2. Groundwater is treated using two equalization tanks that function as an oil water separator, bag filtration, air stripping, and liquid phase GAC prior to discharge to the BSA sanitary sewer. A system process and instrumentation diagram is provided as **Figure 3**.

Table 2.3: Groundwater Pump and Treat System Summary

System Activation Date	November 2, 2015
Extraction Wells:	BR-1, BR-2: 4-inch diameter open bedrock corehole from 10-20 feet below ground surface (bgs)
Method of Groundwater Treatment:	Filtration and air stripping with liquid-phase granular GAC polishing
Method of Air Treatment:	None

Refer to **Tables 2** and **3** for system performance and operational data.

System operation and maintenance (O&M) checks are completed on a semi-monthly basis, with additional site visits completed as necessary for repairs. System monitoring (system influent water, post-treatment water, and extraction well groundwater) is completed on a quarterly basis as described below. A summary of semi-monthly system O&M activities and major system maintenance and repairs completed over the reporting period is provided in **Table 4**, with O&M log sheets included in **Appendix C**.

Quarterly system influent samples are collected at the discharge of the two 160-gallon capacity equalization tanks and air stripper to monitor the effectiveness of the remedial system. The system influent and post-air stripper samples are analyzed for TCL VOCs via USEPA method

[21] 2020 Corrective Measures Plan (CMP) Acceptance Letter dated August 3, 2020 and Email from David Locey (DEC) to Mary Szustak (Environmental Advantage, Inc.) "RE: ENRX Site C915150 Clarifications" dated August 6, 2020. This modification was adopted by EA commencing in September 2020.
[22] 2018 PRR Acceptance Letter dated January 11, 2019. This modification was adopted by EA commencing in April 2020.
[23] 2020 Corrective Measures Plan (CMP) Acceptance Letter dated August 3, 2020. This modification was adopted by EA commencing in September 2020.

8260. Influent and post air-stripper data is provided in **Table 5** and discussed in Section 3.0 below. Laboratory analytical data packages for reporting period for influent and post air-stripper are included in **Appendix D.**

Semi-annual groundwater treatment system discharge samples are collected to monitor compliance with the BSA discharge limits as outlined in the wastewater discharge permit for the Site. Semi-annual analysis includes pH, VOCs, SVOCs and PCBs via USEPA methods 9040, 624, 625, and 608, respectively. Semi-annual mid-carbon sampling is completed during the opposite quarters of the BSA discharge sampling. Analytical data for the current monitoring period are provided in **Table 6** and are discussed in Section 3.0 below. Laboratory analytical data packages for the reporting period are included in **Appendix E** for the BSA discharge and **Appendix F** for the between-carbon sampling.

Following collection, samples are packed on ice and submitted to a NYSDOH Environmental Laboratory Approval Program (ELAP) certified lab (Pace Analytical of Westborough, MA) for analysis, following all appropriate sample handling and chain-of-custody procedures.

2.4 SSD System Operation and Maintenance

The SSD system was installed in the onsite building in 2015 and was activated in 2018 when the building became occupied. A 10 HP regenerative blower located in the remediation system trailer is used to extract sub-slab vapor from four (4) vapor extraction points designated as VP-1, VP-1A, VP-2 and VP-3. The air is then discharged to a stack at least 8 feet above grade. A system process and instrumentation diagram is provided as **Figure 4**.

Table 2.4: SSD System Summary

System Activation Date:	April 2018
Extraction Points:	VP-1, VP-1A, VP-2, VP-3
Method of Air Treatment:	None

The design goal of the SSD system is to create a minimum negative pressure differential of at least 0.004 inches of water column (in. WC) below the building slab to prevent soil vapor intrusion into indoor air. Immediately following system activation, vacuum influence was reportedly measured via eight (8) vacuum monitoring points located throughout the on-site building as shown in Figure 9 of the FER. The monitoring points were removed prior to March 2020 and vacuum data prior to April 2021 is unavailable.

Vacuum levels in the vapor extraction points are recorded during each semi-monthly O&M site visit to verify that the design goal is met. Historical semi-monthly vacuum data collected since April 2021 when the vacuum gauges were installed is included in **Table 7.** A summary of semi-monthly system O&M activities completed throughout the current monitoring period is provided in **Table 8.** Semi-monthly system O&M log sheets are included in **Appendix C**.

2.5 Groundwater Quality Sampling and Water Level Monitoring

Quarterly groundwater elevation gauging is completed at 12 monitoring well locations throughout the Site. Groundwater elevation data are summarized in **Table 9** and discussed in

Section 3.0 below, and well sampling logs are presented in **Appendix G**. Monitoring well locations are illustrated on **Figure 2**.

Groundwater is sampled at the following monitoring well locations utilizing low flow sampling methodology and analyzed for TCL VOCs via USEPA Method 8260:

- BR-13 is located on the ENRX Annex site and serves as an upgradient monitoring location for the ENRX, Inc. – Voelker Analysis site. Following activation of the GWP&T system and prior to the addition of BR-15 to the monitoring program, BR-13 was the most impacted monitoring well on the ENRX Annex site.
- Extraction wells BR-1 and BR-2 are located in the source area of the ENRX, Inc. – Voelker Analysis site. Prior to activation of the GWP&T system, BR-1 and nearby BR-9 were the most impacted monitoring wells on the main ENRX Inc. – Voelker Analysis Site. BR-9 is no longer included in the sampling program.
- BR-3 is a downgradient monitoring location on the ENRX, Inc. – Voelker Analysis site. Under pumping conditions, BR-3 is hydraulically upgradient of extraction wells BR-1 and BR-2.
- BR-15 is an upgradient monitoring location on the ENRX Annex site and is currently the most impacted monitoring well on the ENRX Annex site.

Following collection, samples are packed in ice and submitted to an ELAP-certified lab (Pace Analytical of Westborough, MA) for analysis, following all appropriate sample handling and chain-of-custody procedures. Associated quality assurance/quality control (QA/QC) samples are also collected, including one field duplicate, one matrix spike (MS), one matrix spike duplicate (MSD), and one trip blank for each sampling event. The purge water and decontamination water are contained and treated through the GWP&T system.

Laboratory analytical data for the quarterly groundwater sampling events is summarized in **Tables 10** through **13**. Laboratory analytical data reports, including QA/QC sample results, are included in **Appendix H**. Historical groundwater analytical data is provided in **Table 14** and is discussed in Section 3.0 below.

2.6 Cover Inspection and Maintenance Activities

Routine cover/Site inspections are completed on a quarterly basis in conjunction with routine O&M visits. The Site is inspected for excessive debris, litter and waste, condition of gates and fencing, integrity of groundwater monitoring and observation wells, and integrity of the cover system. During these routine inspections, no damage to the fencing, access gates, signage, treatment trailer, or exterior lighting at the treatment building was observed.

The annual site inspection for the certification of ECs was completed on August 6, 2025. No damage to the fencing, access gates, signage, treatment trailer, or exterior lighting at the treatment building was observed. The cover system was in overall good condition throughout the majority of both BCP parcels, with the exception of three small areas on the ENRX Inc. – Voelker Analysis site where slight deterioration in the form of three small potholes was observed. Repairs were completed during the 4th quarter of 2025. Monitoring wells were observed in good condition with no repairs needed. There was no observation of excessive debris or litter other than that resulting

from metal scraping activities. The annual site inspection form, along with photographs taken during the inspection, is included in **Appendix I**.

2.7 Waste Disposal

There is no disposal to report for the 2024-2025 monitoring period. Currently one full drum and one partial drum of used bag filters are stored at the Site. Once full, the drums will be transported to American Recyclers Company located at 177 Wales Avenue, Tonawanda, New York for disposal under the existing waste profile. Disposal documentation will be provided upon receipt.

2.8 Data Validation

The analytical data from the quarterly groundwater samples collected were submitted to Vali-Data of WNY, LLC, located in Fulton, New York, for third-party data validation. VOC results for five (5) groundwater samples, one (1) duplicate, one (1) trip blank, and one (1) MS/MSD were analyzed. The data usability summary reports (DUSRs) are included in **Appendix J**. The DUSRs were prepared using guidance from the USEPA Region 2 Validation Standard Operating Procedures, USEPA National Functional Guidelines (NFG) for Data Review, NYSDEC Analytical Services Protocols, and professional judgement. In general, the samples were noted to be either usable or with minor qualifications. However, the following items were noted:

Pace Analytical Samples L2450744 (3rd Quarter 2024):

- The VOC data are acceptable for use except where qualified in MS/MSD, Initial Calibration, and Continuing Calibration.
- Samples BR-01(090424), BR-02(090424), and BR-02(090424) DUPLICATE were diluted due to high target analyte concentrations.
- Tetrachloroethene and trans-1,2-Dichloroethene were detected in BR-02(090424) DUPLICATE but were not detected in BR-02(090424).
- 1,1,1-Trichloroethane and Chloroethane were outside QC limits in the matrix spikes and should be qualified as estimated in sample BR-01(090424).
- Trichloroethene was outside QC limits in the initial calibrations and should be qualified as estimated in samples BR-01(090424), BR-02(090424), and BR-02(090424) DUPLICATE.

Pace Analytical Samples L2471665 (4th Quarter 2024):

- The VOC data are acceptable for use except where qualified in MS/MSD, Initial Calibration, and Continuing Calibration.
- Samples BR-01(120424), BR-02(120424), BR-02(120424) DUPLICATE, and BR-15(120424) were diluted due to high target analyte concentrations.
- 1,1,1-Trichloroethane and cis-1,2-Dichloroethene were outside QC limits in the matrix spikes and should be quantified as estimated in sample BR-01(120424).

Pace Analytical Samples L2512227 (1st Quarter 2025):

- The VOC data are acceptable for use except where qualified in MS/MSD, Compound Quantitation, Initial Calibration and Continuing Calibration.

- Samples BR-01(030525), BR-02(030525), BR-02(030525) DUPLICATE, and BR-13(030525) were diluted due to high target analyte concentrations.
- 1,1,1-Trichloroethane and cis-1,2-Dichloroethene were outside QC limits in the matrix spikes and should be quantified as estimated in sample BR-01(030525).

Pace Analytical L2537939 (2nd Quarter 2025):

- The VOC data are acceptable for use except where qualified in Laboratory Control Samples, MS/MSD, Compound Quantitation, Initial Calibration and Continuing Calibration.
- Samples BR-01(061625), BR-02(061625), and BR-02(061625) DUPLICATE were diluted due to high target analyte concentrations.
- Chloroethane was outside QC limits in the matrix spikes and should be qualified as estimated in sample BR-01(061625).
- Acetone was detected in the sample blank and should be qualified in samples BR-01(061625), BR-03(061625), BR-13(061525), and BR-15(061625).
- Freon-113 was outside QC limits in the initial calibration verification and should be qualified as estimated in samples BR-02(061625), BR-02(061625) DUPLICATE, and BR-03(061625).
- Chloroethane was outside QC limits in the continuing calibration and should be qualified as estimated in samples BR-01(061625) and BR-13(061625).

2.9 Electronic Data Deliverables

In accordance with Section 1.15 of NYSDEC DER-10, all aforementioned validated data was submitted electronically to the NYSDEC EQuIS system. Confirmation emails of successful data submission are provided in **Appendix J.**

3.0 MONITORING SUMMARY

3.1 GWP&T System Monitoring and Performance Assessment

Site checks were completed on a semi-monthly basis during the reporting period, with additional site visits completed as necessary for repairs. For a detailed summary of site activities major system maintenance and repairs completed over the reporting period refer to **Table 4**. Quarterly system samples (system influent water and post-treatment water) were collected on September 4 and December 4, 2024 and March 5, and June 16, 2025. The annual engineering certification inspection was completed on August 6, 2025. During the annual inspection, the system was found to be operating as designed with the Site Management Plan (SMP) in place; no repairs, maintenance, or intrusive activities were performed. The annual site inspection form, along with photographs taken during the inspection, is included in **Appendix I**.

The system recovered a total of 247,424 gallons of groundwater from BR-1 and BR-2 over the reporting period at an average flow rate of 678 gallons per day, or 752 gallons per day while the system was operational. The system was fully operational except for 13 days from February 12 - 25, 2025 while repairs were made to the system process water piping due to freezing of the system

components resulting from the heat trace being unplugged; and for 23 days from April 16 – May 9, 2025 while repairs were made to the system process piping due to the legs of the primary bag filter housing collapsing from deterioration. Recovery well pump issues were corrected during August, October, November, and December 2024, and system repairs were completed resulting from the deteriorating secondary bag filter housing in June. The system was operational at the end of the reporting period. Approximately 3,269,984 gallons of groundwater have been treated and discharged to the BSA sewer system since system startup. **Chart 1** illustrates GWP&T system flow rate and total gallons pumped over the lifespan of the system.

Based on air stripper influent concentration data, the system recovered a total of 2.22 lbs. of VOCs over the reporting period for an estimated total of 39.62 lbs. since the system was activated in 2015. **Chart 2** illustrates VOC recovery over the life span of the GWP&T system. As shown in the attached **Charts 1** and **2**, the rate of VOC recovery and the pumping rate show little fluctuation except for during events of pump malfunctions or system down time while repairs are completed and due to seasonal precipitation patterns.

System influent VOC concentrations averaged 1,013 mg/L over the current reporting period, which is slightly higher than the average of 931 mg/L during the previous reporting period. Historical VOCs concentration trends in the system influent are illustrated in **Chart 3.** Total groundwater VOC concentrations in the pumping wells ranged from 548 mg/L (BR-1; December 2024) to 3,004 mg/L (BR-2; June 2025), which is similar to results from the previous reporting period. Continued system operation is recommended with no change to the frequency of system inspections or sampling.

Total TCL VOC concentrations in the air stripper influent ranged from 613 µg/L in December 2024 to 1,562 µg/L in March 2025. Refer to **Tables 2** and **3** for system performance and operational data. System sampling results are included in **Table 5.** The data indicates that groundwater contaminant concentrations are being reduced to levels acceptable for discharge to the BSA sewer.

Based on concentrations of high toxicity air contaminants (HTACs) in the air stripper influent, emissions from the air stripper air discharge have not exceeded NYSDEC regulatory standards for annual or short-term mass emission limits:

Table 3.1: Air Stripper Emissions

Chemical Name	Emission Rate (lb./hr.)				Annual Emissions (lb./yr)
	3rd Quarter 2024	4th Quarter 2024	1st Quarter 2025	2nd Quarter 2025	
Benzene	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.000
Carbon tetrachloride	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.000
Tetrachloroethene	2.67E-07	2.61E-07	1.30E-07	4.28E-07	0.000
Trichloroethene	6.24E-07	8.54E-07	6.77E-07	5.63E-06	0.001
Vinyl chloride	6.52E-05	1.28E-05	1.18E-05	2.05E-05	0.011

NOTE: ND = Not Detected

Under non-pumping conditions prior to system startup, groundwater flow was to the north towards monitoring wells BR-3, BR-4, and BR-7. Monitoring wells BR-13, BR-14, and BR-15 located on the 50 Hannah Street property are hydraulically upgradient of the center of the area of

impacted groundwater, which is represented by BR-1 and BR-2 located in the southern portion of the 766 New Babcock Street property.

Groundwater elevation contour maps from the quarterly monitoring events are included as **Figures 5** through **8**. Under pumping conditions, groundwater flow is towards the bedrock pumping wells BR-1 and BR-2**.** Groundwater flow patterns during each monitoring event were similar to one another and to previous results under pumping conditions.

In accordance with the GWP&T system discharge permit for the Site, a review of **Table 6** indicates concentrations of PCBs, SVOCs, and VOCs in the system discharge have been non-detect or below discharge limits outlined in the site-specific BSA discharge permit. Based on treatment system discharge data, the GWP&T system is operating effectively to remove contaminants and to achieve remedial program objectives.

The GWP&T system continues to operate as designed to reduce contaminant concentrations in groundwater and to prevent off-site migration of contaminants. System efficacy is measured through regular periodic monitoring of pumping and monitoring wells, collection of treatment system samples, and the collection of system operational data as detailed in the SMP.

3.2 SSD System Monitoring and Performance Assessment

Site checks were completed on a semi-monthly basis during the reporting period, with additional site visits completed as necessary for repairs. For a detailed summary of site activities and major system maintenance and repairs completed over the reporting period, refer to **Table 8.** On October 31, 2024, the above grade system process piping to VP2 was repaired. Small cracks in the piping for VP2 were repaired on January 6 and March 5, 2025 prior to temporary deactivation of VP2 on April 2, 2025 so that more permanent repairs could be completed. During the period that VP2 was shut down, the SSD system continued to operate effectively as demonstrated by vacuum levels recorded in the normal range in the monitoring points. VP2 is frequently damaged by pallets during normal operations within the site building. VP2 was repaired and brought back on-line on September 15, 2025. During the 2025-2026 monitoring period a permanent control such as a bollard or pallet rack protector will be installed to prevent future damage.

The annual engineering certification inspection was completed on August 6, 2025. During the annual inspection, the system was found to be operating as designed with the SMP in place; however, VP-2 was cracked and in need of repair. No other repairs, maintenance, or intrusive activities were performed. The annual site inspection form, along with photographs taken during the inspection, is included in **Appendix I**.

Throughout the current monitoring period, vacuum levels in the vapor extraction points ranged from 6 in. WC to 35 in. WC with the exception of VP2 as described above. Permanent vapor monitoring points are not installed; however, testing of temporary vapor monitoring points in 2021 indicated that the target vacuum influence was achieved throughout the slab with the exception of a limited area in an unoccupied electrical storage/control room located only 12 feet from VP-1. Locations of the temporary monitoring points are shown in **Figure 9**.

The SSD system continues to operate as designed in the onsite building to reduce VOC concentrations in indoor air. The existing blower, a 10 hp GAST R7100R-50, may be replaced with a smaller blower in the future to reduce operating costs and minimize noise disturbance to building inhabitants while continuing to meet requirements for vacuum influence throughout the building slab. Continued SSD system operation is recommended with no change to the frequency of system inspections or sampling.

3.3 Groundwater Monitoring and Sampling

Quarterly groundwater monitoring and sampling was conducted on September 4, 2024, December 4, 2024, March 5, 2025, and June 16, 2025. During these monitoring events, groundwater elevation data were collected from BR-1, BR-2, BR-3, BR-13, and BR-15. No measurable product was observed in any of the wells during the current monitoring period. Field observations documented during the quarterly sampling events are summarized on the well sampling logs provided in **Appendix G.** Historical groundwater elevation trends in the five wells subject to the sampling program from pre-system startup to the most recent monitoring event are illustrated on **Chart 4.** From November 2015 through February 2020, BR-15 was not included in the monitoring program and therefore, there is a data gap present for this specific monitoring well. The historical groundwater monitoring data collected for all on-site and off-site monitoring wells are summarized in **Table 9** and for BR-1, BR-2, BR-3, BR-13, and BR-15 are summarized in **Table 14**. Groundwater contour maps are also provided for all quarterly sampling events as **Figures 5** through **8**.

A review of the water level data collected during the current monitoring period indicates that average groundwater elevations remain significantly lower than pre-system startup water levels, with drawdown ranging from 3.80 to 6.96 feet in upgradient wells BR-13 and BR-15 and averaging 6.07 feet in downgradient well BR-3. Drawdown in the recovery wells ranged from 1.47 to 8.82 feet in BR-1 and 3.60 to 8.62 feet in BR-2 over the reporting period. Since the recovery well pumps were repaired and GWP&T system modifications completed in 2020-2021, groundwater levels have been steadily decreasing in all upgradient and downgradient wells during 2021, 2022, 2023, 2024, and 2025, except during brief periods of system downtime. During the March 5, 2025 monitoring event groundwater elevations were higher than usual under pumping conditions attributable to the GWP&T system being shut down in February while repairs were made to the system piping.

3.4 Groundwater Quality

Historical chlorinated VOC (CVOC) concentration trends in all monitoring wells from pre-system startup to the most recent sampling event are provided in **Chart 5**, with historical CVOC concentration trends for each individual monitoring well provided in **Charts 6** through **10.** The historical groundwater analytical data are summarized in **Table 14**. Laboratory analytical data from the individual quarterly sampling events are provided in **Tables 10** through **13.** The complete laboratory reports for the Site wells subject to the sampling program for the current period are provided in **Appendix H.**

Total CVOC concentrations initially decreased in extraction well BR-1 at system startup; however, since that time, the total CVOC concentrations in BR-1 have fluctuated with an overall

downward trend since 2021. The average total CVOCs concentration throughout the current monitoring period has decreased from the previous 2023-2024 monitoring period, averaging 797 µg/L.

Total CVOC concentrations initially increased in extraction well BR-2 upon system startup and have since declined, exhibiting an overall stable to slightly decreasing trend. This decreasing trend in extraction well BR-2 has continued through the first three quarters of the current monitoring period, with a notable increase in CVOC concentrations observed during the June 2025 sampling event. The average total CVOCs concentration for the current monitoring period was 1,945 µg/L, an increase from the previous 2023-2024 monitoring period (1,783 µg/L).

Since system startup in 2015, the total CVOC concentrations in upgradient well BR-13 has generally showed an increasing trend with the greatest impacts recorded during March 2017 and March 2018. Since December 2022, the average total CVOC concentrations have been close to or below pre-system startup levels. The average total CVOC concentrations throughout the current monitoring period is similar to the previous 2023-2024 monitoring period and decreased significantly from the 2021-2022 monitoring period.

Upgradient monitoring well BR-15 and downgradient monitoring well BR-3 were added to the monitoring program in September 2022. Based on a limited number of sampling events completed prior to and soon after activation of the GWP&T system, total CVOC concentrations at BR-15 are higher than baseline levels, and total CVOC concentrations at BR-3 are negligible.

Groundwater contaminant concentrations are following an overall decreasing trend with some seasonal fluctuations with continued system operation. The leading edge of the groundwater plume currently lies between BR-1/BR-2 and BR-3, where total CVOC concentrations remain below 25 µg/L. Groundwater CVOC concentrations in BR-13 in the southern portion of the Site (the "Annex" property) remain low, totaling approximately 150 µg/L or less during each monitoring event with the exception of March 2025, while concentrations in upgradient well BR-15 ranged from 86 to 1,685 µg/L. Groundwater elevation data indicates that the GWP&T system is providing hydraulic containment of the groundwater plume across the Site, including on the ENRX Annex property.

4.0 CORRECTIVE MEASURES

During the 2024-2025 reporting period, regular maintenance such as backflushing the carbon vessels was completed for the GWP&T system. In addition, system process water piping was repaired as indicated above due to freezing and the bag filter housings deteriorating. SSD system bleed air filter was cleaned, and repairs were made to VP2. A portion of the Site cover system was repaved and monitoring wells repaired.

4.1 GWP&T System Completed Corrective Actions

In addition to the completed repairs and maintenance items completed by as identified on **Table 4**, the following corrective actions were completed during the 2024-2025 reporting period:

– **Carbon Backflushing:** In September 2025, the two (2) 400-lb. GAC units were backflushed.

4.2 Recommended Modifications to the GWP&T System

The GWP&T system continues to operate as designed to reduce contaminant concentrations in groundwater and to prevent off-site migration of contaminants. While still currently operational, the system trailer and extraction and treatment equipment is beginning to deteriorate due to age. Design of a replacement system is ongoing, and additional details will be provided during the 2025-2026 reporting period.

4.3 SSD System Completed Corrective Actions

In addition to the completed repairs and maintenance items completed by as identified on **Table 8,** the following corrective actions were completed during the 2024-2025 reporting period:

- **VP2 Repair:** On October 31, 2024 and September 15, 2025, the vapor extraction line to VP-2 was repaired.

4.4 Recommended Modifications to the SSD System

There are no outstanding maintenance and repair items recommended for the 2025-2026 reporting period. Initial vacuum data collected indicates that the blower for the SSD system is oversized; therefore, recommendations to downsize the system components in order to reduce energy consumption may be addressed at a future date. During the 2025-2026 monitoring period a permanent control such as a bollard or pallet rack protector will be installed around VP-2 to prevent future damage.

4.5 Cover System and Monitoring Well Completed Corrective Actions

As identified during the 2023-2024 annual site inspection and included in the 2023-2024 PRR, the following repairs were completed during the 2024-2025 reporting period. Documentation for the monitoring well decommissioning and cover repairs is included in **Appendix K** and **L,** respectively.

– **Cover**: On November 12-13, 2024, an approximate 4000 sqft area south of the Site building and an approximate 400 sqft area east of the Site building was repaved.
– **Monitoring Wells**: On October 31-November 1, 2024, monitoring wells BR-3, BR-6, BR-9, BR-11, BR-12, BR-14, BR-15 were repaired, and BR-5, BR-8, and BR-10 were decommissioned as per CP-43 requirements as detailed in the October 2024 Well Decommissioning Work Plan[24].

During the 2024-2025 annual site inspection three small areas with slight deterioration were identified on the ENRX Inc. – Voelker Analysis Site. In November 2025, these areas were repaired with a thin layer of asphalt to prevent further deterioration during the winter months. Photographs of the completed repair are included in **Appendix I.**

[24] "Well Decommissioning Work Plan; Revised, ENRX, Inc. – Voelker Analysis Site & ENRX Annex Site, NYSDEC BCP Site # C915150 & #C915325", prepared by Environmental Advantage, Inc., dated October 28, 2024. Approved via email by Veronica Kreutzer (NYSDEC) on October 29, 2024.

4.6 Recommended Modifications to the Cover System and/or Monitoring Wells

There are no outstanding maintenance and repair items recommended for the 2025-2026 reporting period.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The operation, maintenance, and monitoring activities are conducted in order to maintain compliance with the remedial goals established for both the main ENRX, Inc. – Voelker Analysis Site and ENRX Annex Site as stated in their site-specific Decision Documents dated December 15, 2015 and October 22, 2019, respectively. The primary conclusions derived from the monitoring program are summarized below:

- On-site operation, maintenance, and monitoring activities continue to be completed in general accordance with the procedures outlined in the SMP for each respective site. Based on the technical and analytical data collected during the reporting period, all aspects of the remedy continue to operate sufficiently.

- Semi-annual analytical discharge data for the reporting period indicates that the GWP&T system has been operating and discharging in accordance with the Buffalo Pollution Discharge Elimination System permitted discharge limits. Semi-annual mid-carbon analytical data for the reporting period indicates that carbon replacement is not warranted at this time. The GWP&T system continues to operate effectively to remove contaminants of concern.

- Based on quarterly groundwater elevation data collected during monitoring events, the GWP&T system is effectively maintaining hydraulic control over both the main ENRX, Inc. – Voelker Analysis Site and the ENRX Annex Site.

- Quarterly groundwater monitoring and sampling indicates total groundwater CVOCs concentrations have exhibited a decreasing trend in all wells since system startup in 2015, with the exception of BR-15.

- Semi-monthly vacuum data collected indicates that consistent vacuum levels in the vapor extraction points are being achieved, and the SSD system is effectively reducing VOCs concentrations in the indoor air.

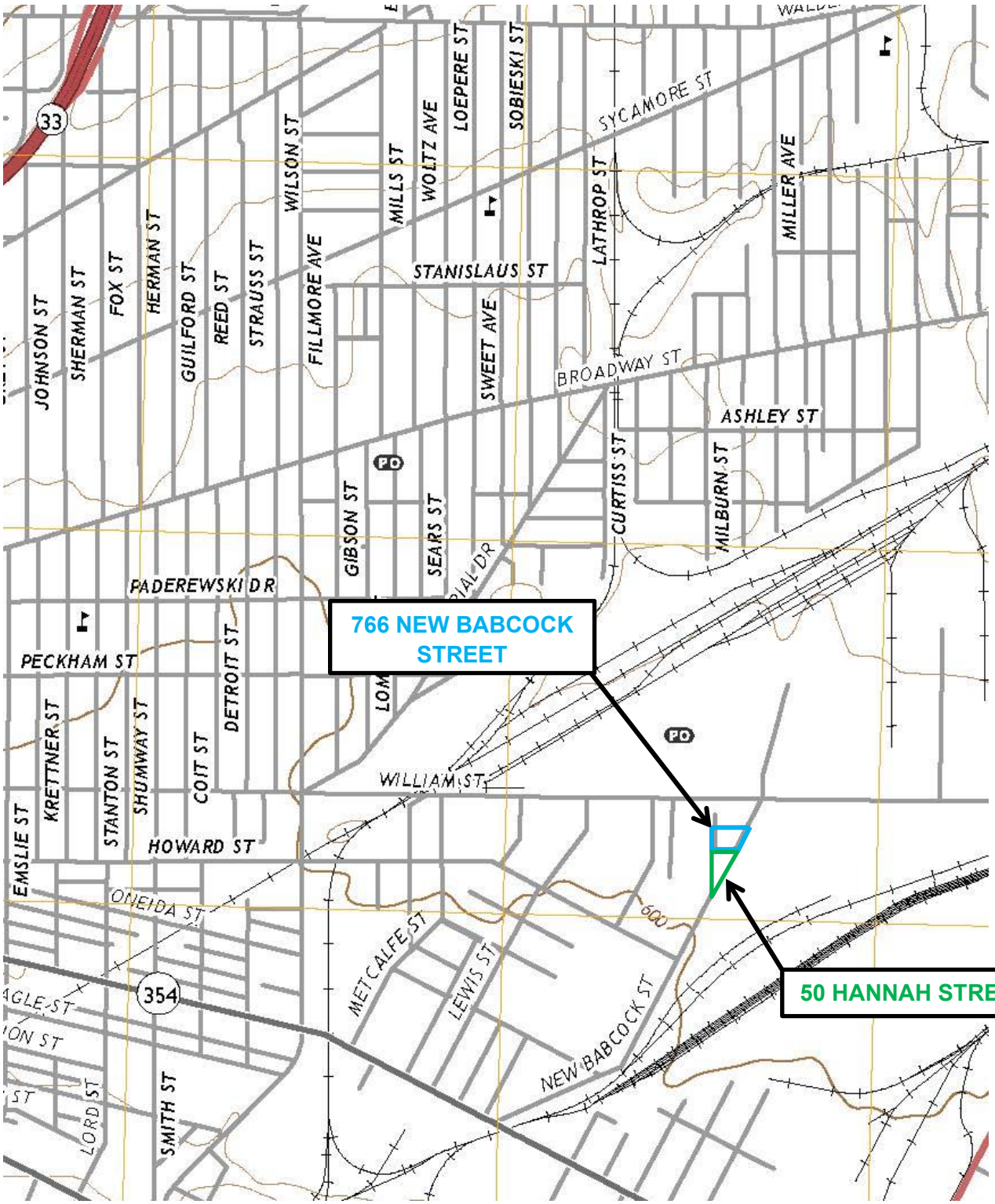
- Based on the Site inspection/engineering control evaluation completed in August 2025, the cover system is currently in adequate condition with no major defects and is effectively preventing human contact with any remaining contaminants below the cover system.

- PRRs will continue to be submitted on an annual basis. The ENRX, Inc. – Voelker Analysis Site (BCP Site # C915150) and ENRX Annex Site (BCP Site # C915325) will

continue to be evaluated in one combined PRR for the 2025-2026 reporting period due to the shared engineering controls.

- The GWP&T system is beginning to deteriorate, design of a replacement system is ongoing, and additional details will be provided during the 2025-2026 reporting period.

FIGURES

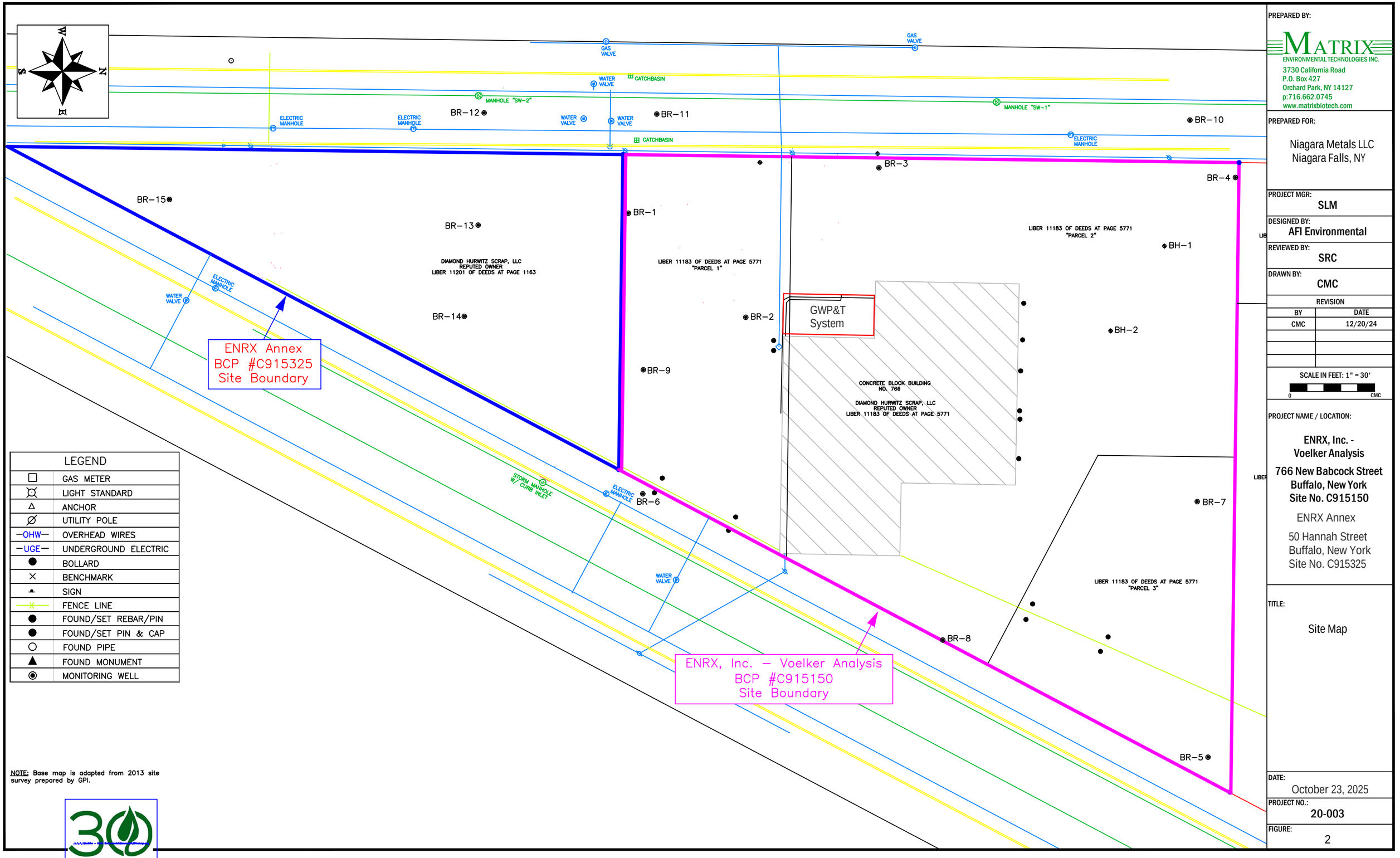


THIS DRAWING IS FOR ILLUSTRATIVE AND INFORMATIONAL PURPOSES ONLY
AND WAS ADAPTED FROM USGS, BUFFALO (NE) NEW YORK QUADRANGLE (2019).

MATRIX ENVIRONMENTAL TECHNOLOGIES INC.

SITE LOCATION MAP
FORMER ENRX, INC. – VOELKER ANALYSIS SITE C915150
766 NEW BABCOCK STREET, BUFFALO, NEW YORK
ENRX ANNEX SITE C915325
50 HANNAH STREET, BUFFALO, NEW YORK

DRAWN BY: MS	SCALE: NOT TO SCALE	PROJECT: 20.003
CHECKED BY: CMC	DATE: 10/2025	FIGURE NO: 1



LEGEND	
☐	GAS METER
⊠	LIGHT STANDARD
△	ANCHOR
⌀	UTILITY POLE
—OHW—	OVERHEAD WIRES
—UGE—	UNDERGROUND ELECTRIC
●	BOLLARD
×	BENCHMARK
▲	SIGN
—×—	FENCE LINE
●	FOUND/SET REBAR/PIN
●	FOUND/SET PIN & CAP
○	FOUND PIPE
▲	FOUND MONUMENT
◉	MONITORING WELL

NOTE: Base map is adapted from 2013 site survey prepared by GPI.

30 years dedicated to a CLEANER ENVIRONMENT 1991-2021

PREPARED BY:

MATRIX
ENVIRONMENTAL TECHNOLOGIES INC.
3730 California Road
P.O. Box 427
Orchard Park, NY 14127
p:716.662.0745
www.matrixbiotech.com

PREPARED FOR:

Niagara Metals LLC
Niagara Falls, NY

PROJECT MGR: SLM

DESIGNED BY: AFI Environmental

REVIEWED BY: SRC

DRAWN BY: CMC

REVISION	
BY	DATE
CMC	12/20/24

SCALE IN FEET: 1" = 30'

0 CMC

PROJECT NAME / LOCATION:

ENRX, Inc. - Voelker Analysis
766 New Babcock Street
Buffalo, New York
Site No. C915150

ENRX Annex
50 Hannah Street
Buffalo, New York
Site No. C915325

TITLE:

Site Map

DATE: October 23, 2025

PROJECT NO.: 20-003

FIGURE: 2

LEGEND

= GATE VALVE
= CHECK VALVE
= BALL VALVE
= QUICK DISCONNECT
= PRESSURE REGULATOR
= FILTER
= ELECTRIC CONTROL LINES
= TEMPERATURE GAUGE
= VACUUM GAUGE
= PRESSURE GAUGE
= SWITCH
= ALARM
= FLOW TOTALIZER
= REDUCER

OUTSIDE OF SYSTEM ENCLOSURE
1–INCH DIA. SCH 40 PVC
P–1
P–2
BR–1
BR–2
INFLUENT BAG FILTER
FQI 400
N.O.
P
N.C.
EQUALIZATION TANK 160 GAL. CAPACITY
LS
TP1 ON
TP1 OFF
LIQUID LINE 2–INCH DIA. SCH 40 PVC
TRANSFER PUMP #2 MOYNO 35601
TRANSFER PUMP #1 MOYNO 35601
FQI 500
PROGRAMMABLE LOGIC CONTROLLER
COMPRESSOR INGERSOLL RAND #061009001
PARTICULATE AND COALESCING FILTERS
FILTER SILENCER SOLBERG FS–15–100
BAG FILTER F–501
BAG FILTER F–701
VAPOR LINE
Discharge to the Atmosphere
EFFLUENT RECIRCULATION LINE
TP2 OFF
TP3 ON
TP3 OFF
PS
AIR STRIPPER
TRANSFER PUMP #3 MOYNO 36701
Air From Outside the Trailer
AIR STRIPPER BLOWER TWIN CITY FAN & BLOWER TBNA–SW
BAG FILTER F–502
BAG FILTER F–702
FQI 603
AQUA 400 HP
400 LB LIQUID PHASE CARBON VESSEL
SP–002
SP–001
FQI effluent
REAR OFFICE ROOM OUTSIDE OF SYSTEM ENCLOSURE
Discharge to Sanitary Sewer at Hannah Street
Interior Sewer Line (4")

30 years dedicated to a CLEANER ENVIRONMENT 1991-2021

PREPARED BY:

MATRIX ENVIRONMENTAL TECHNOLOGIES INC.
3730 California Road
P.O. Box 427
Orchard Park, NY 14127
p:716.662.0745
www.matrixbiotech.com

PREPARED FOR:

Niagara Metals LLC
Niagara Falls, NY

PROJECT MGR: SLM

DESIGNED BY: AFI Environmental

REVIEWED BY: SLM

DRAWN BY: CMC

REVISION	
BY	DATE
CMC	6/27/24

SCALE IN FEET: N/A
0 N/A

PROJECT NAME / LOCATION:

766 New Babcock Street
Buffalo, New York

NYSDEC BCP
Site #C915150

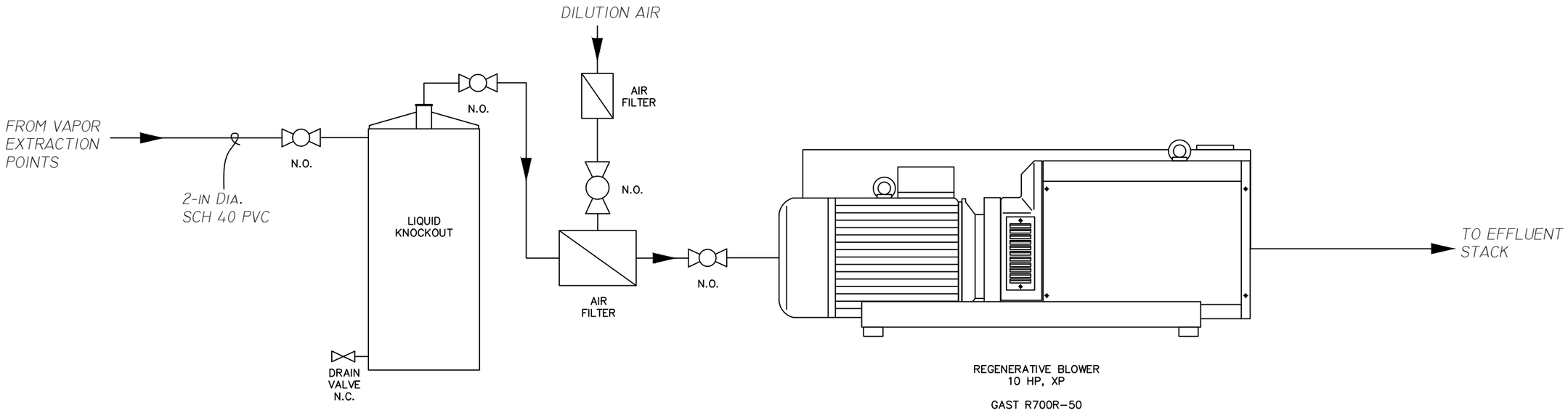
TITLE:

Groundwater Pump-and-Treat System Process & Instrumentation Diagram

DATE: N/A

PROJECT NO.: 20-003

FIGURE: 3



PREPARED BY:

MATRIX
ENVIRONMENTAL TECHNOLOGIES INC.
3730 California Road
P.O. Box 427
Orchard Park, NY 14127
p:716.662.0745
www.matrixbiotech.com

PREPARED FOR:

Niagara Metals LLC
Niagara Falls, NY

PROJECT MGR: SLM

DESIGNED BY: AFI Environmental

REVIEWED BY: SLM

DRAWN BY: CMC

REVISION	
BY	DATE
CMC	3/25/21

SCALE IN FEET: N/A

0 N/A

PROJECT NAME / LOCATION:

766 New Babcock Street
Buffalo, New York

NYSDEC BCP
Site #C915150

TITLE:

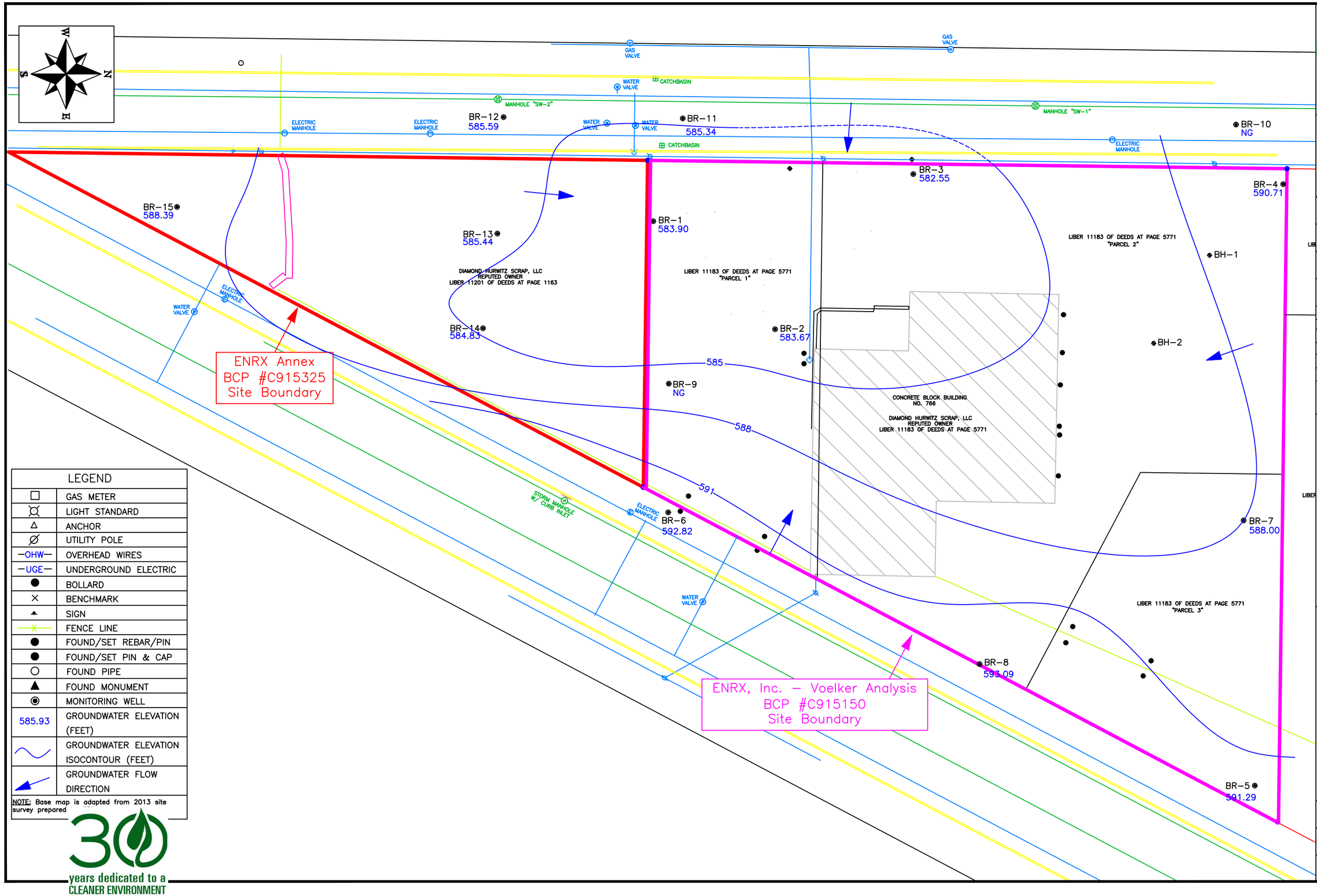
Sub-Slab
Depressurization System
Process & Instrumentation
Diagram

DATE: N/A

PROJECT NO.: 20-003

FIGURE: 4

30 years dedicated to a CLEANER ENVIRONMENT 1991-2021



LEGEND	
□	GAS METER
⊠	LIGHT STANDARD
△	ANCHOR
⌀	UTILITY POLE
—OHW—	OVERHEAD WIRES
—UGE—	UNDERGROUND ELECTRIC
●	BOLLARD
×	BENCHMARK
▲	SIGN
—×—	FENCE LINE
●	FOUND/SET REBAR/PIN
●	FOUND/SET PIN & CAP
○	FOUND PIPE
▲	FOUND MONUMENT
◉	MONITORING WELL
585.93	GROUNDWATER ELEVATION (FEET)
~	GROUNDWATER ELEVATION ISOCONTOUR (FEET)
➘	GROUNDWATER FLOW DIRECTION

NOTE: Base map is adapted from 2013 site survey prepared

30 years dedicated to a CLEANER ENVIRONMENT 1991-2021

PREPARED BY:

MATRIX
ENVIRONMENTAL TECHNOLOGIES INC.
3730 California Road
P.O. Box 427
Orchard Park, NY 14127
p:716.662.0745
www.matrixbiotech.com

PREPARED FOR:

Environmental Advantage, Inc.

PROJECT MGR:
SLM

DESIGNED BY:
AFI Environmental

REVIEWED BY:
SRC

DRAWN BY:
CMC

REVISION	
BY	DATE
CMC	12/20/24

SCALE IN FEET: 1" = 30'

0 CMC

PROJECT NAME / LOCATION:

ENRX, Inc. - Voelker Analysis

766 New Babcock Street
Buffalo, New York
Site No. C915150

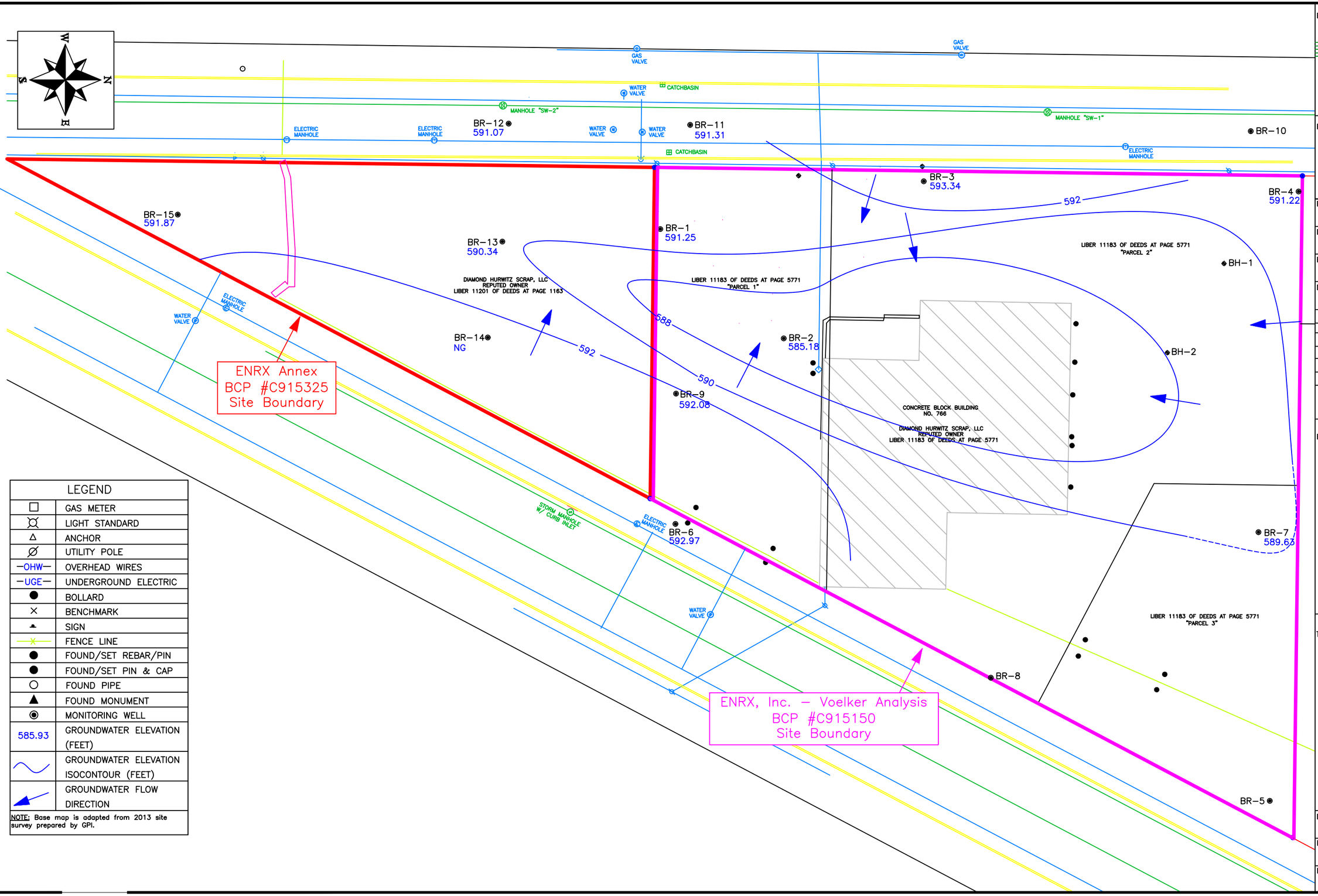
TITLE:

Groundwater Elevation Contour Map

DATE:
September 4, 2024

PROJECT NO.:
20-003

FIGURE:
5



LEGEND	
□	GAS METER
⊠	LIGHT STANDARD
△	ANCHOR
⌀	UTILITY POLE
—OHW—	OVERHEAD WIRES
—UGE—	UNDERGROUND ELECTRIC
●	BOLLARD
×	BENCHMARK
▬	SIGN
—×—	FENCE LINE
●	FOUND/SET REBAR/PIN
●	FOUND/SET PIN & CAP
○	FOUND PIPE
▲	FOUND MONUMENT
◉	MONITORING WELL
585.93	GROUNDWATER ELEVATION (FEET)
~	GROUNDWATER ELEVATION ISOCONTOUR (FEET)
➘	GROUNDWATER FLOW DIRECTION

NOTE: Base map is adapted from 2013 site survey prepared by GPI.

PREPARED BY:
MATRIX
ENVIRONMENTAL TECHNOLOGIES INC.
3730 California Road
P.O. Box 427
Orchard Park, NY 14127
p:716.662.0745
www.matrixbiotech.com

PREPARED FOR:
Niagara Metals LLC
Niagara Falls, NY

PROJECT MGR:
MS

DESIGNED BY:
AFI Environmental

REVIEWED BY:
SRC

DRAWN BY:
CMC

REVISION

BY	DATE
NSA	9/4/25

SCALE IN FEET: 1" = 30'
0 CMC

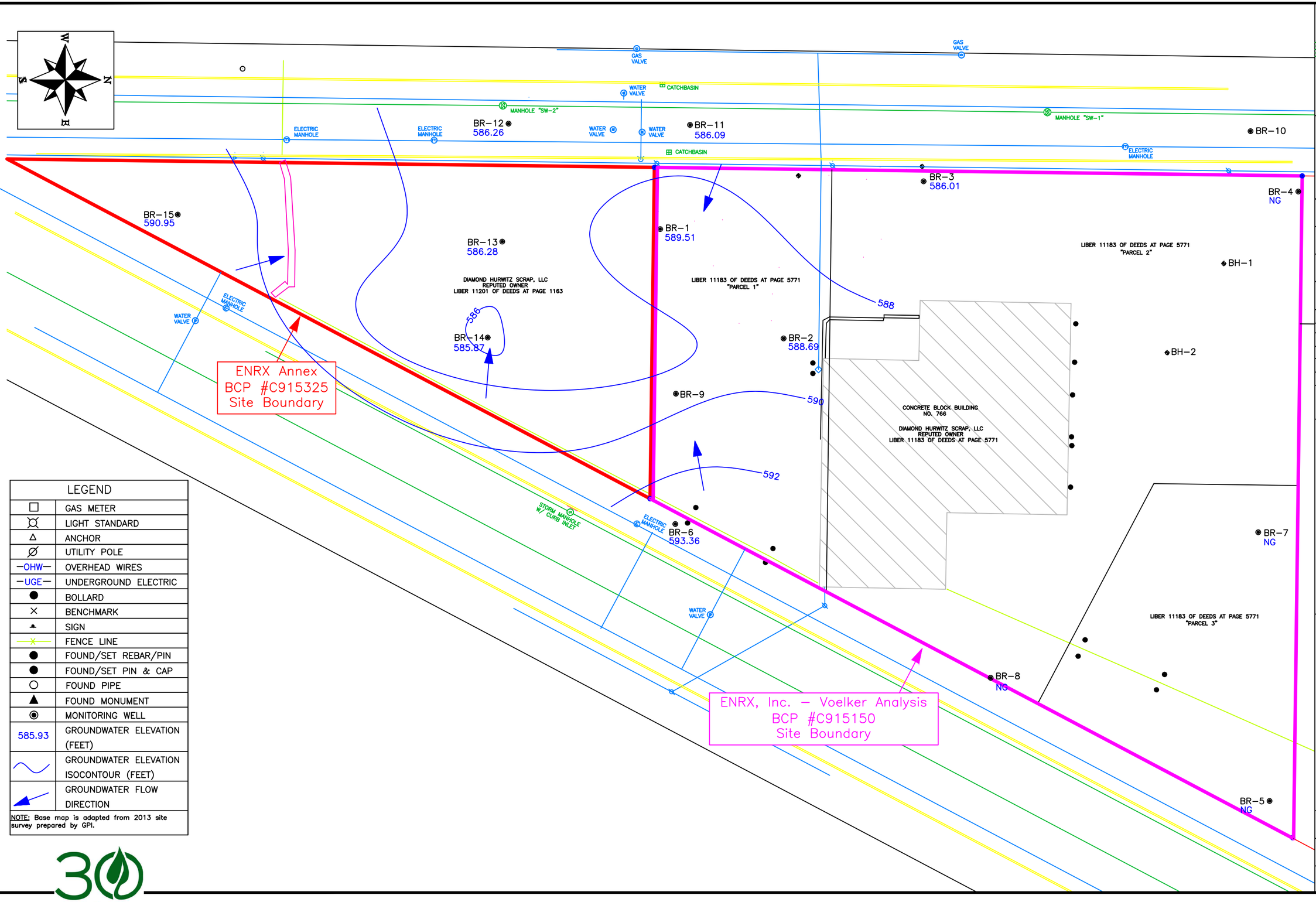
PROJECT NAME / LOCATION:
ENRX, Inc. - Voelker Analysis & Annex Site
766 New Babcock Street & 50 Hannah Street
Buffalo, New York
Site No. C915150 & C915325

TITLE:
Groundwater Elevation Contour Map

DATE:
December 4, 2024

PROJECT NO.:
20-003

FIGURE:
6



LEGEND	
□	GAS METER
⊠	LIGHT STANDARD
△	ANCHOR
⌀	UTILITY POLE
—OHW—	OVERHEAD WIRES
—UGE—	UNDERGROUND ELECTRIC
●	BOLLARD
×	BENCHMARK
▬	SIGN
—×—	FENCE LINE
●	FOUND/SET REBAR/PIN
●	FOUND/SET PIN & CAP
○	FOUND PIPE
▲	FOUND MONUMENT
◉	MONITORING WELL
585.93	GROUNDWATER ELEVATION (FEET)
~	GROUNDWATER ELEVATION ISOCONTOUR (FEET)
➘	GROUNDWATER FLOW DIRECTION

NOTE: Base map is adapted from 2013 site survey prepared by GPI.

30 years dedicated to a CLEANER ENVIRONMENT 1991-2021

PREPARED BY:

MATRIX
ENVIRONMENTAL TECHNOLOGIES INC.
3730 California Road
P.O. Box 427
Orchard Park, NY 14127
p:716.662.0745
www.matrixbiotech.com

PREPARED FOR:

Niagara Metals LLC
Niagara Falls, NY

PROJECT MGR: SLM

DESIGNED BY: AFI Environmental

REVIEWED BY: SRC

DRAWN BY: CMC

REVISION	
BY	DATE
CMC	5/8/25

SCALE IN FEET: 1" = 30'

0 CMC

PROJECT NAME / LOCATION:

ENRX, Inc. - Voelker Analysis & Annex Site

766 New Babcock Street & 50 Hannah Street
Buffalo, New York

Site No. C915150 & C915325

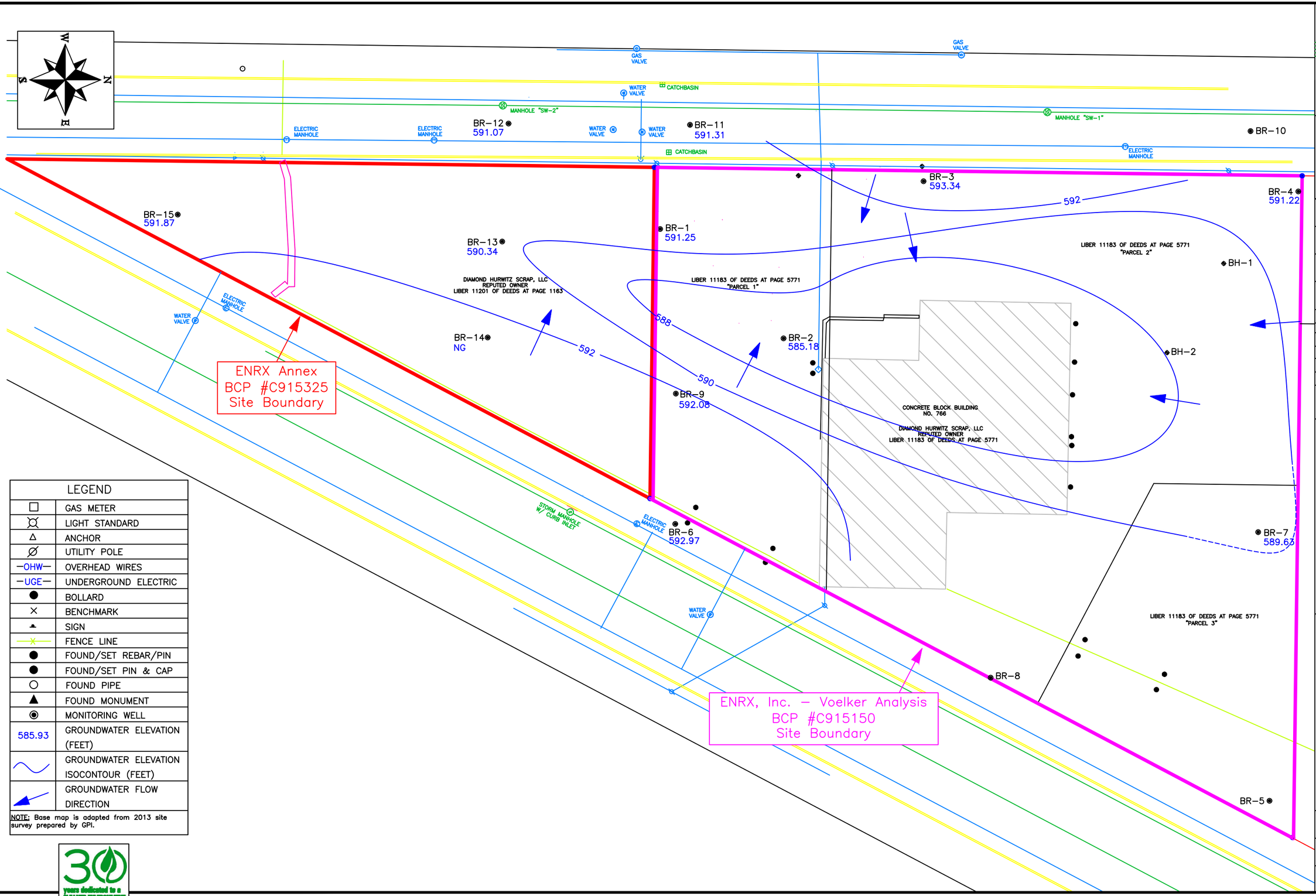
TITLE:

Groundwater Elevation Contour Map

DATE: March 5, 2025

PROJECT NO.: 20-003

FIGURE: 7



LEGEND	
□	GAS METER
⊠	LIGHT STANDARD
△	ANCHOR
⌀	UTILITY POLE
—OHW—	OVERHEAD WIRES
—UGE—	UNDERGROUND ELECTRIC
●	BOLLARD
×	BENCHMARK
▲	SIGN
—×—	FENCE LINE
●	FOUND/SET REBAR/PIN
●	FOUND/SET PIN & CAP
○	FOUND PIPE
▲	FOUND MONUMENT
◉	MONITORING WELL
585.93	GROUNDWATER ELEVATION (FEET)
~	GROUNDWATER ELEVATION ISOCONTOUR (FEET)
➘	GROUNDWATER FLOW DIRECTION

NOTE: Base map is adapted from 2013 site survey prepared by GPI.

30 years dedicated to a CLEANER ENVIRONMENT 1991-2021

PREPARED BY:

MATRIX ENVIRONMENTAL TECHNOLOGIES INC.
3730 California Road
P.O. Box 427
Orchard Park, NY 14127
p:716.662.0745
www.matrixbiotech.com

PREPARED FOR:

Niagara Metals LLC
Niagara Falls, NY

PROJECT MGR: MS

DESIGNED BY: AFI Environmental

REVIEWED BY: SRC

DRAWN BY: CMC

REVISION	
BY	DATE
NSA	9/8/25

SCALE IN FEET: 1" = 30'

0 CMC

PROJECT NAME / LOCATION:

ENRX, Inc. - Voelker Analysis & Annex Site

766 New Babcock Street & 50 Hannah Street Buffalo, New York

Site No. C915150 & C915325

TITLE:

Groundwater Elevation Contour Map

DATE: June 16, 2025

PROJECT NO.: 20-003

FIGURE: 8

N

HANNAH STREET

HANNAH STREET

BR-12

BR-11

BR-10

BR-3

BR-4

BR-15

BR-13

BR-1

BR-14

BR-2

BR-9

BR-6

BR-7

BR-8

BR-5

CONCRETE BARRIER

GAS

ENRX Annex
BCP #C915325
Site Boundary

REMEDIATION SYSTEM TRAILER

CONCRETE BLOCK BUILDING
NO. 766

ENRX, INC.

VP-3
MP-3
MP-9
MP-5
VP-2
MP-1
MP-8
MP-10
MP-11
MP-2
MP-12
MP-4
MP-7
MP-14
VP-1A
VP-1
MP-13
MP-6

ENRX, Inc. - Voelker Analysis
BCP #C915150
Site Boundary

NEW BABCOCK STREET

NEW BABCOCK STREET

LEGEND

- BR-14 - BEDROCK WELL
- VP-3 - SSDS VENT POINT
- - SSDS PIPING
- MP-3 - VAPOR MONITORING POINT (4/5/21)
- MP-8 - VAPOR MONITORING POINT (6/8/21)

30 years dedicated to a CLEANER ENVIRONMENT 1991-2021

PREPARED BY:

MATRIX
ENVIRONMENTAL TECHNOLOGIES INC.
3730 California Road
P.O. Box 427
Orchard Park, NY 14127-0427
p:716.662.0745
www.matrixbiotech.com

PREPARED FOR:

Niagara Metals, LLC
Niagara Falls, NY

PROJECT MGR: MMS

DESIGNED BY: CMC

REVIEWED BY: SLM

DRAWN BY: CMC

REVISION	
BY	DATE
CMC	4/2/24
CMC	9/9/26

SCALE IN FEET: 1" = 30

0 30

PROJECT NAME / LOCATION:

766 New Babcock Street
Buffalo, New York

NYSDEC BCP Site
#C915150

TITLE:

Sub-Slab
Depressurization
System Layout

DATE:

PROJECT NO.: 20-023

FIGURE: 9

TABLES

Table 1
Summary of Engineering and Institutional Controls
ENRX, Inc. - Voelker Analysis & ENRX Annex Site
766 New Babcock Street & 50 Hannah Street, Buffalo, New York 14206
NYSDEC BCP Sites C915150 & C915325

Controls	Description	Monitoring Program	Monitoring Frequency (SMP)	Deficiencies
Land Use Restriction	The property may be used for commercial or industrial use. The use of groundwater underlying the Site is prohibited. Vegetable gardens and farming on the Site are prohibited.	Monitored during routine site visits and cover inspections.	Semi-Monthly in concert with O&M activities: Semi-Monthly Site Checks	None Noted
Monitoring Plan	A bedrock groundwater monitoring program is implemented on site. The program monitors the effectiveness of the remedy and allows for evaluation of the need for continued groundwater extraction and treatment.	Groundwater monitoring and sampling of extraction wells and select monitoring wells.	Quarterly Groundwater Monitoring and Sampling	None Noted
O&M Plan	The O&M program includes post-remedial activities that will be conducted to ensure the effectiveness of the groundwater treatment system and SSD system. The program describes groundwater monitoring, GWP&T and SSD system O&M procedures, cover inspections, and reporting requirements.	Monitored during routine site visits.	O&M Plan and SOPs are reviewed/updated annually.	None Noted
Cover System	A physical cap covers the entire site. This barrier consists of asphalt pavement, concrete-covered sidewalks and driveways, and the concrete building slabs.	Monitored during routine site visits and cover inspections.	Semi-Monthly and Annually in concert with O&M activities: Semi-Monthly Site Checks Annual Inspection and PE Certification	None Noted
Fencing/Access Control	Adequate fencing/access control is necessary to prohibit entrance to the site by the general public.	The Site utilizes perimeter fencing and 24-hour security cameras, which are monitored during routine site visits and cover inspections.	Semi-Monthly and Annually in concert with O&M activities: Semi-Monthly Site Checks Annual Inspection and PE Certification	None Noted
Groundwater Containment and Treatment	The groundwater extraction system is operating to maintain an inward flow of groundwater in order to prevent off-site migration of contaminated groundwater.	Monitored by routine gauging of extraction and select monitoring wells.	Semi-Monthly and Quarterly in concert with O&M activities: Semi-Monthly Site Checks Quarterly Groundwater Monitoring and Sampling	None Noted
Sub-Slab Depressurization (SSD) System (766 New Babcock Only)	The SSD system is designed to create a negative pressure below the on-Site building in order to prevent impact to indoor air quality.	Monitored during routine site visits.	Semi-Monthly and Annually in concert with O&M activities: Semi-Monthly Site Checks and Vacuum Gauging Annual Inspection and PE Certification	None Noted
Groundwater Pump & Treat (GWP&T) System	Groundwater is pumped from two extraction wells and treated via oil/water separatation, air stripping, bag filtration, and carbon filtration prior to discharge to the sewer system.	Monitored during routine site visits and with the collection and analyses of treatment system discharge samples. Sampling is completed in accordance with the site specific discharge permit.	Semi-Monthly, Quarterly and Semi-Annually in concert with O&M activities: Semi-Monthly Site Checks Quarterly Influent Sampling Quarterly Post Air Stripper Sampling Semi-annual B/T Carbon Sampling (off quarters of BSA Sampling) Semi-annual BSA Discharge Sampling Annual Inspection and PE Certification	None Noted

Table 2

Groundwater Pump-and-Treat System Operational Data and Recovery

September 1, 2024 - August 31, 2025

ENRX, Inc. – Voelker Analysis & Annex Site

766 New Babcock Street & 50 Hannah Shreet

Buffalo, New York 14206

Site ID. C915150 & C915325

Date	Days in Period	System Status at Inspection	Percent Operational for Period	Effluent Totalizer Reading (gal)	FQI-500 Totalizer Reading (gal)	FQI-603 Totalizer Reading (gal)	Average Flow Rate Per Period (GPD)	Cumulative Recovery (gal)	System Influent VOCs (ug/L)	VOCs Recovered in Period (lbs.)
7/8/2024	19	ON	100%	1,027,955	615,556		1,018	2,994,226		
7/26/2024	18	ON	100%	1,042,917	630,684		831	3,009,188		
8/7/2024	12	ON	100%	1,049,128	636,913		518	3,015,399		
8/21/2024	14	ON	100%	1,056,289	644,110		512	3,022,560		
9/11/2024	21	ON	100%	1,075,081	662,820		895	3,041,352		
9/23/2024	12	ON	100%	1,086,900	674,807		985	3,053,171	1,108	0.72
10/8/2024	15	ON	100%	1,100,144	687,936	29,526	883	3,066,415		
10/23/2024	15	ON	100%	1,112,311	700,304	38,486	811	3,078,582		
10/31/2024	8	ON	100%	1,119,168	707,117	43,353	857	3,085,439		
11/8/2024	8	ON	100%		713,849	48,188				
11/21/2024	13	ON	100%	1,125,708	713,849	48,247	311	3,091,979		
12/3/2024	12	ON	100%	1,132,931	721,109	53,474	602	3,099,202		
12/19/2024	16	ON	100%	1,146,255	734,607	63,379	833	3,112,526	613	0.30
1/6/2025	18	ON	100%	1,161,308	750,833	74,192	836	3,127,579		
1/20/2025	14	ON	100%	1,171,903	761,940	81,330	757	3,138,174		
2/12/2025	23	OFF	<100%	1,174,529	764,774	83,109	114	3,140,800		
2/25/2025	13	OFF	0%	1,174,529	764,774	83,109	0	3,140,800		
3/5/2025	8	ON	100%	1,182,076	772,926	88,246	943	3,148,347		
3/17/2025	12	ON	100%	1,193,828	785,931	96,330	979	3,160,099	770	0.31
4/2/2025	16	ON	100%	1,209,563	802,569	106,091	983	3,175,834		
4/16/2025	14	OFF	<100%	1,219,975	814,050	114,295	744	3,186,246		
5/9/2025	23	OFF	0%	1,219,975		114,295	0	3,186,246		
5/27/2025	18	ON	100%	1,232,995		123,065	723	3,199,266		
6/13/2025	17	ON	100%	1,246,375		133,909	787	3,212,646		
6/30/2025	17	ON	100%	1,261,804		144,377	908	3,228,075	1,562	0.89
7/17/2025	17	ON	100%	1,276,796		154,437	882	3,243,067		
7/30/2025	13	ON	100%	1,286,379		160,844	737	3,252,650		
8/5/2025	6	ON	100%	1,291,257		164,117	813	3,257,528		
8/21/2025	16	ON	100%	1,303,713		172,704	779	3,269,984		

NOTES:

Blank space indicates that data was not collected.

Recovery is calculated using data from the effluent totalizer.

FQI-500 is located post-equilization tanks.

FQI-603 is located post-air stripper.

FQI-500 was not functional from 5/9/25 through the end of the reporting period.

Table 3

Groundwater Pump-and-Treat System VOC Recovery to Date

ENRX, Inc. – Voelker Analysis & Annex Site

766 New Babcock Street & 50 Hannah Street

Buffalo, New York 14206

Site ID. C915150 & C915325

Date	System Influent VOCs (ug/L)	Cumulative Recovery (gal)	Recovery Per Period (gal)	VOC Recovery Per Period (lbs.)	VOC Recovery (lbs/day)	Cumulative VOC Recovery (lbs)
1/25/16	3,332	108,126				
3/25/16	3,549	178,175	70,049	2.07	0.035	2.07
6/24/16	2,785	321,989	143,814	3.34	0.037	5.42
9/30/16	2,622	411,400	89,411	1.96	0.020	7.37
12/23/16	3,852	511,851	100,451	3.23	0.038	10.60
3/13/17	1,985	600,584	88,733	1.47	0.018	12.07
6/26/17	2,286	717,198	116,614	2.22	0.021	14.30
9/25/17	1,351	797,377	80,179	0.90	0.010	15.20
12/15/17	565	892,348	94,971	0.45	0.006	15.65
3/19/18	1,512	966,604	74,256	0.94	0.010	16.59
9/21/18	1,377	1,145,592	178,988	2.06	0.011	18.64
11/30/18	1,157	1,204,192	58,600	0.57	0.008	19.21
3/20/19	1,915	1,330,400	126,208	2.02	0.018	21.22
7/8/19	1,371	1,468,430	138,030	1.58	0.014	22.80
9/27/19	2,861	1,543,708	75,278	1.80	0.022	24.60
12/22/19	863	1,641,343	97,635	0.70	0.008	25.30
1/31/20	975	1,690,412	49,069	0.40	0.010	25.70
2/24/20	792	1,718,227	27,815	0.18	0.008	25.89
4/6/20	734	1,735,031	16,804	0.10	0.002	25.99
6/25/20	536	1,805,846	70,815	0.32	0.004	26.31
9/22/20	750	1,889,499	83,653	0.52	0.006	26.83
12/8/20	273	1,908,222	18,723	0.04	0.001	26.87
3/10/21	1,111	1,955,783	47,561	0.44	0.005	27.31
6/30/21	906	2,052,332	96,550	0.73	0.007	28.04
9/23/21	810	2,141,559	89,226	0.60	0.007	28.65
12/10/21	1,082	2,226,135	84,577	0.76	0.010	29.41
3/17/22	2,090	2,320,444	94,308	1.64	0.017	31.06
6/24/22	1,853	2,427,798	107,354	1.66	0.017	32.72
9/9/22	1,079	2,503,545	75,747	0.68	0.009	33.40
12/22/22	839	2,592,706	89,161	0.62	0.006	34.02
3/20/23	1,160	2,687,042	94,336	0.91	0.010	34.93
6/22/23	1,130	2,736,788	49,746	0.47	0.005	35.40
9/26/23	813	2,822,185	85,397	0.58	0.006	35.98
12/21/23	635	2,897,300	75,116	0.40	0.005	36.38
3/20/24	1,269	2,950,504	53,203	0.56	0.006	36.94
6/19/24	1,007	2,974,889	24,385	0.20	0.002	37.15
9/23/24	1,108	3,053,171	78,282	0.72	0.004	37.67
12/19/24	613	3,112,526	59,355	0.30	0.002	37.45
3/17/25	770	3,160,099	47,573	0.31	0.002	37.97
6/30/25	1,562	3,228,075	67,976	0.89	0.005	38.34

Table 4
GWP&T System Maintenance and Repair Summary
September 1, 2024 - September 15, 2025
ENRX, Inc. – Voelker Analysis
766 New Babcock Street
Buffalo, New York 14206
Site ID. C915150

Groundwater Pump and Treat System	
Date	Description
8/7/2024	Semi-monthly system inspection. The system was operational upon arrival, although the down-well pump in BR-1 was not operational. It was noted that the post-air stripper totalizer (FQI-603) battery was dead and requires replacement. System operational data was recorded. The system was operational upon departure.
8/21/2024	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent, post-air stripper, and pre-carbon bag filters were replaced. The system was operational upon departure. BR-1 down-well pump was jammed up upon arrival, pump was removed, cleaned, and restarted.
9/4/2024	**Quarterly groundwater and system sampling was completed by Environmental Advantage, Inc.**
9/11/2024	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent bag filter was replaced. The system was operational upon departure.
9/23/2024	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent and post-air stripper bag filters were replaced. The system was operational upon departure.
10/8/2024	**BSA discharge sampling was completed by Environmental Advantage, Inc.** Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The system was operational upon departure.
10/23/2024	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent, post-air stripper, and pre-carbon bag filters were replaced. The system was operational upon departure.
10/31/2024	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent bag filter was replaced. The system was operational upon departure. BR-1 down-well pump was not running upon arrival, pump was cleaned and restarted.
11/8/2024	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent and post-air stripper bag filters were replaced. The system was operational upon departure.
11/21/2024	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent bag filter was replaced. The system was operational upon departure. BR-1 and BR-2 down-well pumps were jammed upon arrival, the pumps were pulled and restarted.
12/3/2024	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent, post-air stripper, and pre-carbon bag filters were replaced. The system was operational upon departure. BR-1 down-well pump was jammed upon arrival, the pump was loosed and restarted.
12/4/2024	**Quarterly groundwater and system sampling and semi-annual mid-carbon sampling was completed by Environmental Advantage, Inc.**
12/19/2024	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The system was operational upon departure.
1/6/2025	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent, post-air stripper, and pre-carbon bag filters were replaced. The system was operational upon departure.
1/20/2025	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent bag filter was replaced. The system was operational upon departure.
2/12/2025	Semi-monthly system inspection. The system was not operational upon arrival. System operational data was recorded. The influent and post-air stripper bag filters were replaced. The system was not operational upon departure. GWP&TS lines frozen, heat trace was unplugged from outlet. Started to defrost lines, but piping began to leak water when defrosted, will need repair. System deactivated.
2/25/2025	Semi-monthly system inspection. The system was not operational upon arrival. System operational data was recorded. The system was operational upon departure. GWP&TS lines repaired, system reactivated and monitored for proper operation.
3/1/2025	**METI replaces Environmental Advantage, Inc. as consultant for all BCP related matters.**
3/5/2025	**Quarterly groundwater and system sampling was completed by METI.** Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent bag filter was replaced. The system was operational upon departure.
3/17/2025	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent bag filter was replaced. The system was operational upon departure.
4/2/2025	**BSA discharge sampling was completed by METI.** Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent, post-air stripper, and pre-carbon bag filters were replaced. The system was operational upon departure. Post-OWS/equalization tanks Monyo transfer pump (# 500) pumping slow upon arrival, pump was swapped out with backup pump.
4/16/2025	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The system was not operational upon departure. GWP&TS was leaking water from a broken fitting to primary bag filter housing (housing collapsed due to deterioration). Deactivated system so that repairs could be made.
5/9/2025	Semi-monthly system inspection. The system was not operational upon arrival. System operational data was recorded. The influent bag filter was were replaced. The system was operational upon departure. Replaced legs of primary bag filter housing. Repaired broken influent piping. System reactivated and monitored for proper operation. Post-OWS/Equalizer Tank totalizer battery dead (FQI-500), will need replacement as batteries are obsolete.
5/27/2025	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent, post-air stripper, and pre-carbon bag filters were replaced. The system was operational upon departure.
6/13/2025	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent, post-air stripper, and pre-carbon bag filters were replaced. The system was operational upon departure. Secondary Bag filter housing was leaking due to deterioration. Secondary bag filter bypassed.
6/16/2025	**Quarterly groundwater and system sampling was completed by METI**
6/30/2025	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent, post-air stripper, and pre-carbon bag filters were replaced. The system was operational upon departure.
7/17/2025	**Mid-carbon sampling was completed by METI.** Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent bag filter was replaced. The system was operational upon departure.
7/23/2025	Completed system repairs to emergency stop alarm.
7/30/2025	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The system was operational upon departure.
8/5/2025	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent, post-air stripper, and pre-carbon bag filters were replaced. The system was operational upon departure.
8/6/2025	**Annual Engineering Control and Cover Inspection completed by METI**
8/21/2025	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent bag filter was replaced. The system was operational upon departure.
9/4/2025	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent, post-air stripper, and pre-carbon bag filters were replaced. The system was operational upon departure. Backflushed carbon due to high pressure recorded during previous O&M site check.
9/15/2025	Semi-monthly system inspection. The system was operational upon arrival. System operational data was recorded. The influent bag filter was replaced. The system was operational upon departure.

Table 5

Groundwater Pump-and-Treat System Sampling Analytical Results (μg/L)

ENRX, Inc. – Voelker Analysis & Annex Site

766 New Babcock Street & 50 Hannah Street

Buffalo, New York 14206

Site ID. C915150 & C915325

COMPOUND	9/5/2024		12/4/2024		3/5/2025		6/16/2025	
	INFLUENT	POST-AIR STRIPPER	INFLUENT	POST-AIR STRIPPER	INFLUENT	POST-AIR STRIPPER	INFLUENT	POST-AIR STRIPPER
1,1,1-Trichloroethane	**250**	0.94 J	**160**	**4.9**	**200**	ND	**430**	54
1,1-Dichloroethane	**120**	1.0 J	**83**	**4.0**	**120**	ND	**140**	24
1,1-Dichloroethene	**3.5**	ND	**2.0**	ND	**2.4**	ND	**6.3**	0.6
Acetone	ND	ND	ND	ND	5.9 J	3.4 J	17	7.2
Chloroethane	**10**	ND	**9.9**	ND	4.9 J	2.2 J	**5.8**	0.7
cis-1,2-Dichloroethene	**460**	**3.5**	**290**	**14**	**360**	ND	**830**	**140**
Freon-113	**31**	ND	**9.6**	ND	**7.1**	ND	**15**	0.96
Tetrachloroethene	0.94 J	ND	**1.1**	ND	0.69 J	ND	1.90	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	2.0 J	ND	ND	ND
Trichloroethene	**2.2**	ND	**3.6**	ND	**3.6**	ND	**25**	3.2
Vinyl chloride	**230**	ND	**54**	0.38 J	**63**	ND	**91**	3.9
Total VOCs	**1,108**	**13.0**	**613**	**23.3**	**770**	**5.6**	**1,562**	**234.6**

NOTES:

"J" = estimated value

ND = Not Detected

Influent sampling location is post-OWS; effluent sampling location is post-air stripper.

Analysis for Target Compound List (TCL) VOCs via EPA Method 8260C by Alpha Analytical.

Only compounds detected in one or both samples are listed. For full list of analytes, refer to the corresponding laboratory analytical report.

Table 6
Mid-Carbon/System Discharge Laboratory Analytical Data Summary
ENRX, Inc. - Voelker Analysis & ENRX Annex Site
766 New Babcock Street & 50 Hannah Street Buffalo, New York 14206
NYSDEC BCP Sites C915150 & C915325

LOCATION	SP-001 BSA Effluent	In-Between Carbon (051920)	In-Between Carbon (062520)	In-Between Carbon (072220)	SP-001 BSA Effluent	SP-001 BSA Effluent	In-Between Carbon (011521)	SP-001 BSA Effluent	SP-001 BSA Effluent	In-Between Carbon (063021)	SP-001 BSA Effluent	In-Between Carbon (010722)	CARBON CHANGEOUT	SP-001 BSA Effluent	In-Between Carbon (072622)	SP-001 BSA Effluent	In-Between Carbon (010623)	SP-001 BSA Effluent	In-Between Carbon (070523)	SP-001 BSA Effluent	In-Between Carbon (011124)	CARBON CHANGEOUT	SP-001 BSA Effluent (062424)	In-Between Carbon (070224)	SP-001 BSA Effluent (100924)	In-Between Carbon (120424)	SP-001 BSA Effluent (040425)	In-Between Carbon (072025)
SAMPLING DATE	4/6/2020	05/19/2020	6/25/2020	07/22/2020	10/20/2020	12/14/2020	01/15/2021	04/23/2021	05/10/2021	06/30/2021	10/8/2021	01/7/2022		04/18/2022	07/26/2022	10/24/2022	01/6/2023	04/4/2023	07/5/2023	10/18/2023	01/11/2024		06/24/2024	07/2/2024	10/9/2024	12/4/2024	04/4/2025	07/17/2025
LAB SAMPLE ID	L2014657-01	L2020602-01	L2027005-01	L2031683-01	L2045513-01	*Collected by BSA	L2102450-01	L2120871-01	L2120871-01	L2135554-01	L2155141-01	L2201123-01		L2220007-01	L2239911-01	L2259410-01	L2300879-01	L2317487-01	L2338188-01	L2361879-01	L2401909-01		L2435748-01	L2437531-01	L2458195-01	L2471659-01	L2519864-01	L2544886-01
Volatile Organics (ug/L)																												
Total VOCs	ND	ND	ND	ND	ND	ND	47	ND	ND	8.7	ND	14		1.3 J	ND	ND	ND	ND	ND	ND	0.87 J		0.28 J	ND	ND	ND	ND	5.4 J
Semivolatile Organics (ug/L)																												
Total SVOCs	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	ND	NA		ND	NA	ND	NA	ND	NA	ND	NA		ND	NA	ND	NA	ND	NA
Polychlorinated Biphenyls (ug/L)																												
PCBs, Total	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND		ND	ND	ND	NA	ND	NA	ND	NA		ND	NA	ND	NA	ND	NA

Notes:

1. Please refer to the Appendix for full analytical reports for the current 2024-2025 monitoring period. Samples collected March 2020 through 2024 were collected by EA. Please refer to the previous PRRs' Appendices for the applicable monitoring period for full analytical reports.
2. Compounds detected in one or more samples are represented in this table. Please refer to the Appendix for full analytical reports.
3. ug/L = parts per billion
4. SP-001 = Buffalo Sewer Authority (BSA) Effluent
5. ND = Not detected; NV = no value; NA = Not applicable
6. As per the August 3, 2020 letter from NYSDEC to the client, semi-Annual BSA Effluent Samples will be sufficient for two of the required four quarters, April and October, respectively.
7. Shading indicates: Exceeds TOGS Guidance Value

Table 7
SSD System Vacuum Data (in. H2O)

ENRX, Inc. – Voelker Analysis & Annex Site

766 New Babcock Street & 50 Hannah Street

Buffalo, New York 14206

Site ID. C915150 & C915325

Date	Pre-Filter	Post-Filter	Vapor Extraction Points			
			VP-1	VP-1A	VP-2	VP-3
8/7/2024	48	44	7	7	19	10
8/21/2024	50	44	7	7	18	11
9/11/2024	48	42	8	8	18	10
9/23/2024	50	42	11	8	18	11
10/8/2024	50	44	7	7	18	10
10/23/2024	50	42	8	7	18	12
10/31/2024	50	44	7	7	18	11
11/8/2024	53	47	7	7	19	11
11/21/2024	53	47	7	7	16	11
12/3/2024	50	45	8	7	18	11
12/19/2024	50	45	7	7	18	11
1/6/2025	50	45	7	6	16	11
1/20/2025	50	46	7	6	17	10
2/12/2025	50	46	7	6	15	11
2/25/2025	50	45	7	6	0	11
3/5/2025	50	45	7	7	0	11
3/17/2025	58	34	12	11	26	20
4/2/2025	58	35	12	12	0	20
4/16/2025	58	56	12	12	0	20
5/9/2025	50	51	11	11	0	17
5/27/2025	50	49	11	11	0	17
6/13/2025	45	46	10	10	0	15
6/30/2025	41	53	9	9	0	
7/17/2025	38	45	10	10	0	15
7/30/2025						
8/5/2025	45	44	9	9	0	14
8/21/2025	42	43	10	10	0	14
9/4/2025	42	43	10	9	0	14
9/15/2025	50	51	10	10	35	16

NOTE: Data collected prior to July 2023 is available and may be furnished upon request.

NA = Not Available

Table 8
SSD System Maintenance and Repair Summary
September 1, 2024 - September 15, 2025
ENRX, Inc. – Voelker Analysis
766 New Babcock Street
Buffalo, New York 14206
Site ID. C915150

Sub-Slab Depressurization System	
Date	Description
8/7/2024	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm. VP2 top of the "T" needs to be repaired, broken at the floor.
8/21/2024	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
9/11/2024	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
9/23/2024	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
10/8/2024	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
10/23/2024	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
10/31/2024	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm. Repairs to system process piping for VP2 were completed.
11/8/2024	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
11/21/2024	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
12/3/2024	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
12/19/2024	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
1/6/2025	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm. SSDS VP2 small crack was observed in piping at the floor, piping was taped to seal crack.
1/20/2025	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
2/12/2025	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
2/25/2025	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
3/1/2025	**METI replaces Environmental Advantage, Inc. as consultant for all BCP related matters.**
3/5/2025	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm. VP2 piping loose, cracked at the floor, re-taped to seal crack.
3/17/2025	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
4/2/2025	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm. SSDS VP2 shut off due to broken piping.
4/16/2025	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
5/9/2025	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm. Bleed air filter in SSDS cleaned.
5/27/2025	System shut down during O&M check, would not restart. Breaker needs to be reset.
5/28/2025	Breaker reset. System restarted and monitored for proper operation.
6/13/2025	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
6/30/2025	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
7/17/2025	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
7/30/2025	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
8/5/2025	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
8/6/2025	**Annual Engineering Control and Cover Inspection completed by METI**
8/21/2025	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
9/4/2025	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm.
9/15/2025	Semi-monthly system inspection. The system was operational. Recorded system data. The system effluent PID reading was 0 ppm. SSDS VP2 repaired and brought back on-line.

Table 9
Historical Groundwater Elevations
ENRX, Inc. - Voelker Analysis & ENRXAnnex Site
766 New Babcock Street & 50 Hannah Street, Buffalo, New York
NYSDEC BCP Sites C915150 & C915325

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)
BR-1	9/4/2024	598.14	14.24	583.90
	12/4/2024	598.14	13.95	584.19
	3/5/2025	598.14	8.63	589.51
	6/16/2025	598.14	6.89	591.25
BR-2	9/4/2024	598.07	14.40	583.67
	12/4/2024	598.07	13.38	584.69
	3/5/2025	598.07	9.38	588.69
	6/16/2025	598.07	12.89	585.18
BR-3	9/4/2024	599.45	16.90	582.55
	12/4/2024	599.45	16.17	583.28
	3/5/2025	599.45	13.44	586.01
	6/16/2025	599.45	6.11	593.34
BR-4	9/4/2024	599.82	9.06	590.76
	12/4/2024	599.82	9.23	590.59
	3/5/2025	599.82	-	-
	6/16/2025	599.82	8.60	591.22
BR-5	9/4/2024	599.09	7.80	591.29
	10/31/2024	**Decommissioned**		
BR-6	9/4/2024	597.90	5.08	592.82
	12/4/2024	597.90	8.01	589.89
	3/5/2025	597.90	4.54	593.36
	6/16/2025	597.90	4.93	592.97
BR-7	9/4/2024	599.71	11.66	588.05
	12/4/2024	599.71	-	-
	3/5/2025	599.71	-	-
	6/16/2025	599.71	10.08	589.63
BR-8	9/4/2024	598.54	5.45	593.09
	10/31/2024	**Decommissioned**		
BR-9	9/4/2024	598.67	-	-
	12/4/2024	598.67	6.40	592.27
	3/5/2025	598.67	-	-
	6/16/2025	598.67	6.59	592.08
BR-10	9/4/2024	599.77	-	-
	10/31/2024	**Decommissioned**		
BR-11	9/4/2024	598.70	13.36	585.34
	12/4/2024	598.70	12.02	586.68
	3/5/2025	598.70	12.61	586.09
	6/16/2025	598.70	7.39	591.31
BR-12	9/4/2024	598.89	13.30	585.59
	12/4/2024	598.89	13.10	585.79
	3/5/2025	598.89	12.63	586.26
	6/16/2025	598.89	7.82	591.07
BR-13	9/4/2024	599.49	14.05	585.44
	12/4/2024	599.49	13.50	585.99
	3/5/2025	599.49	13.21	586.28
	6/16/2025	599.49	9.15	590.34
BR-14	9/4/2024	599.33	14.50	584.83
	12/4/2024	599.33	13.85	585.48
	3/5/2025	599.33	13.46	585.87
	6/16/2025	599.33	-	-
BR-15	9/4/2024	599.25	10.86	588.39
	12/4/2024	599.25	9.06	590.19
	3/5/2025	599.25	8.30	590.95
	6/16/2025	599.25	7.38	591.87

"-" = MW unable to be gauged

Table 10
Groundwater Sampling Results 3rd Quarter 2024
ENRX, Inc. - Voelker Analysis & ENRXAnnex Site
766 New Babcock Street & 50 Hannah Street, Buffalo, New York 14206
NYSDEC BCP Sites C915150 & C915325

LOCATION	NY TOGS GA	BR-1 (090424)	BR-2 (090424)	BR-2 (090424) DUPLICATE	BR-3 (090424)	BR-13 (090424)	BR-15 (090424)
SAMPLING DATE		9/4/2024	9/4/2024	9/4/2024	9/4/2024	9/4/2024	9/4/2024
LAB SAMPLE ID		L2450744-01	L2450744-02	L2450744-03	L2450744-04	L2450744-05	L2450744-06
Volatile Organics by GC/MS (ug/L)							
1,1,1-Trichloroethane	5	230 J	370	370	5.3	ND	34
1,1-Dichloroethane	5	90	210	220	3.4	7.8	42
1,1-Dichloroethene	5	2.4	6.4	7	ND	ND	ND
Acetone	50	ND	ND	ND	8.1	ND	2 J
Bromomethane	5	ND	ND	ND	2.8	0.93 J	ND
Chloroethane	5	3.5 JH	21 J	18	2.6	1.2 J	12
cis-1,2-Dichloroethene	5	220	920	920	6.4	1.9 J	3.2
Cyclohexane	NV	ND	ND	ND	ND	ND	0.57 J
Ethylbenzene	5	ND	ND	ND	ND	ND	0.89 J
Freon-113	5	20	55	52	ND	3.4	25
Methyl tert butyl ether	10	0.51 J	ND	ND	ND	0.83 J	0.19 J
o-Xylene	5	ND	ND	ND	ND	ND	0.74 J
p/m-Xylene	5	ND	ND	ND	ND	ND	1.8 J
Tetrachloroethene	5	0.67 J	ND	1.8 J	ND	0.25 J	1.2
Toluene	5	1.6 J	ND	ND	ND	ND	1.4 J
trans-1,2-Dichloroethene	5	1.8 J	ND	5.2J	ND	0.76 J	0.97 J
Trichloroethene	5	5.1 J	3.2 J	3.3 J	0.34 J	ND	0.8
Vinyl chloride	2	120	520	530	3.2	2.6	4.5
Total VOCs		**695.58**	**2105.6**	**2122.1**	**32.14**	**19.67**	**131.26**

Notes:

1. Analyitcal testing performed by Alpha Analytical. Compounds detected in one or more samples are represented in this table. Please refer to the Appendix for full analytical report. Samples collected in 2024 were collected by EA.
2. ug/L = parts per billion
3. ND = Not detected; NV = no value
4. J = Estimated value; the target analyte is below the reporting limit, but above the method detection limit; JH = Estimated biased high.
5. Analytical testing results compared to Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.
6. Shading indicates:
   - Exceeds TOGS Guidance Value
   - Non-Detect result, however reporting limit was above the TOGS 1.1.1 Guidance Value for the selected analyte.
7. RED = Value changed as a result of Data Validation

Table 11
Groundwater Sampling Results 4th Quarter 2024
ENRX, Inc. - Voelker Analysis & ENRX Annex Site
766 New Babcock Street & 50 Hannah Street, Buffalo, New York 14206
NYSDEC BCP Sites C915150 & C915325

LOCATION	NY TOGS GA	BR-01 (120424)	BR-02 (120424)	BR-02 Duplicate (120424)	BR-03 (120424)	BR-13 (120424)	BR-15 (120424)
SAMPLING DATE		12/4/2024	12/4/2024	12/4/2024	12/4/2024	12/4/2024	12/4/2024
LAB SAMPLE ID		L2471665-01	L2471665-02	L2471665-03	L2471665-04	L2471665-05	L2471665-07
Volatile Organics by GC/MS (ug/L)							
1,1,1-Trichloroethane	5	92 JH	310	300	ND	15	220
1,1-Dichloroethane	5	64	140	130	0.77 J	33	230
1,1-Dichloroethene	5	1.4	4.7	4.8	ND	0.2 J	2.8
Acetone	50	ND	ND	ND	2.9 J	ND	ND
Chloroethane	5	24	21	22	2.2 J	17	120
cis-1,2-Dichloroethene	5	200 JH	440	430	ND	43	720
Freon-113	5	22	54	52	ND	8.8	70
Methyl tert butyl ether	10	0.36 J	ND	ND	ND	0.83 J	ND
p/m-Xylene	5	ND	ND	ND	ND	ND	4.4 J
Tetrachloroethene	5	0.46 J	2	2.1	ND	0.37 J	2.8
Toluene	5	ND	ND	ND	ND	ND	6.7 J
trans-1,2-Dichloroethene	5	1.5 J	ND	ND	ND	1.3 J	6.2 J
Trichloroethene	5	2.2	6.1	6	ND	0.21 J	2.1 J
Vinyl chloride	2	140	260	250	ND	62	510
Total VOCs		**547.92**	**1237.8**	**1196.9**	**5.87**	**181.71**	**1895**

Notes:

1. Analyitcal testing performed by Alpha Analytical. Compounds detected in one or more samples are represented in this table. Please refer to the Appendix for full analytical report. Samples collected in 2024 were collected by EA.
2. ug/L = parts per billion
3. ND = Not detected; NV = no value; NS = Not Sampled
4. J = Estimated value; the target analyte is below the reporting limit, but above the method detection limit; JH = Estimated biased high.
5. Analytical testing results compared to Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1),
6. Shading indicates: Exceeds TOGS Guidance Value
   Non-Detect result, however reporting limit was above the TOGS 1.1.1 Guidance Value for the selected analyte.
7. RED = Value changed as a result of Data Validation

Table 12
Groundwater Sampling Results 1st Quarter 2025
ENRX, Inc. - Voelker Analysis & ENRX Annex Site
766 New Babcock Street & 50 Hannah Street, Buffalo, New York 14206
NYSDEC BCP Sites C915150 & C915325

LOCATION	NY TOGS GA	BR-01 (030525)	BR-02 (030525)	BR-02 (030525) DUPLICATE	BR-03 (030525)	BR-13 (030525)	BR-15 (030525)
SAMPLING DATE		3/5/2025	3/5/2025	3/5/2025	3/5/2025	3/5/2025	3/5/2025
LAB SAMPLE ID		L2512227-01	L2512227-02	L2512227-03	L2512227-04	L2512227-05	L2512227-06
Volatile Organics by GC/MS (ug/L)							
1,1,1-Trichloroethane	5	210 J	390	440	ND	38	68
1,1-Dichloroethane	5	110	200	220	1.3 J	70	93
1,1-Dichloroethene	5	3	7.1	7.7	ND	0.5 J	0.38 J
Chloroethane	5	6.8	22 J	25	1.3 J	12	59
cis-1,2-Dichloroethene	5	340 J	740	810	2.4 J	240	34
Cyclohexane	NV	ND	ND	ND	ND	ND	0.42 J
Freon-113	5	17	56	62	ND	4.1 J	38
Methyl tert butyl ether	10	ND	ND	ND	ND	0.73 J	ND
p/m-Xylene	5	ND	ND	ND	1.5 J	ND	ND
Tetrachloroethene	5	0.92 J	2.2 J	2.9 J	ND	0.66 J	1.1
Toluene	5	ND	ND	ND	ND	ND	1.7 J
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	1.3 J
Trichloroethene	5	11	6.8	7	1	0.5 J	0.46 J
Total VOCs		**808.72**	**1774.1**	**1984.6**	**7.79**	**370.69**	**355.36**

Notes:

1. Analyitcal testing performed by Alpha Analytical. Compounds detected in one or more samples are represented in this table. Please refer to the Appendix for full analytical report.
2. ug/L = parts per billion
3. ND = Not detected; NV = no value
4. J = Estimated value; the target analyte is below the reporting limit, but above the method detection limit; JH = Estimated biased high.
5. Analytical testing results compared to Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1), Ambient Water
6. Shading indicates: Exceeds TOGS Guidance Value
   Non-Detect result, however reporting limit was above the TOGS 1.1.1 Guidance Value for the selected analyte.
7. RED = Value changed as a result of Data Validation

Table 13
Groundwater Sampling Results 2nd Quarter 2025
ENRX, Inc. - Voelker Analysis & ENRX Annex Site
766 New Babcock Street & 50 Hannah Street, Buffalo, New York 14206
NYSDEC BCP Sites C915150 & C915325

LOCATION	NY TOGS GA	BR-01 (061625)	BR-02 (061625)	BR-02 (061625) DUPLICATE	BR-03 (061625)	BR-13 (061625)	BR-15 (061625)
SAMPLING DATE		6/16/2025	6/16/2025	6/16/2025	6/16/2025	6/16/2025	6/16/2025
LAB SAMPLE ID		L2537939-01	L2537939-02	L2537939-03	L2537939-04	L2537939-05	L2537939-06
Volatile Organics by GC/MS (ug/L)							
1,1,1-Trichloroethane	5	380	650	630	ND	1.1 J	120
1,1-Dichloroethane	5	100	240	250	1.2 J	8.8	110
1,1-Dichloroethene	5	5.8	12	10	ND	ND	0.81
Acetone	50	ND	ND	ND	14 JH	6 JH	8.8 JH
Chloroethane	5	6 JH	27 J	30	1 J	2.3 J	31
cis-1,2-Dichloroethene	5	590	1600	1700	4.2	1.2	67
Cyclohexane	NV	ND	ND	ND	ND	ND	0.59 J
Ethylbenzene	5	ND	ND	ND	ND	ND	1.6 J
Freon-113	5	22	57 J	54 J	ND	2.9	72
Methyl tert butyl ether	10	ND	ND	ND	ND	0.4 J	ND
o-Xylene	5	ND	ND	ND	ND	ND	1.5 J
p/m-Xylene	5	ND	ND	ND	0.77 J	ND	4.3
Tetrachloroethene	5	1.5 J	ND	ND	ND	ND	2.2
Toluene	5	ND	ND	ND	ND	ND	5.6
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	2.4 J
Trichloroethene	5	21	7.7 J	6	1.9	ND	1.6
Vinyl chloride	2	150	410	420	0.99 J	1.2	86
Total VOCs		**1276.3**	**3003.7**	**3100**	**24.06**	**23.9**	**515.4**

Notes:

1. Analytical testing performed by Alpha Analytical. Compounds detected in one or more samples are represented in this table. Please refer to the Appendix for full analytical report.
2. ug/L = parts per billion
3. ND = Not detected; NV = no value
4. J = Estimated value; the target analyte is below the reporting limit, but above the method detection limit; JH = Estimated biased high.
5. Analytical testing results compared to Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1),
6. Shading indicates: Exceeds TOGS Guidance Value
   Non-Detect result, however reporting limit was above the TOGS 1.1.1 Guidance Value for
7. RED = Value changed as a result of Data Validation

Table 14
Historical CVOCs in Groundwater
ENRX, Inc. - Voelker Analysis & ENRX Annex Site
766 New Babcock Street & 50 Hannah Street, Buffalo, New York 14206
NYSDEC BCP Sites C915150 & C915325

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Drawdown (ft)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	cis-1,2-Dichloroethene (µg/L)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	Total Target CVOCs (µg/L)	% Increase /Decrease CVOCs Since Startup
BR-1	8/22/14	598.89	6.17	592.72	Baseline	3,200	230	5,600	470	3,900	260	13,660	Baseline
	3/25/16	598.14	14.31	583.83	-8.89	170	17	160	15	180	36	578	-95.77
	6/24/16	598.14	14.24	583.90	-8.82	290	30	390	4	130	58	902	-93.40
	9/30/16	598.14	14.29	583.85	-8.87	620	160	1,600	5	47	210	2,642	-80.66
	12/23/16	598.14	9.14	589.00	-3.72	5,100	410	3,900	230	6,300	170	16,110	17.94
	3/13/17	598.14	13.72	584.42	-8.30	180	51	490	4.0	33	130	888	-93.50
	6/26/17	598.14	14.31	583.83	-8.89	590	140	1,300	3.2	33	200	2,266	-83.41
	9/25/17	598.14	14.32	583.82	-8.90	200	58	420	1.9	8	110	798	-94.16
	12/15/17	598.14	14.38	583.76	-8.96	170	49	320	2.6	17	62	621	-95.46
	3/19/18	598.14	14.33	583.81	-8.91	180	44	400	2.4	22	83	731	-94.65
	9/28/18	598.14	14.29	583.85	-8.87	190	55	360	2.7	20	140	768	-94.38
	12/3/18	598.14	10.55	587.59	-5.13	240	48	300	21.0	250	87	946	-93.07
	3/20/19	598.14	14.24	583.90	-8.82	450	95	1,200	5.0	19	140	1,909	-86.02
	7/8/19	598.14	14.29	583.85	-8.87	500	80	900	ND	18	110	1,608	-88.23
	9/27/19	598.14	14.15	583.99	-8.73	990	110	1,100	ND	76	210	2,486	-81.80
	12/23/19	598.14	14.21	583.93	-8.79	300	32	330	1.3	7.7	100	771	-94.36
	3/19/20	598.14	5.05	593.09	0.37	660	71	1,000	17	160	87	1,995	-85.40
	6/11/20	598.14	5.14	593.00	0.28	730	110	980	9.8	120	210	2,160	-84.19
	9/22/20	598.14	14.25	583.89	-8.83	430	89	670	2.0	4	190	1,385	-89.86
	12/9/20	598.14	7.15	590.99	-1.73	250	56	310	4.0	52	120	792	-94.20
	3/12/21	598.14	9.40	588.74	-3.98	810	110	1,700	8.8	110	180	2,919	-78.63
	6/30/21	598.14	14.15	583.99	-8.73	640	110	990	ND	2.5	200	1,943	-85.78
	9/16/21	598.14	12.25	585.89	-6.83	390	80	440	6.10	30.0	130	1,076	-92.12
	12/3/21	598.14	10.50	587.64	-5.08	160	62	310	0.68	3.1	160	696	-94.91
	3/24/22	598.14	12.90	585.24	-7.48	940	190	1,600	ND	18	410	3,158	-76.88
	6/3/22	598.14	14.00	584.14	-8.58	930	140	1,400	ND	5.9	170	2,646	-80.63
	9/28/22	598.14	14.20	583.94	-8.78	540	88	760	ND	8.8	170	1,567	-88.53
	12/12/22	598.14	13.68	584.46	-8.26	420	97	590	ND	7.6	120	1,235	-90.96
	3/2/23	598.14	11.15	586.99	-5.73	610	140	900	ND	4.8	210	1,865	-86.35
	6/1/23	598.14	9.95	588.19	-4.53	320	100	700	ND	8.9	150	1,279	-90.64
	9/26/23	598.14	14.22	583.92	-8.80	400	98	500	ND	4.2	120	1,122	-91.78
	12/14/23	598.14	13.08	585.06	-7.66	200	58	220	0.55	3.9	82	564	-95.87
	3/4/24	598.14	13.25	584.89	-7.83	470	200	660	ND	6.3	200	1,536	-88.75
	6/24/24	598.14	12.06	586.08	-6.64	550	ND	880	ND	7.8	430	1,868	-86.33
	9/4/24	598.14	14.24	583.90	-8.82	230	90	220	0.67	5.1	120	665.8	-95.13
	12/4/24	598.14	13.95	584.19	-8.53	92	64	200	0.46	2.2	140	499	-96.35
	3/5/25	598.14	8.63	589.51	-3.21	210	110	340	0.92	11	110	782	-94.28
	6/16/25	598.14	6.89	591.25	-1.47	380	100	590	1.5	21	150	1,243	-90.90
BR-2	8/22/14	598.72	6.43	592.29	Baseline	380	130	1,300	ND	40	340	2,190	Baseline
	3/25/16	598.07	13.84	584.23	-8.06	1,600	210	2,500	ND	88	230	4,628	111.32
	6/24/16	598.07	13.83	584.24	-8.05	1,500	230	2,700	ND	33	280	4,743	116.58
	9/30/16	598.07	13.83	584.24	-8.05	1,200	190	2,100	ND	27	210	3,727	70.18
	12/23/16	598.07	13.79	584.28	-8.01	1,500	210	2,100	ND	55	300	4,165	90.18
	3/13/17	598.07	13.81	584.26	-8.03	780	150	1,500	ND	20	330	2,780	26.94
	6/26/17	598.07	8.84	589.23	-3.06	190	310	1,100	ND	4	64	1,668	-23.84
	9/25/17	598.07	13.84	584.23	-8.06	640	150	1,000	1.8	12	310	2,114	-3.48
	12/15/17	598.07	9.38	588.69	-3.60	490	180	780	1.4	7	400	1,858	-15.14
	3/19/18	598.07	13.89	584.18	-8.11	120	36	300	2.6	20	48	527	-75.95
	9/28/18	598.07	13.87	584.20	-8.09	1,000	55	1,400	1.9	11	290	2,758	25.93
	12/3/18	598.07	13.83	584.24	-8.05	780	160	1,200	3.1	39	260	2,442	11.51
	3/20/19	598.07	13.86	584.21	-8.08	920	170	1,400	2.1	26	280	2,798	27.77
	7/8/19	598.07	13.84	584.23	-8.06	660	110	800	ND	7.4	190	1,767	-19.30
	9/27/19	598.07	12.29	585.78	-6.51	1000	110	430	1.8	81	210	1,833	-16.31
	12/23/19	598.07	13.01	585.06	-7.23	430	140	790	ND	10	380	1,750	-20.09
	3/19/20	598.07	5.33	592.74	0.45	280	98	540	ND	3.6	200	1,122	-48.79
	6/11/20	598.07	5.42	592.65	0.36	680	110	750	0.99	3.7	260	1,805	-17.59
	9/22/20	598.07	13.80	584.27	-8.02	480	140	650	1.50	3.9	330	1,605	-26.69
	12/9/20	598.07	6.75	591.32	-0.97	120	76	300	0.80	2.2	200	699	-68.08
	3/12/21	598.07	13.50	584.57	-7.72	920	160	960	1.0	7.7	350	2,399	9.53
	6/30/21	598.07	11.85	586.22	-6.07	530	140	560	1.90	4.2	300	1,536	-29.86
	9/16/21	598.07	14.03	584.04	-8.25	450	150	630	1.5	5	290	1,527	-30.30
	12/3/21	598.07	12.50	585.57	-6.72	460	130	760	1.80	7.5	300	1,659	-24.23
	3/24/22	598.07	10.60	587.47	-4.82	240	190	820	1.60	4.2	450	1,706	-22.11
	6/3/22	598.07	13.36	584.71	-7.58	740	180	1,100	2.6	7.2	320	2,350	7.30
	9/28/22	598.07	13.40	584.67	-7.62	410	160	920	1.8	4.0	350	1,846	-15.72
	12/12/22	598.07	13.39	584.68	-7.61	310	150	650	1.6	4.7	340	1,456	-33.50
	3/2/23	598.07	13.47	584.60	-7.69	440	130	750	1.9	15.0	300	1,637	-25.26
	6/1/23	598.07	13.50	584.57	-7.72	540	190	1,100	ND	18.0	320	2,168	-1.00
	9/26/23	598.07	13.00	585.07	-7.22	450	190	920	ND	3.5	470	2,034	-7.15
	12/14/23	598.07	13.35	584.72	-7.57	300	130	550	1.6	5.8	290	1,277	-41.67
	3/4/24	598.07	13.18	584.89	-7.40	580	250	1,000	ND	9.1	520	2,359	7.72
	6/24/24	598.07	14.23	583.84	-8.45	440	170	660	ND	ND	190	1,460	-33.33
	9/4/24	598.07	14.40	583.67	-8.62	370	210	920	ND	3.2	520	2,023	-7.62
	12/4/24	598.07	13.38	584.69	-7.60	310	140	440	2.0	6.1	260	1,158	-47.12
	3/5/25	598.07	9.38	588.69	-3.60	390	200	740	2.2	6.8	350	1,689	-22.88
	6/16/25	598.07	12.89	585.18	-7.11	650	240	1,600	ND	7.7	410	2,908	32.77
BR-3	8/22/14	599.45	7.09	592.36	Baseline	520	230	760	ND	11.0	420	1,941	Baseline
	3/19/20	599.45	8.23	591.22	-1.14	NS	NS	NS	NS	NS	NS	NS	NA
	6/11/20	599.45	9.60	589.85	-2.51	NS	NS	NS	NS	NS	NS	NS	NA
	9/22/20	599.45	12.70	586.75	-5.61	NS	NS	NS	NS	NS	NS	NS	NA
	12/9/20	599.45	10.45	589.00	-3.36	NS	NS	NS	NS	NS	NS	NS	NA
	3/12/21	599.45	6.86	592.59	0.23	NS	NS	NS	NS	NS	NS	NS	NA
	6/30/21	599.45	9.00	590.45	-1.91	NS	NS	NS	NS	NS	NS	NS	NA
	9/16/21	599.45	11.25	588.20	-4.16	NS	NS	NS	NS	NS	NS	NS	NA
	12/3/21	599.45	11.20	588.25	-4.11	NS	NS	NS	NS	NS	NS	NS	NA
	3/24/22	599.45	7.90	591.55	-0.81	NS	NS	NS	NS	NS	NS	NS	NA
	6/3/22	599.45	14.00	585.45	-6.91	NS	NS	NS	NS	NS	NS	NS	NA
	9/28/22	599.45	12.70	586.75	-5.61	ND	1.2	2.5	ND	0.44	0.5	4.6	-99.76
	12/12/22	599.45	13.90	585.55	-6.81	1	48	2.6	ND	0.34	4.2	56	-97.11
	3/2/23	599.45	11.60	587.85	-4.51	ND	3.3	2.4	ND	0.55	0.48	6.73	-99.65
	6/1/23	599.45	9.09	590.36	-2.00	ND	2	3	ND	1.4	1	7.39	-99.62
	9/26/23	599.45	13.55	585.90	-6.46	ND	3	1.6	ND	0.31	0.27	4.98	-99.74
	12/14/23	599.45	17.30	582.15	-10.21	NS	NS	NS	NS	NS	NS	NS	NA
	3/4/24	599.45	12.84	586.61	-5.75	ND	1.4	1.2	ND	0.36	ND	2.96	-99.85
	6/24/24	599.45	9.30	590.15	-2.21	ND	1	3	ND	1.1	0.3	5.10	-99.74
	9/4/24	599.45	16.90	582.55	-9.81	5.3	3.4	6.4	ND	0.3	3.2	18.64	-99.04
	12/4/24	599.45	16.17	583.28	-9.08	ND	0.77	ND	ND	ND	ND	0.77	-99.96
	3/5/25	599.45	13.44	586.01	-6.35	ND	1.3	2.4	ND	1.0	0.3	4.99	-99.74
	6/16/25	599.45	6.11	593.34	0.98	ND	1.2	4.2	ND	1.9	0.99	8.29	-99.57

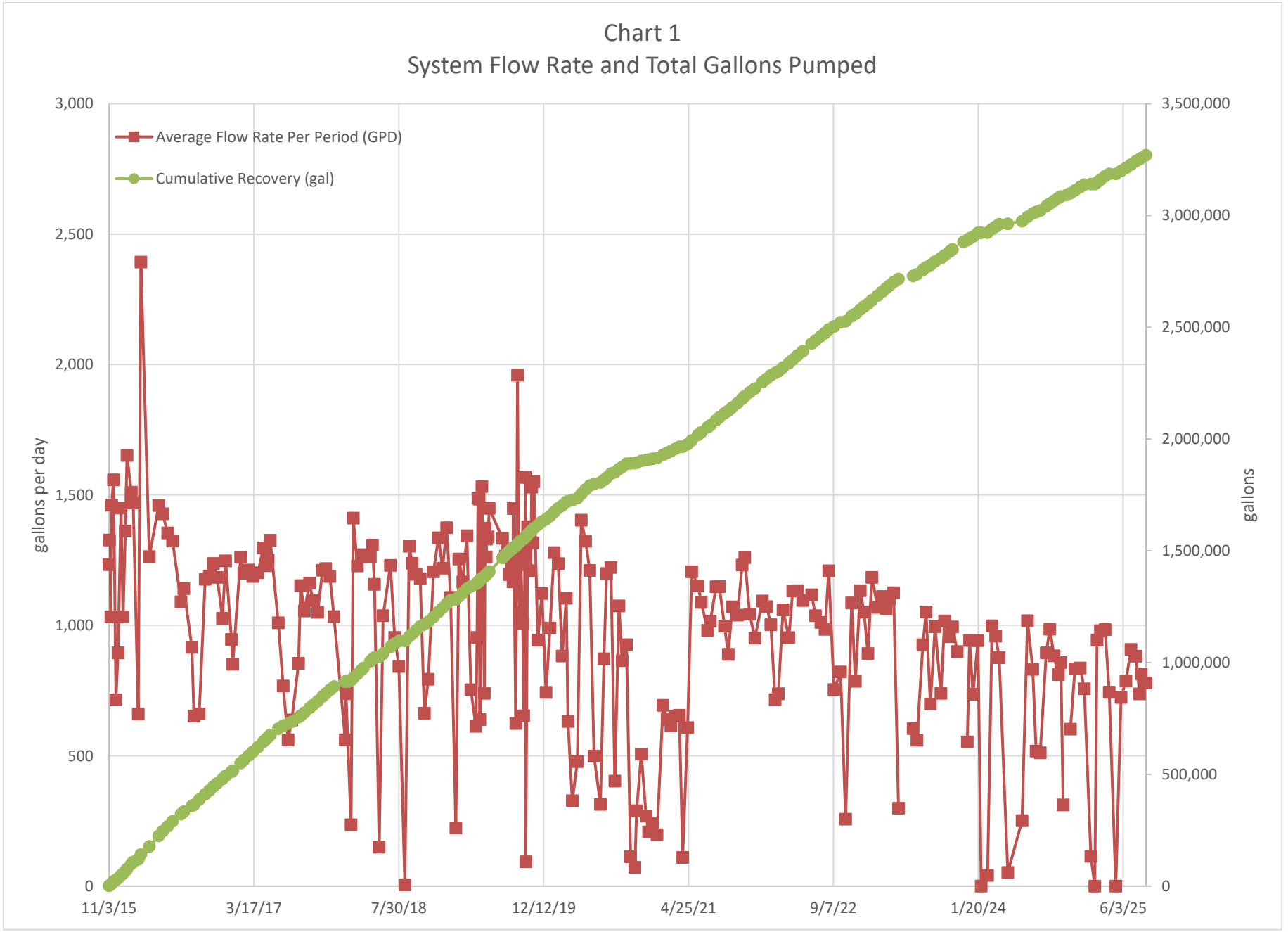
Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Drawdown (ft)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	cis-1,2-Dichloroethene (µg/L)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	Total Target CVOCs (µg/L)	% Increase /Decrease CVOCs Since Startup
BR-13 Annex Site	4/13/15	599.50	5.53	593.97	**Baseline**	ND	ND	27	ND	0.25	60	**87.25**	**Baseline**
	3/25/16	599.49	11.05	588.44	**-5.53**	990	520	4,000	ND	83	230	**5,823**	**6,573.93**
	6/24/16	599.49	11.74	587.75	**-6.22**	170	62	470	ND	3.5	99	**805**	**822.06**
	9/30/16	599.49	11.93	587.56	**-6.41**	660	240	2,200	ND	ND	330	**3,430**	**3,831.23**
	12/23/16	599.49	10.11	589.38	**-4.59**	1,500	650	5,800	16	40	1,200	**9,206**	**10,451.29**
	3/13/17	599.49	11.62	587.87	**-6.10**	6,600	1,600	18,000	56	1,100	2,200	**29,556**	**33,775.07**
	6/26/17	599.49	10.15	589.34	**-4.63**	1,100	410	3,500	5	13	650	**5,678**	**6,407.74**
	9/25/17	599.49	12.5	586.99	**-6.98**	940	260	3,500	21	95	310	**5,126**	**5,775.07**
	12/15/17	599.49	10.65	588.84	**-5.13**	1,200	470	4,200	12	70	420	**6,372**	**7,203.15**
	3/19/18	599.49	11.93	587.56	**-6.41**	4,500	1,700	14,000	ND	170	2,600	**22,970**	**26,226.65**
	9/28/18	599.49	11.54	587.95	**-6.02**	1,400	370	3,800	ND	57	240	**5,867**	**6,624.36**
	12/3/18	599.49	10.86	588.63	**-5.34**	140	66	360	2	2.5	160	**731**	**737.25**
	3/20/19	599.49	13.29	586.20	**-7.77**	91	45	210	1.0	1.5	130	**479**	**448.42**
	7/8/19	599.49	13.42	586.07	**-7.90**	100	43	200	1.1	2.3	120	**466**	**434.56**
	9/27/19	599.49	13.57	585.92	**-8.05**	340	150	870	3.5	ND	470	**1,834**	**2,001.43**
	12/23/19	599.49	13.43	586.06	**-7.91**	80	41	150	1.3	0.86	190	**463**	**430.84**
	3/19/20	599.49	6.36	593.13	**-0.84**	230	150	580	2.8	6.1	48	**1,017**	**1,065.50**
	6/11/20	599.49	6.45	593.04	**-0.93**	240	130	260	3.6	2.6	120	**756**	**766.70**
	9/22/20	599.49	14.04	585.45	**-8.52**	3,300	1100	11,000	ND	18.0	21	**15,439**	**17,595.13**
	12/9/20	599.49	7.70	591.79	**-2.18**	94	58	100	1.7	0.5	100	**354**	**305.97**
	3/12/21	599.49	10.48	589.01	**-4.96**	50	38	51	1.0	0.5	32	**172**	**97.70**
	6/30/21	599.49	13.70	585.79	**-8.18**	130	94	190	1.5	1.2	180	**597**	**583.90**
	9/16/21	599.49	10.60	588.89	**-5.08**	130	110	170	1.5	0.6	160	**572**	**555.72**
	12/3/21	599.49	12.50	586.99	**-6.98**	88	63	200	1.4	0.78	140	**493**	**465.25**
	3/24/22	599.49	12.63	586.86	**-7.11**	1,300	940	5,200	ND	14.0	8	**7,462**	**8,451.98**
	6/3/22	599.49	13.67	585.82	**-8.15**	130	60	150	2.2	1.4	78	**422**	**383.21**
	9/28/22	599.49	13.95	585.54	**-8.43**	110	53	290.0	1.5	1.6	150	**606**	**594.67**
	12/12/22	599.49	13.40	586.09	**-7.88**	24	20	28	0.65	ND	28	**101**	**15.36**
	3/2/23	599.49	11.54	587.95	**-6.02**	22	16	24	0.48	0.18	9.2	**71.9**	**-17.64**
	6/1/23	599.49	10.04	589.45	**-4.52**	6	13	4	0.4	ND	2.3	**26.5**	**-69.64**
	9/26/23	599.49	13.85	585.64	**-8.33**	13	14	26	0.32	ND	12	**65.3**	**-25.13**
	12/14/23	599.49	13.40	586.09	**-7.88**	19	17	39	0.34	0.27	17	**92.6**	**6.14**
	3/4/24	599.49	13.72	585.77	**-8.20**	9.6	14	6.7	0.28	0.21	6.1	**36.9**	**-57.72**
	6/24/24	599.49	13.57	585.92	**-8.05**	3.2	7.1	1.8	ND	ND	2	**14.1**	**-83.84**
	9/4/24	599.49	14.05	585.44	**-8.53**	ND	7.8	1.9	0.25	ND	2.6	**12.6**	**-85.62**
	12/4/24	599.49	13.50	585.99	**-7.98**	15	33	43	0.37	0.2	62	**153.6**	**76.02**
	3/5/25	599.49	13.21	586.28	**-7.69**	38	70	240	0.66	0.5	4.2	**353.4**	**305.00**
	6/16/25	599.49	9.15	590.34	**-3.63**	1.1	8.8	1.2	ND	ND	1.2	**12.3**	**-85.90**
BR-15 Annex Site	4/14/15	599.25	5.10	594.15	**Baseline**	ND	ND	35	ND	ND	24	**59.0**	**Baseline**
	5/5/17	599.25	NG	NA	NA	100	44	310	5	0.88	69	**529**	**796.41**
	1/15/19	599.25	NG	NA	NA	NS	NS	NS	NS	NS	NS	NS	NA
	1/25/19	599.25	11.41	587.84	**-6.31**	54	18	130	1	1.1	50	**254**	**330.68**
	3/19/20	599.25	5.90	593.35	**-0.80**	NS	NS	NS	NS	NS	NS	NS	NA
	6/11/20	599.25	6.0	593.25	**-0.90**	NS	NS	NS	NS	NS	NS	NS	NA
	9/22/20	599.25	11.4	587.85	**-6.30**	NS	NS	NS	NS	NS	NS	NS	NA
	12/9/20	599.25	6.80	592.45	**-1.70**	NS	NS	NS	NS	NS	NS	NS	NA
	3/12/21	599.25	8.32	590.93	**-3.22**	NS	NS	NS	NS	NS	NS	NS	NA
	6/30/21	599.25	11.10	588.15	**-6.00**	NS	NS	NS	NS	NS	NS	NS	NA
	9/16/21	599.25	8.95	590.30	**-3.85**	NS	NS	NS	NS	NS	NS	NS	NA
	12/3/21	599.25	9.30	589.95	**-4.20**	NS	NS	NS	NS	NS	NS	NS	NA
	3/24/22	599.25	9.98	589.27	**-4.88**	NS	NS	NS	NS	NS	NS	NS	NA
	6/3/22	599.25	10.71	588.54	**-5.61**	NS	NS	NS	NS	NS	NS	NS	NA
	9/28/22	599.25	11.29	587.96	**-6.19**	330	180	1300	2.2	ND	520	**2332**	**3,852.88**
	12/12/22	599.25	9.95	589.30	**-4.85**	57	50	120	0.9	0.44	150	**378**	**541.25**
	3/2/23	599.25	8.94	590.31	**-3.84**	25	17	36	0.72	0.4	42	**121**	**105.29**
	6/1/23	599.25	8.35	590.90	**-3.25**	12	12	8.8	0.39	0.3	14	**47**	**-19.51**
	9/26/23	599.25	10.40	588.85	**-5.30**	52	59	48	1.1	0.88	70	**231**	**291.49**
	12/14/23	599.25	NG	NG	**NA**	NS	NS	NS	NS	NS	NS	**NS**	**NA**
	3/4/24	599.25	10.33	588.92	**-5.23**	120	100	81	1.9	1.1	100	**404**	**584.75**
	6/24/24	599.25	9.17	590.08	**-4.07**	37	43	10	1.4	0.55	10	**102**	**72.80**
	9/4/24	599.25	10.86	588.39	**-5.76**	34	42	3.2	1.2	0.8	4.5	**86**	**45.25**
	12/4/24	599.25	9.06	590.19	**-3.96**	220	230	720	2.8	2.1	510	**1685**	**2,755.76**
	3/5/25	599.25	8.30	590.95	**-3.20**	68	93	34	1.1	0.46	58	**255**	**331.46**
	6/16/25	599.25	7.38	591.87	**-2.28**	120	110	67	2.2	1.6	86	**387**	**555.59**

Notes:

1. Compounds detected in one or more samples are represented in this table. Please refer to the Appendix for full analytical reports for the current 2024-2025 monitoring period. Samples collected from 2015-2019 were collected by AFI. Samples collected March 2020 through 2024 were collected by EA. Please refer to the previous PRRs' Appendices for the applicable monitoring period for full analytical reports.

2. ND = Non-Detect
3. NS = Not Sampled; Not Part of Sampling Program; NG = Not Gauged
4. Water Levels measured from top of riser
5. **RED** = Increase in contaminant concentrations/groundwater elevations
6. Only target CVOCs are presented in this table due to unavailability of total VOC data prior to 2020.

CHARTS


Chart 1
System Flow Rate and Total Gallons Pumped
Average Flow Rate Per Period (GPD)
Cumulative Recovery (gal)
gallons per day
gallons
3,000
2,500
2,000
1,500
1,000
500
0
3,500,000
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
11/3/15
3/17/17
7/30/18
12/12/19
4/25/21
9/7/22
1/20/24
6/3/25

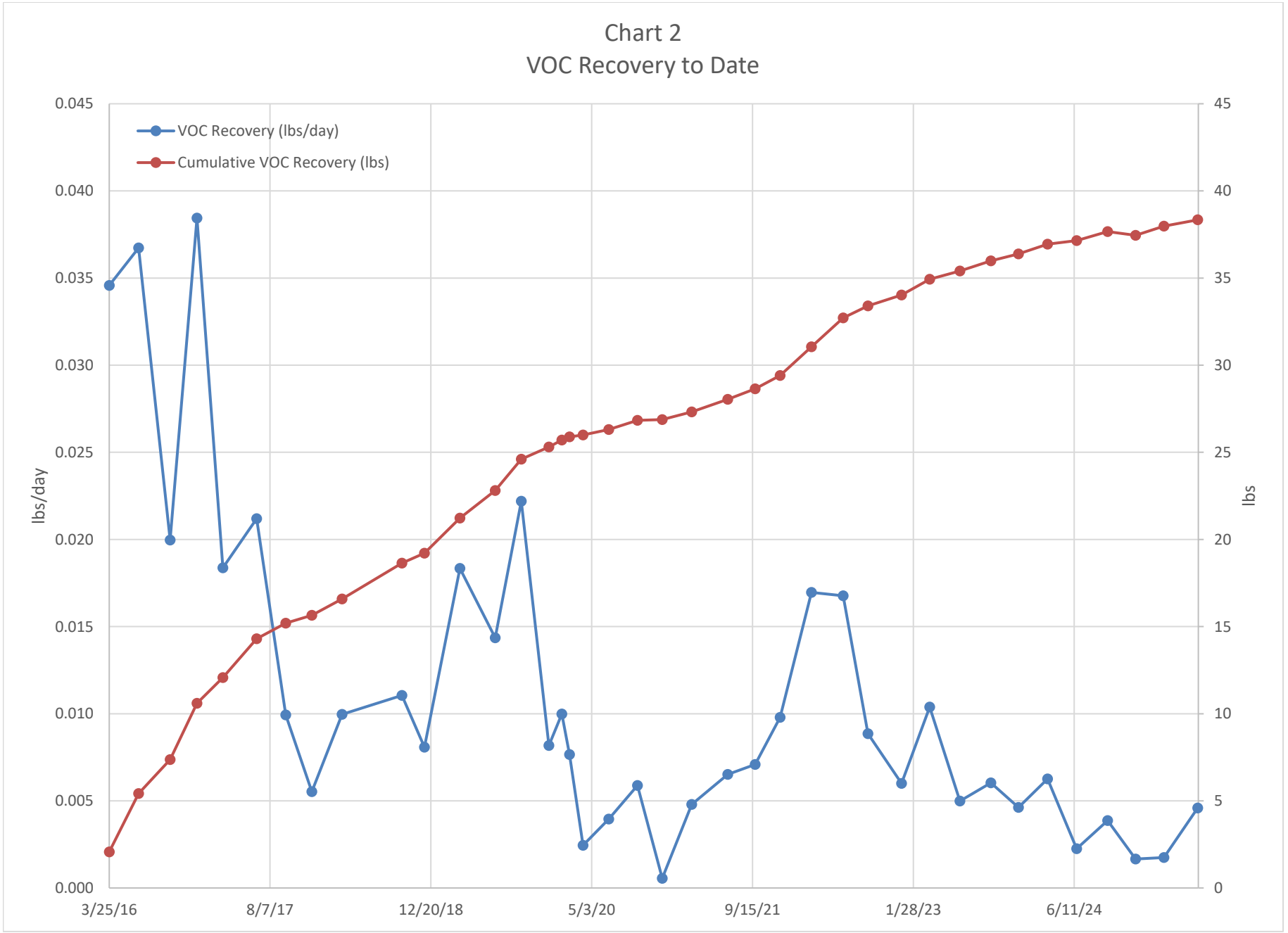

Chart 2
VOC Recovery to Date
VOC Recovery (lbs/day)
Cumulative VOC Recovery (lbs)
lbs/day
lbs
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
45
40
35
30
25
20
15
10
5
0
3/25/16
8/7/17
12/20/18
5/3/20
9/15/21
1/28/23
6/11/24

Chart 3
System Influent Total VOC Concentrations
ENRX, Inc. - Voelker Analysis & ENRX Annex Site
766 New Babcock Street & 50 Hannah Street, Buffalo, NY 14206
NYSDEC BCP Sites C915150 & C915325

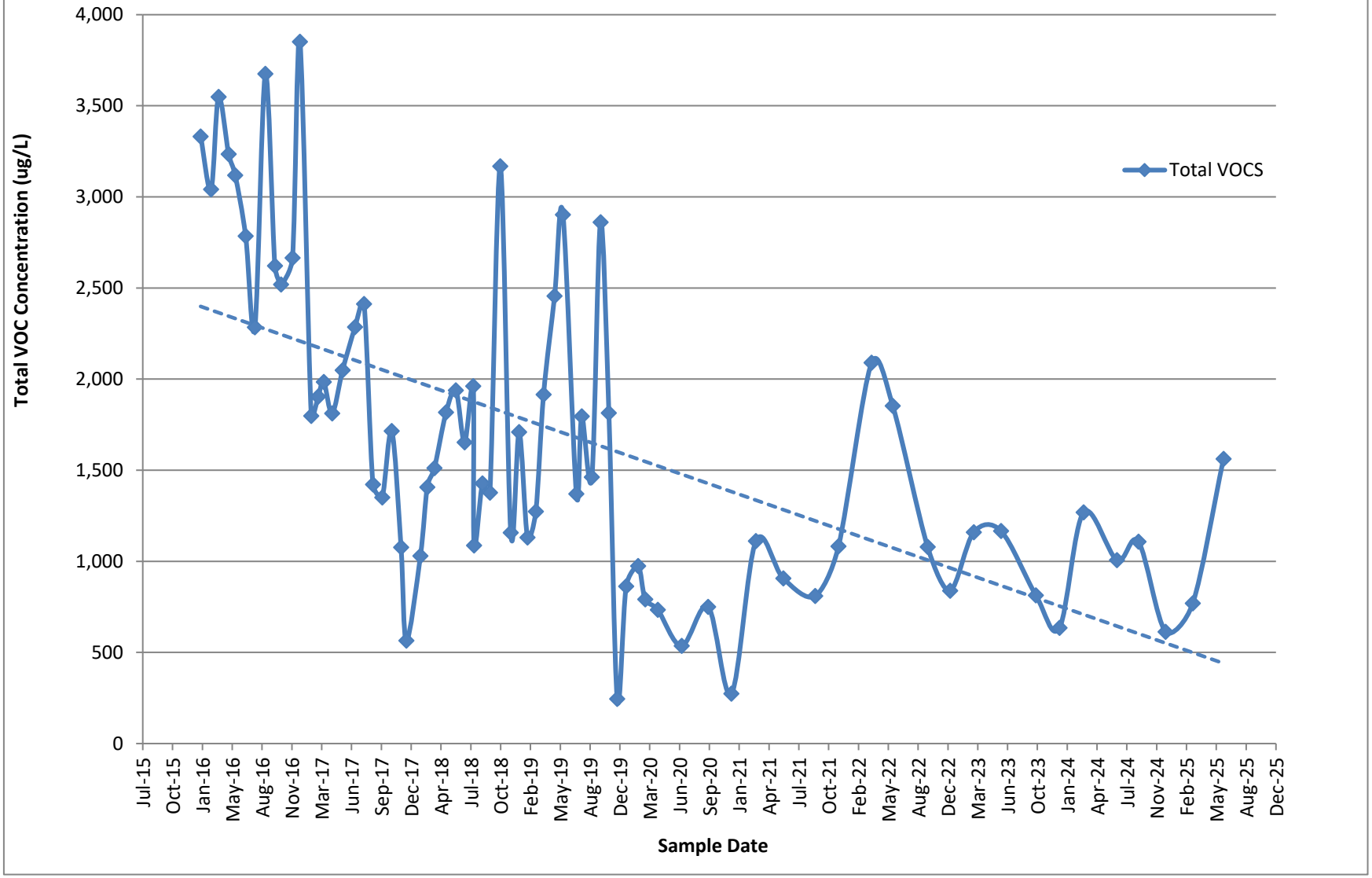
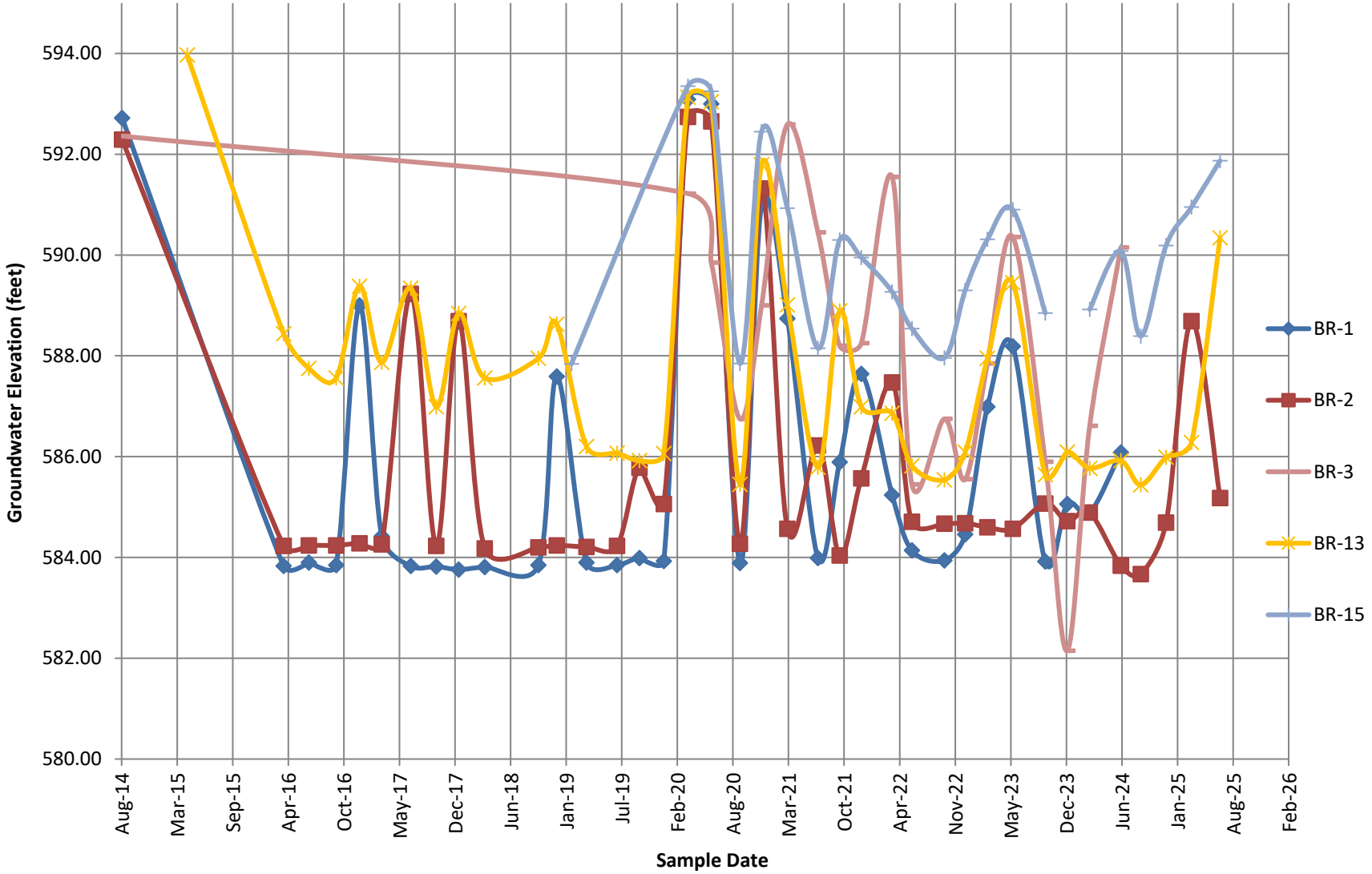
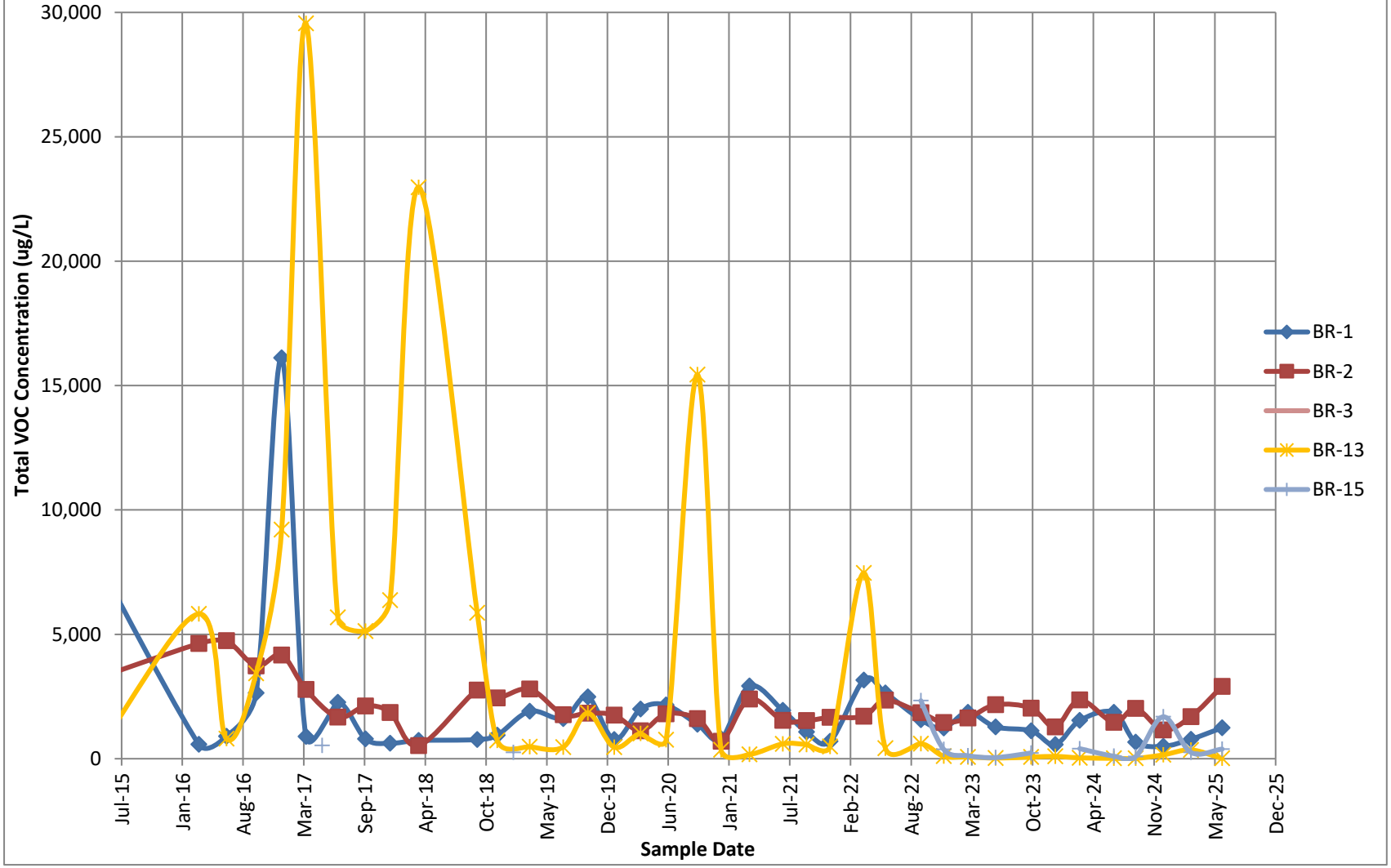


Chart 4
Historical Groundwater Elevations
766 New Babcock Street & 50 Hannah Street, Buffalo, NY 14206
Site ID C915150 & C915325



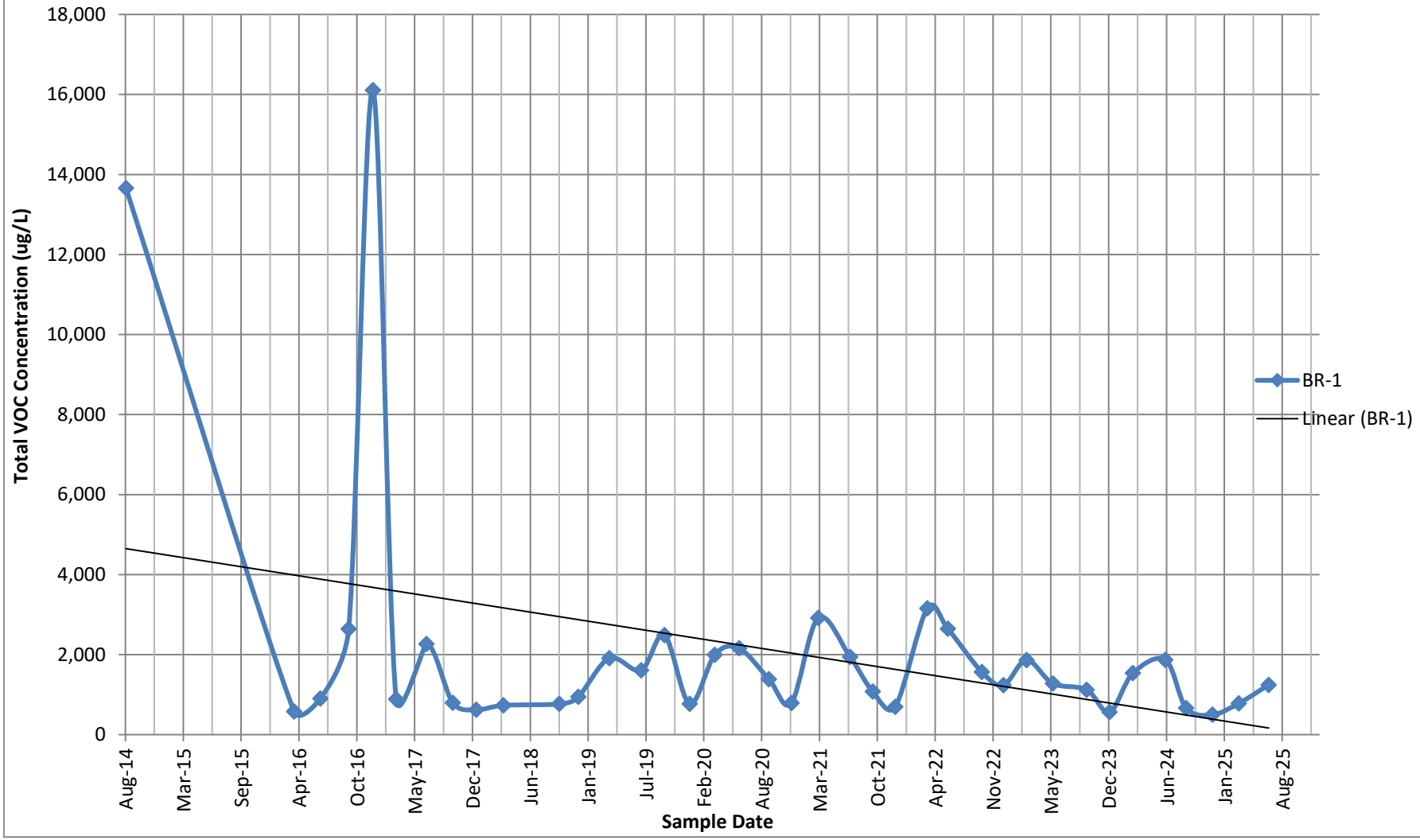
Note: Ground Water Pump and Treat System Activated on November 2, 2015

Chart 5
Historical CVOC Concentrations All Wells
766 New Babcock Street, Buffalo, NY 14206
Site ID C915150



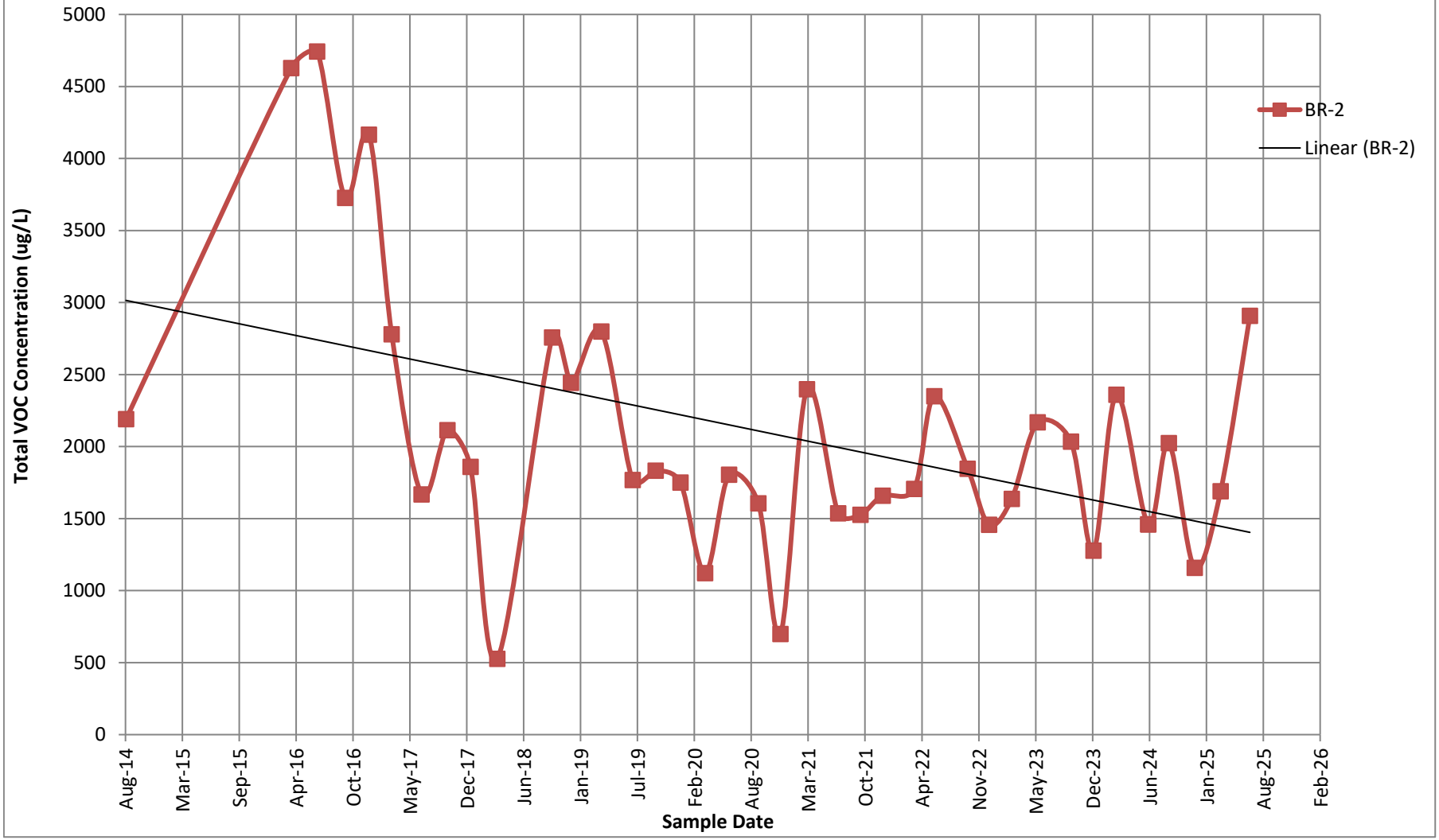
Note: Ground Water Pump and Treat System Activated on November 2, 2015

Chart 6
Historical CVOC Concentrations BR-1
766 New Babcock Street, Buffalo, NY 14206
Site ID C915150 & C915325



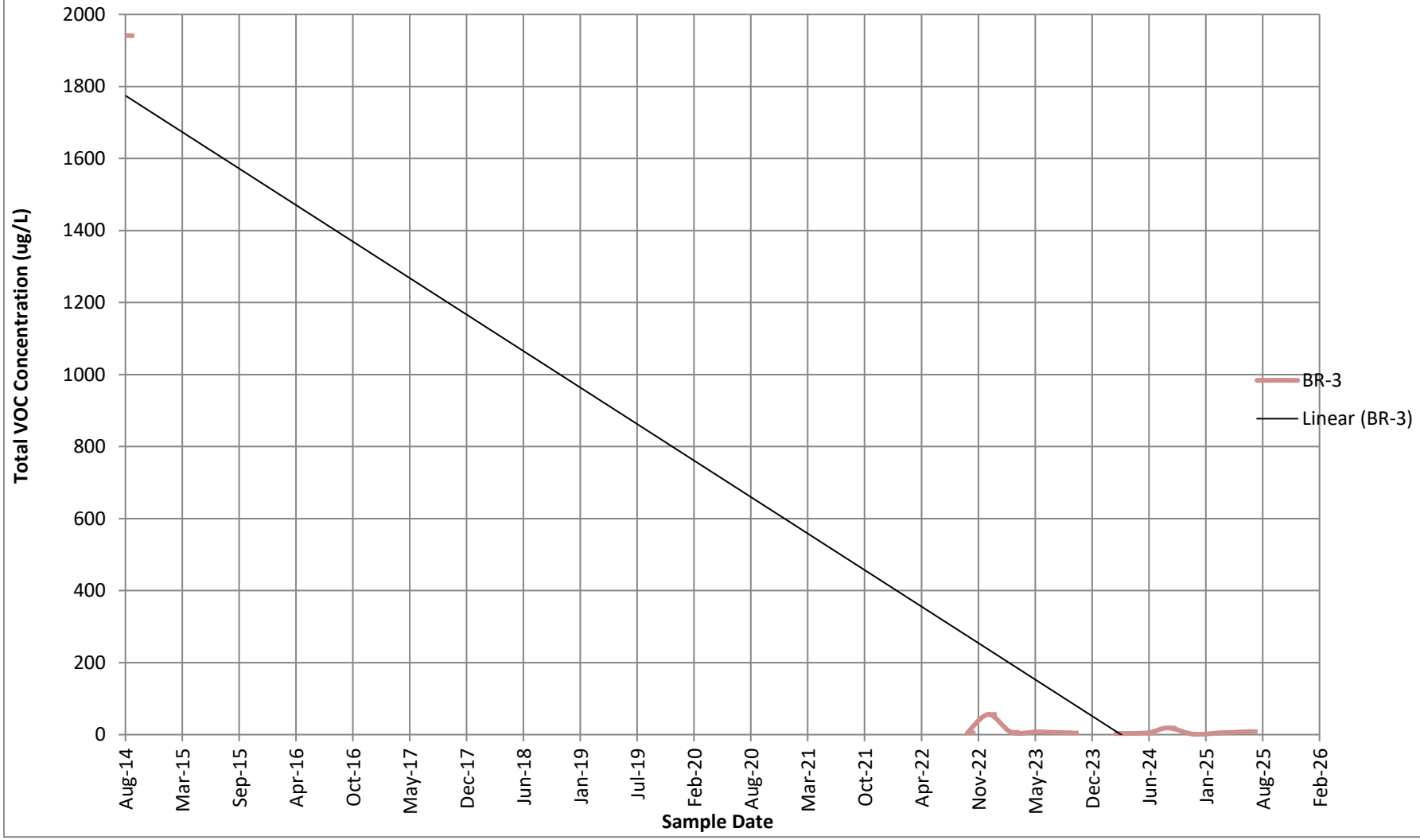
Note: Ground Water Pump and Treat System Activated on November 2, 2015

Chart 7
Historical CVOC Concentrations BR-2
766 New Babcock Street, Buffalo, NY 14206
Site ID C915150 & C915325



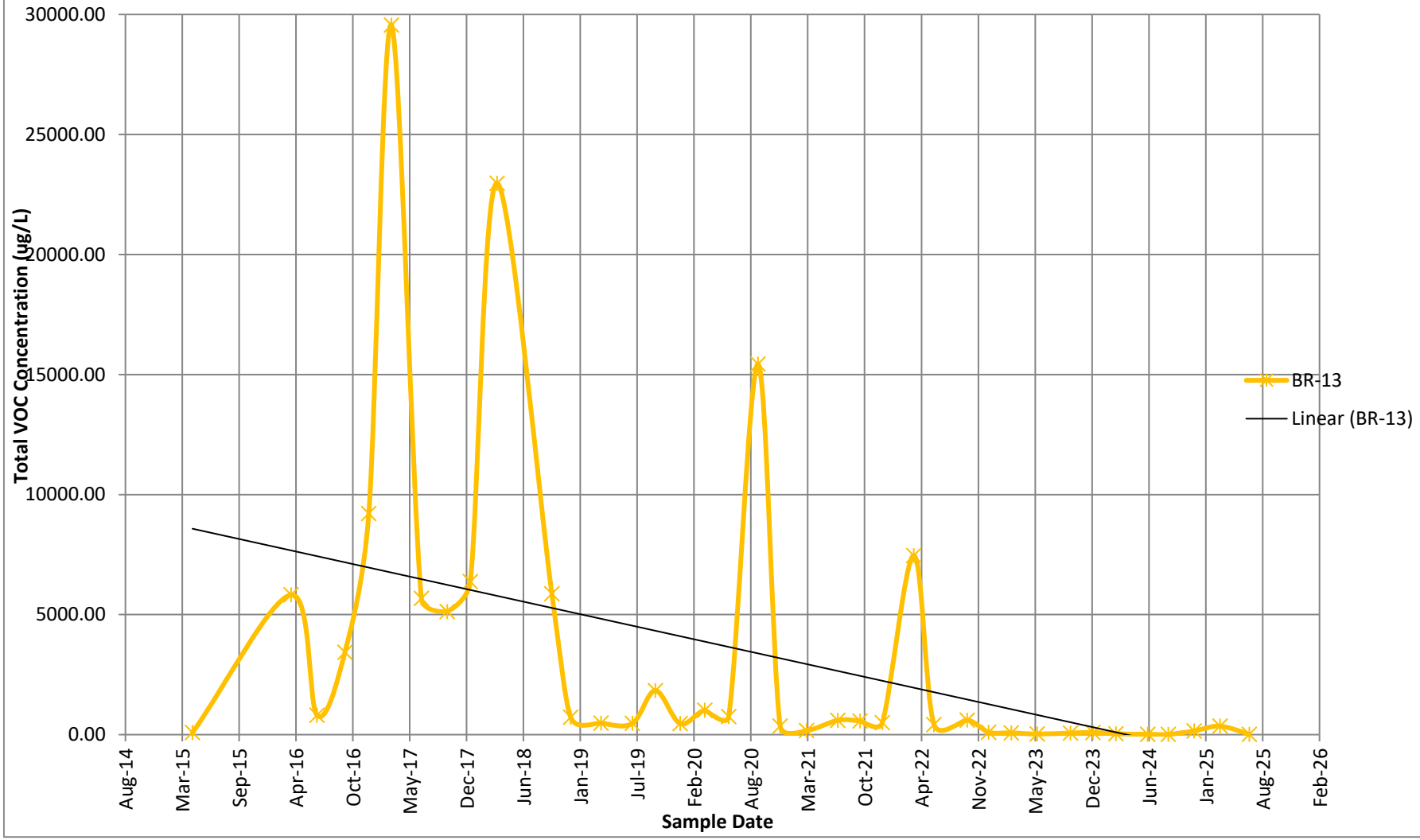
Note: Ground Water Pump and Treat System Activated on November 2, 2015

Chart 8
Historical CVOC Concentrations BR-3
766 New Babcock Street, Buffalo, NY 14206
Site ID C915150 & C915325



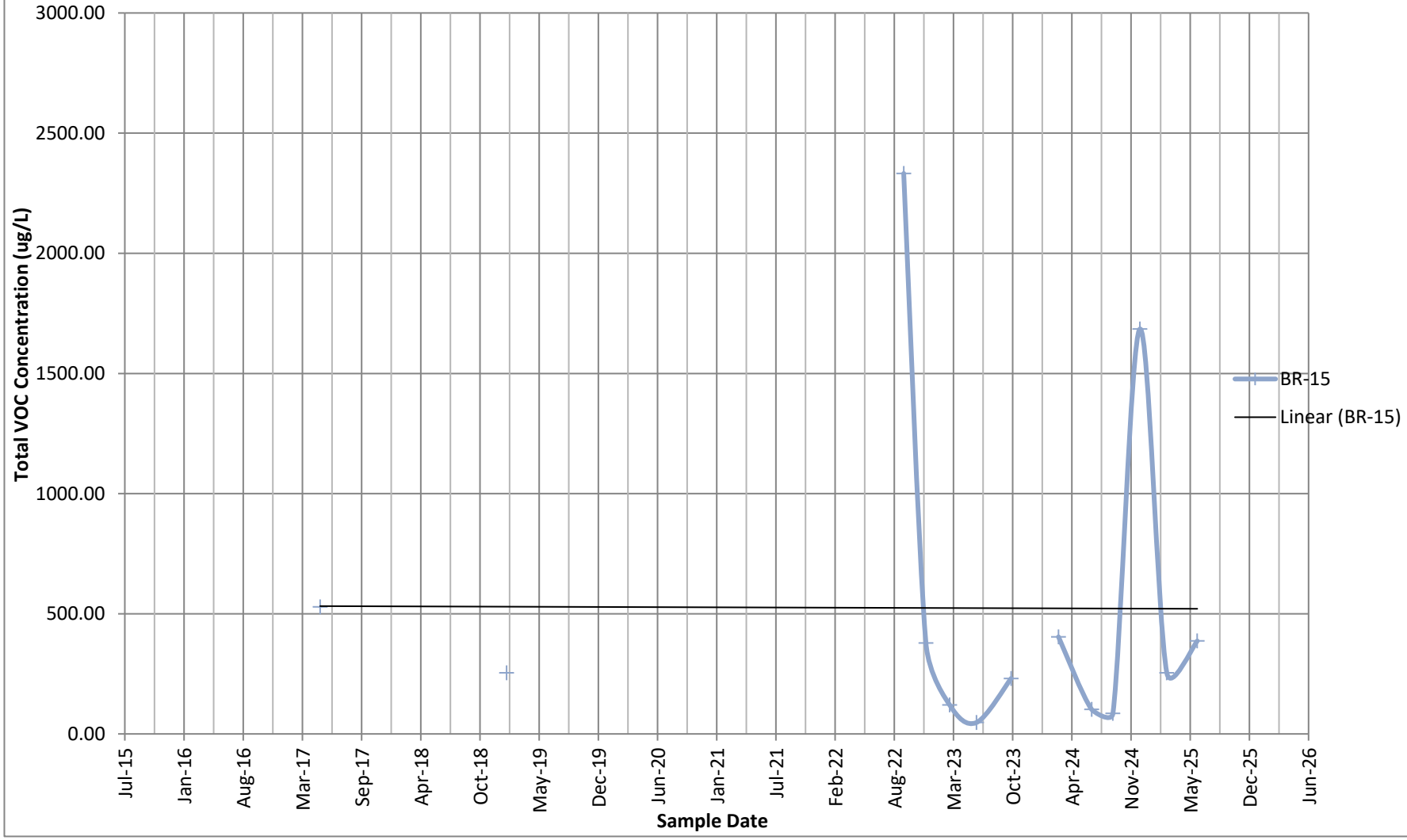
Note: Ground Water Pump and Treat System Activated on November 2, 2015

Chart 9
Historical CVOC Concentrations BR-13
766 New Babcock Street, Buffalo, NY 14206
Site ID C915150 & C915325



Note: Ground Water Pump and Treat System Activated on November 2, 2015

Chart 10
Historical CVOC Concentrations BR-15
766 New Babcock Street, Buffalo, NY 14206
Site ID C915150 & C915325



Note: Ground Water Pump and Treat System Activated on November 2, 2015

APPENDIX A

Institutional and Engineering Controls Certification Forms

ENRX Inc. – Voelker Analysis Site C915150
&
ENRX Annex Site C915325

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. **C915150**

Site Name ENRX, Inc. - Voelker Analysis

Site Address: 766 New Babcock Street Zip Code: 14206
City/Town: Buffalo
County: Erie
Site Acreage: 0.840

Reporting Period: August 03, 2024 to August 03, 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?	☒	☐
Buffalo Pollutant Discharge Elimination System (BPDES) Permit #24-10-BU136		
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

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C915150 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
112.14-3-2.1	Diamond Hurwitz Scrap, LLC	Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan Soil Management Plan

1. Groundwater use prohibited;
2. Land use restricted to commercial or industrial purposes;
3. Excavation work plan for any future intrusive work; and
4. Soil vapor intrusion evaluation of any new buildings constructed on site.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
112.14-3-2.1	Groundwater Treatment System Vapor Mitigation Cover System Groundwater Containment

Monitoring and maintenance of the groundwater extraction/treatment, sub-slab depressurization and site cover systems.

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. C915150

Box 6

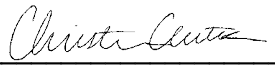
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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 Christine M. Curtis (print name) at 95 Brown Road, Ithaca, NY 14850 (print business address),

am certifying as Designated Representative of the Owner (Owner or Remedial Party)

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



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

12/11/2025
Date

EC CERTIFICATIONS

Box 7

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 Christine M. Curtis at 95 Brown Road, Ithaca, NY 14850,
print name print business address

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



Signature of , for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

12/11/2025
Date

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. C915325

Site Name ENRX Annex Site

Site Address: 50 Hannah Street Zip Code: 14206
City/Town: Buffalo
County: Erie
Site Acreage: 0.280

Reporting Period: August 03, 2024 to August 03, 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

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C915325 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
112.14-3-4	DHS Realty, Inc.	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

Prohibition against use of groundwater without treatment
Compliance with a soils management plan
Use must be maintained as commercial or industrial
Annual monitoring of groundwater

Box 4

Description of Engineering Controls

Parcel	Engineering Control
112.14-3-4	Groundwater Treatment System Cover System

Asphalt cover over entire site (0.28 acres)
Groundwater extraction and treatment system

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
☒	☐

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
☒	☐

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. C915325

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 Christine M. Curtis (print name) at 95 Brown Road, Ithaca, NY 14850 (print business address),

am certifying as Designated Representative of the Owner (Owner or Remedial Party)

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

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

12/11/2025
Date

EC CERTIFICATIONS

Box 7

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 Christine M. Curtis at 95 Brown Road, Ithaca, NY 14850,
print name print business address

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



Signature of , for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

12/11/2025
Date

APPENDIX B

Site Specific BSA Wastewater Discharge Permit

AUTHORIZATION TO DISCHARGE UNDER BUFFALO

POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT NUMBER: 24-10-BU136

USEPA Category: 40 CFR 403

In accordance with the provisions of the Federal Water Pollution Control Act, as amended, the Sewer Regulations of the Buffalo Sewer Authority, authorization is hereby granted to:

DIAMOND HURWITZ SCRAP, LLC. dba, NIAGARA METALS, LLC.

To discharge wastewater from a facility located at:

766 NEW BABCOCK STREET, BUFFALO, NEW YORK 14206

To the Buffalo Municipal Sewer System.

Issuance of this permit is based upon a permit application filed on July 2, 2024 and analytical data. This permit is granted in accordance with discharge limitations, monitoring requirements and other conditions set forth in Part I and II hereof.

Effective this 1st day of October, 2024

To Expire the 30th day of September, 2027

General Manager, Buffalo Sewer Authority

Issued this 12TH day of SEPTEMBER, 2024

PART 1: SPECIFIC CONDITIONS

A. DISCHARGE LIMITATIONS & MONITORING REQUIREMENTS

During the period beginning the effective date of this permit and lasting until the expiration date, discharge from the permitted facility outfall(s) (see attached map) shall be limited and monitored **semi-annually** by the permittee as specified below:

Sampling for the pollutants below will be conducted at Sample Point 001.

Sample Point 001 is located southeast/east of the facility's Groundwater Pump and Treat Remedial System. This system is located in the middle of the actual site.

Sample Point 001: Footnotes found on pages 3 and 4

Regulation		Discharge Limit	Discharge Limit	Discharge limit	Discharge Limit	M.A.I.D	Sampling Requirement	Sampling Requirement
40 CFR	Parameter	Daily	Daily	Monthly	Monthly		Time Period[1]	Type[2]
		Conc. (mg/L)	Mass (lbs)	Conc. (mg/L)	Mass (lbs)	Conc. (mg/L)		
403	pH (s.u.)	5.0-12.0	X	X	X	X	1 Day	Grab
403	EPA Test Method 624[3]	X	X	X	X	X	1 Day	Grab
403	EPA Test Method 625[3]	X	X	X	X	X	1 Day	Grab
403	EPA Test Method 608[4]	X	X	X	X	X	1 Day	Grab
403	Discharge Flow	No Limit	X	X	X	X	Daily	Meter[5][6]

PART 1: SPECIFIC CONDITIONS

B. FOOTNOTES:

1. Sampling Requirement, Time Period:
   One (1) Day: shall mean 24 hours.
   Continuous: shall mean 24 hours per day of recorded data for all Sample Points. Recording frequency shall be every minute in a 24 hour time period for Sample Point 001. Recording frequency shall be every hour in a 24 hour time period for Sample Points 002A, 002B and 002C.

2. Sampling Requirement, Type:
   a. Grab Sample: A single discreet sample collected over a period that is not to exceed 15 minutes.
   b. Composite Sample: The two methods of obtaining a composite sample are flow-proportional composite sampling or time-proportional composite sample. Please indicate method utilized.

3. The permittee must report any compound whose concentration is greater than 0.01 mg/L. The permittee is not authorized to discharge any of the parameters evaluated by this test procedure which may cause or contribute to a violation of water quality standards or harm the sewerage system. Any parameter detected may, at the discretion of the BSA, be specifically limited and incorporated into the permit.

4. Any PCB with a concentration above the practical quantification limit of EPA Method 608 must be reported.

5. An acceptable flow measuring device must be used to determine total flow.

6. Total discharge flow readings must be submitted with the semi-annual reports. The Sewer Rent is based on the total gallons discharged to the sewer system.

PART 1: SPECIFIC CONDITIONS

C. DISCHARGE MONITORING REPORTING REQUIREMENTS

1. During the period beginning the effective date of this permit lasting until the expiration date, discharge monitoring results shall be summarized and reported semi-annually by the permittee on the days specified below:

Sample Point	Parameter	Initial Report	Subsequent Reports
001	All parameters	November 30, 2024	May 31, 2025
			November 30, 2025
			May 31, 2026
			November 30, 2026
			May 31, 2027

2. To renew your Discharge Permit, a Discharge Permit Application is required six months prior to the expiration of this permit. Please submit by March 30, 2027.

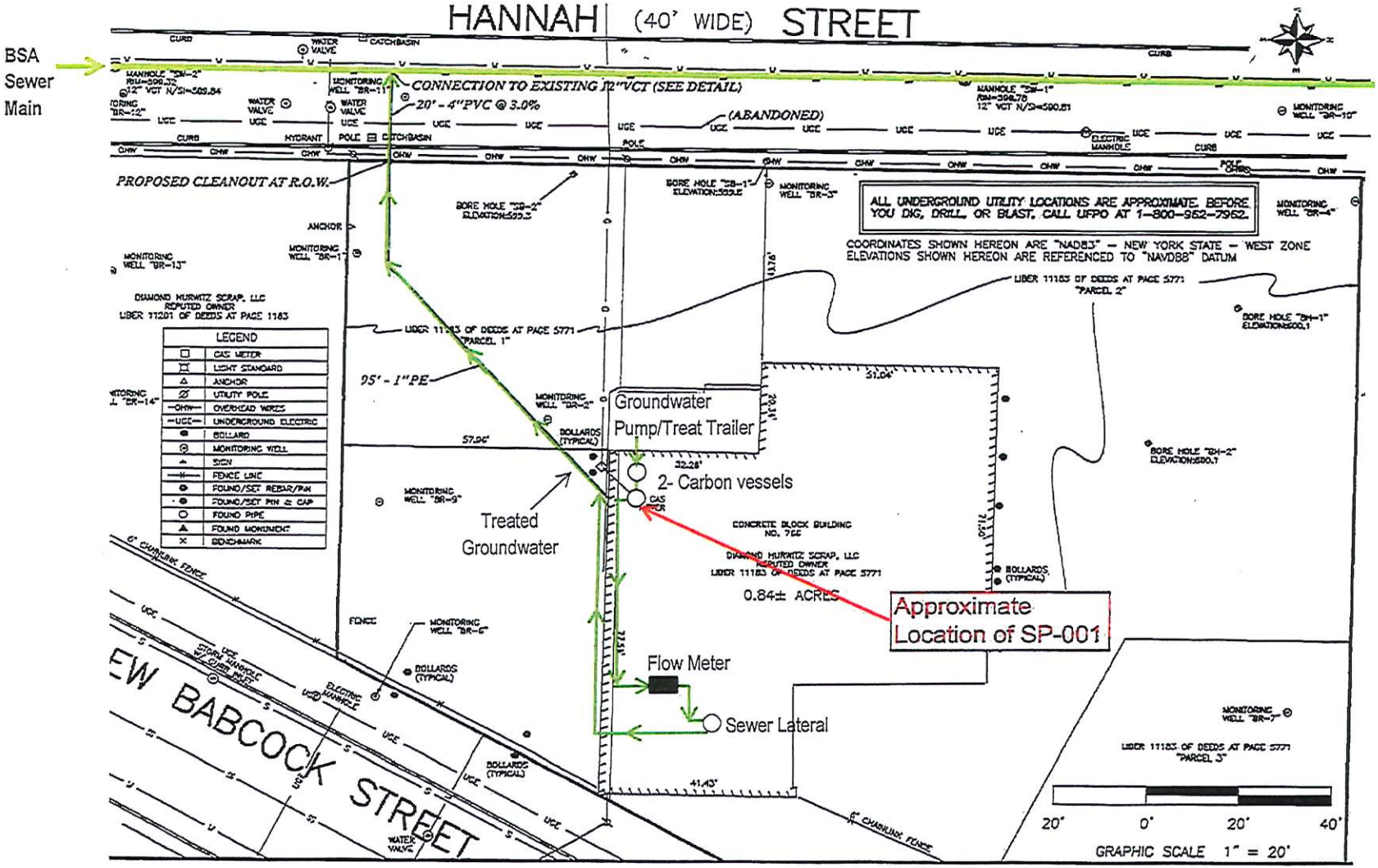
3. Based on the review of this application and inspection of this treatment plant facility, it has been determined that this facility does not require a slug control plan.

Part 1

Permit #: 24-10-BU136

Part I: SPECIFIC CONDITIONS

D. SITE MAPS



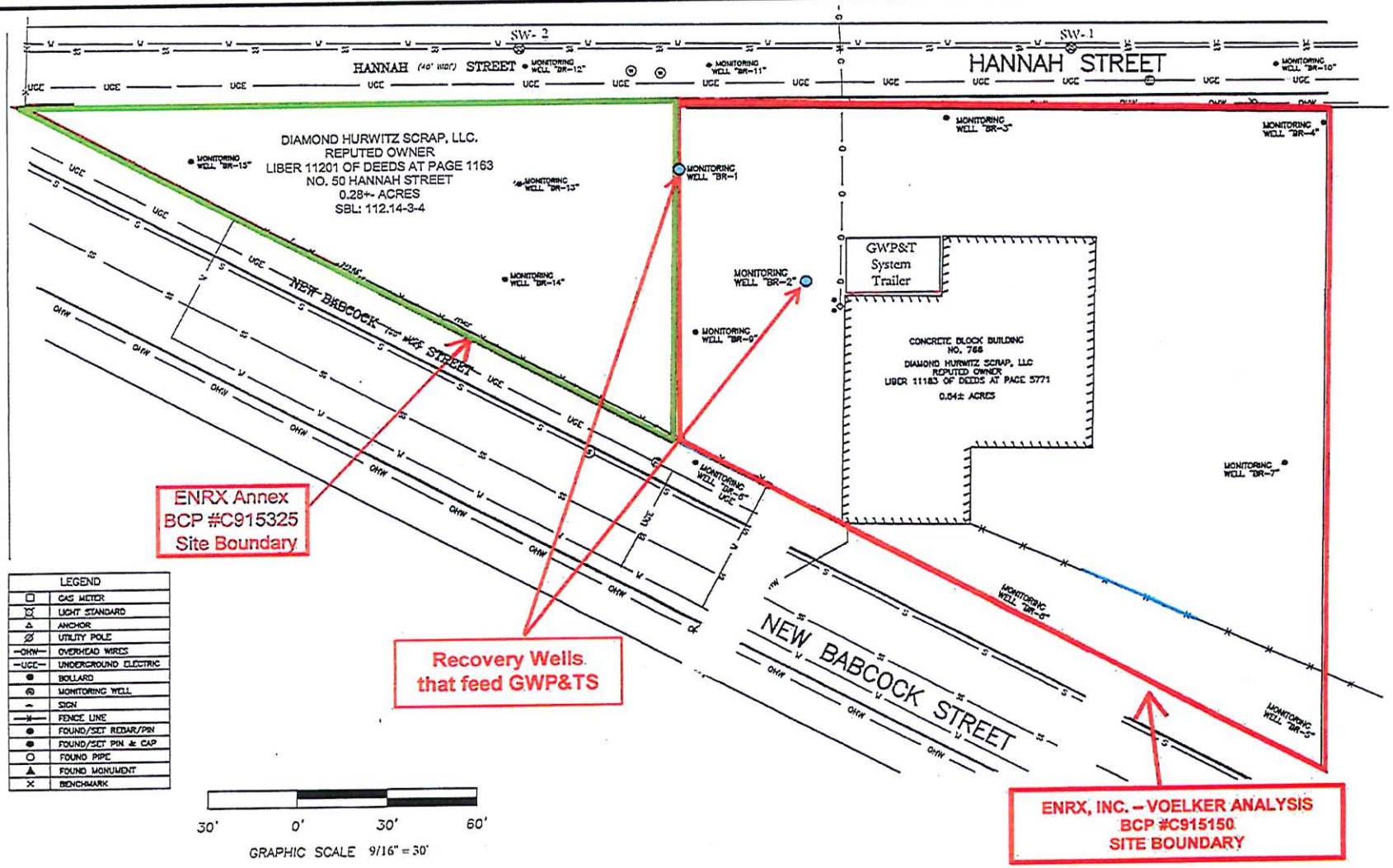
ENVIRONMENTAL ADVANTAGE, INC.		
Regulatory Compliance – Site Investigations – Facility Inspections		
SITE LOCATION MAP		
ENRX BCP – SEWER CONNECTION PLAN		
DIAMOND HURWITZ SCRAP, LLC		
766 NEW BABCOCK STREET		
BUFFALO, NEW YORK		
DRAWN BY: LSP	SCALE: NOT TO SCALE	PROJECT: 00913
CHECKED BY: EB	DATE: 08/2021	FIGURE NO: 2

Part 1

Permit #: 24-10-BU136

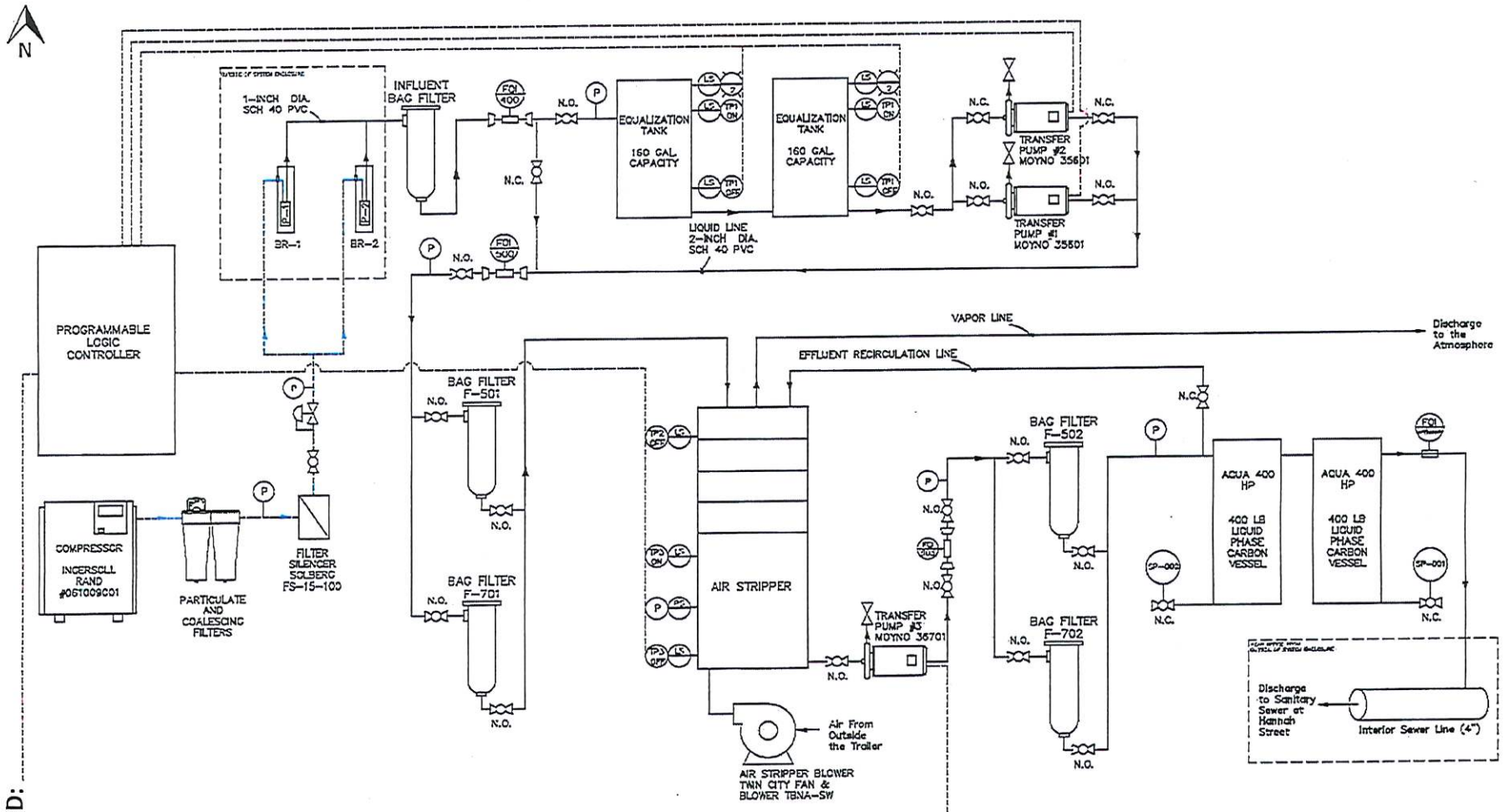
Part I: SPECIFIC CONDITIONS

D. SITE MAPS CONTINUED:



ENVIRONMENTAL ADVANTAGE, INC.		
Regulatory Compliance – Site Investigations – Facility Inspections		
BROWNFIELD CLEANUP PROGRAM (BCP) SITE MAP		
FORMER ENRX, INC. – VOELKER ANALYSIS SITE C915150		
766 NEW BABCOCK STREET, BUFFALO, NEW YORK		
ENRX ANNEX SITE C915325		
50 HANNAH STREET, BUFFALO, NEW YORK		
DRAWN BY: LSP	SCALE: NOT TO SCALE	PROJECT: 00913
CHECKED BY: SGS	DATE: 08/2021	FIGURE NO: 3

D. SITE MAPS CONTINUED:



LEGEND

- GATE VALVE
- CHECK VALVE
- BALL VALVE
- QUICK DISCONNECT
- PRESSURE REGULATOR
- FILTER
- ELECTRIC CONTROL LINES
- TEMPERATURE GAUGE
- VACUUM GAUGE
- PRESSURE GAUGE
- SWITCH
- ALARM
- FLOW TOTALIZER
- REDUCER

ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance – Site Investigations – Facility Inspections

PIPING & INSTRUMENTATION DIAGRAM – GROUNDWATER TREATMENT SYSTEM

766 NEW BABCOCK STREET
BUFFALO, NEW YORK

DIAMOND HURWITZ SCRAP, LLC
BUFFALO, NEW YORK

PROVIDED BY: CHRISTINE CURTIS, PE	SCALE: NOT TO SCALE	PROJECT: 00913
	DATE: 07/2024	FIGURE NO: 1

BUFFALO POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

PART II: GENERAL CONDITIONS

A. MONITORING AND REPORTING

1. Local Limits

Except as otherwise specified in this permit, the permit holder shall comply with all specific prohibitions, limits on pollutants or pollutant parameters set forth in the Buffalo Sewer Authority Sewer Use Regulations, as amended from time to time, and such prohibitions, limits and parameters shall be deemed pretreatment standards for purposes for the Clean Water Act.

2. Definitions

Definitions of terms contained in this permit are as defined in the Buffalo Sewer Authority Sewer Use Regulations.

3. Discharge Sampling Analysis

All Wastewater discharge samples and analyses and flow measurements shall be representative of the volume and character of the monitored discharge. Methods employed for flow measurements and sample collections and analyses shall conform to the Buffalo Sewer Authority "Sampling Measurement and Analytical Guidelines Sheet".

4. Recording of Results

For each measurement or sample taken pursuant to the requirements of the permit, the permittee shall record the information as required in the "Sampling Measurement and Analytical Guidelines Sheet".

5. Additional Monitoring by Permittee

If the permittee monitors any pollutants at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified in 40 CFR Part 136 the results of such monitoring shall be included in the calculation and reporting of values required under Part I, B. Such increased frequency shall also be indicated.

6. Reporting

All reports prepared in accordance with this Permit shall be submitted to:

Industrial Waste Section
Buffalo Sewer Authority Treatment Plant
90 West Ferry Street
Buffalo, New York 14213

All self-monitoring reports shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines Sheet". These reporting requirements shall not relieve the permittee of any other reports, which may be required by the N.Y.S.D.E.C. or the U.S.E.P.A.

7. Certification Statement

All self-monitoring reports shall include the following certification statement, signed by the preparer of the report:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the systems, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations".

B. PERMITTEE REQUIREMENTS

1. Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit and with the information contained in the BPDES permit application on which basis this permit is granted. In the event of any facility expansions, production increases, process modifications or the installation, modification or repair of any pretreatment equipment which may result in new, different or increased discharges of pollutants, a new BPDES Permit application must be submitted prior to any change. Following receipt of an amended application, the BSA may modify this permit to specify and limit any pollutants not previously limited. In the event that the proposed change will be covered under an applicable Categorical Standard, a Baseline Monitoring Report must be submitted at least ninety (90) days prior to any discharge.

2. Records Retention

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed, calibration and maintenance of instrumentation, and recordings from continuous monitoring instrumentation shall be retained at this facility for a minimum of three (3) years, or longer if requested by the General Manager.

3. Slug Control Plan

Upon written notification by the BSA that a slug control plan is necessary for the permittee, the plan shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines" sheet. Within 90 days of the BSA notification, the permittee must implement the slug control plan

4. Notification of Slug, Accidental Discharge or Spill

In the event that a slug, accidental discharge or any spill occurs at the facility for which this permit is issued, it is the responsibility of the permittee to immediately notify the B.S.A. Treatment Plant of the quantity and character of such discharge. During normal business hours, Monday – Friday, 7:30 AM - 3:00 PM call 716-851-4664, ext. 5374. After normal business hours call 716-851-4664, ext. 600. For all slug discharges, and when requested by the BSA following an accidental discharge or spill, within five (5) days following all such discharges, the permittee shall submit a report describing the character and duration of the discharge, the cause of the discharge, and measures taken or that will be taken to prevent a recurrence of such discharge.

5. Noncompliance Notification

If, for any reason, the permittee does not comply with or will be unable to comply with any discharge limitation specified in this permit, the permittee or their assigns must verbally notify the Industrial Waste Section at 716-851-4664 ext. 5374 within twenty-four (24) hours of becoming aware of the violation. The permittee shall provide the Industrial Waste Section with the following information, in writing, within five (5) days of becoming aware of such condition:

a. a description of the discharge and cause of noncompliance and;

b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the non-complying discharge.

Additionally, the permittee shall repeat the sampling and analysis and submit these results of the report analysis to the Industrial Waste Section within 30 days after becoming aware of the violation.

6. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to the Buffalo Sewerage System resulting from noncompliance with any discharge limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

7. Waste Residuals

Solids, sludges, filter backwash or other pollutants removed in the course of treatment or control of wastewaters and/or the treatment of intake waters, shall be disposed of in a manner such as to prevent any pollutant from such materials from entering the Buffalo Sewer System.

8. Power Failures

In order to maintain compliance with the discharge limitations and prohibitions of this permit, the permittee shall provide an alternative power source sufficient to operate the wastewater control facilities; or, if such alternative power source is not provided the permittee shall halt, reduce or otherwise control production and/or controlled discharges upon the loss of power to the wastewater control facilities.

9. Treatment Upsets

a. Any industrial user which experiences an upset in operations that places it in a temporary state of noncompliance, which is not the result of operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation, shall inform the Industrial Waste Section immediately upon becoming aware of the upset. Where such information is given verbally, a written report shall be filed by the user within five (5) days. The report shall contain:

(i) A description of the upset, its cause(s) and impact on the discharger's compliance status;

(ii) The duration of noncompliance, including exact dates and times of noncompliance, and if the non-compliance is continuing, the time by which compliance is reasonably expected to be restored;

(iii) All steps taken or planned to reduce, eliminate, and prevent recurrence of such an upset.

b. An industrial user which complies with the notification provisions of this Section in a timely manner shall have an affirmative defense to any enforcement action brought by the Industrial Waste Section for any

noncompliance of the limits in this permit, which arises out of violations attributable to and alleged to have occurred during the period of the documented and verified upset.

10. Treatment Bypasses

a. A bypass of the treatment system is prohibited unless the following conditions are met:

(i) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; or

(ii) There was no feasible alternative to the bypass, including the use of auxiliary treatment or retention of the wastewater; and

(iii) The industrial user properly notified the Industrial Waste Section as described in paragraph b. below.

b. Industrial users must provide immediate notice to the Industrial Waste Section upon discovery of an unanticipated bypass. If necessary, the Industrial Waste Section may require the industrial user to submit a written report explaining the cause(s), nature, and duration of the bypass, and the steps being taken to prevent its recurrence.

c. An industrial user may allow a bypass to occur which does not cause pretreatment standards or requirements to be violated, but only if it is for essential maintenance to ensure efficient operation of the treatment system. Industrial users anticipating a bypass must submit notice to the Industrial Waste Section at least ten (10) days in advance. The Industrial Waste Section may only approve the anticipated bypass if the circumstances satisfy those set forth in paragraph a. above.

C. PERMITTEE RESPONSIBILITIES

1. Permit Availability

The originally signed permit must be available upon request at all times for review at the address stated on the first page of this permit.

2. Inspections

The permittee shall allow the General Manager of the Buffalo Sewer Authority and/or his authorized representatives, upon the presentation of credentials and during normal working hours or at any other reasonable times, to have access to and copy any records required in this permit; and to sample any discharge of pollutants.

3. Transfer of Ownership or Control

In the event of any change in control or ownership of facilities for which this permit has been issued the permit shall become null and void. The succeeding owner shall submit a completed Buffalo Sewer Authority permit application prior to discharge to the sewer system.

D. PERMITTEE LIABILITIES

1. Permit Modification

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to the following:

a. Violation of any terms or conditions of this permit,

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts,

c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

2. Imminent Danger

In the event there exists an imminent danger to health or property, the permitter reserves the right to take immediate action to halt the permitted discharge to the sewerage works.

3. Civil and Criminal Liability

Nothing in this permit shall relieve the permittee from any requirements, liabilities, or penalties under provisions of the "Sewer Regulations of the Buffalo Sewer Authority" or any Federal, State and/or local laws or regulations.

E. NATIONAL PRETREATMENT STANDARDS

If a pretreatment standard or prohibition (including any Schedule of Compliance specified in such pretreatment standard or prohibition) is established under Section 307 (b) of the Act for a pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with such pretreatment standard or prohibition.

F. PLANT CLOSURE

In the event of plant closure, the permittee is required to notify the Industrial Waste Section in writing as soon as an anticipated closure date is determined, but in no case later than five days of the actual closure.

G. CONFIDENTIALITY

Except for data determined to be confidential under Section 308 of the Act, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Buffalo Sewer Authority. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

H. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

APPENDIX C

O&M Log Sheets

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 8-7-24

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By SUM Semi-Monthly _____ Quarterly _____ Maintenance/Repairs _____

Groundwater Treatment System Status Upon Arrival: (On) / Off

Comments: _____

Pneumatic Pumps:

BR-1 Operational Upon Arrival: On / (Off)

Cycle Counter Reading: _____ Cycles Per Minute: /

BR-2 Operational Upon Arrival: (On) / Off

Cycle Counter Reading: / Cycles Per Minute: 17

Comments: BR1 Not Pumping, needs pulled & evaluated.

Totalizers:

FQI-400 (Influent): _____ Gallons Flow Rate: _____ GPM

FQI-500 (Post-OWS): 636913 Gallons Flow Rate: _____ GPM

FQI-603 (Post-Stripper): Needs Battery Gallons Flow Rate: ✓ GPM

End Totalizer (mechanical tot.): 1,049,128.9 Gallons

Comments: _____

* - Need 55 gallon drum for Bag filters. EA Just disposed of them.

8-7-24

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Air Compressor:

Hold Tank: 110 PSI

Pumps: 50 PSI

Run Hours: ✓ hours

Comments: _____

Bag Filters:

Primary Bag Filter (Influent)

Inlet: 60+ PSI

Outlet: 48 PSI

Changed: Yes / No

F-501 & F-701 (Pre-Stripper)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-502 & F-702 (Pre-Carbon)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

Comments: _____

8-7.24

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Carbon Filters:

Are both carbon filters operating in-line: Yes / No

Backflushed: Yes / No

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

_____

_____

Oil/Water Separator:

Is LNAPL Present: Yes / No

Was and LNAPL drained into holding drum: Yes / No

Comments: _____

_____

_____

Air Stripper:

Air Flow Rate: _____" H2O

Recirculation valve to carbon: Open / Closed

Comments: _____

_____

_____

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 8-7-14

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By: Sim Semi-Monthly X Quarterly Maintenance/Repairs

SSDS Status Upon Arrival: On / Off

Comments:

Pre-Filter Vacuum Measurement: 48 " H2O

Post-Filter Vacuum Measurement: 44 " H2O

Post-Blower Pressure Measurement: – PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points:

Point ID	Vacuum ("H2O)
VP-1	7
VP-1A	7
VP-2	19
VP-3	10

Vapor Monitoring Points:

Point ID	Vacuum ("H2O)
P-1	
P-2	
P-3	
P-4	
P-5	
P-6	
P-7	
P-8	

Comments/Maintenance Performed: VP2 - Top of tee needs Repaired. No G/W, Broken PVC at 45° near flr Broken. - .

Worksite: EP Niagara metals Date: 8/2/24

tl 20 003	
System on upon Arrival	
BR1 powered up Removed cloud	
Restarted at 12 cpm	
BR2 on	12 cpm
FQI 500	644110 169gpm
FQI 630	0 Dew Bottles
End Totalizer	1056289
Air com Hold	130 PSi
To Pumps	45 PSi
Bag Primary	changed
Pre STRipper	changed
Pre carbon	in 40 changed
	out 52

Worksite: EA Diagrace metals 20-003 Date: 8/21/24

Carbon in Line Yes
Back flushed NO

Liquid NO

Air Stripper Recirculation closed

Sub Slab OFF

Pre filter -50
Post filter -44
Post Blower 0

	VOC - H20
VP1	-7
VP1A	-7
VP2	-18
VP3	-11

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 7/11/24

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By BO Semi-Monthly _____ Quarterly _____ Maintenance/Repairs _____

Groundwater Treatment System Status Upon Arrival: On / Off

Comments: _____

Pneumatic Pumps:

BR-1 Operational Upon Arrival: On / Off

Cycle Counter Reading: _____ Cycles Per Minute: 11

BR-2 Operational Upon Arrival: On / Off

Cycle Counter Reading: _____ Cycles Per Minute: 11

Comments: _____

Totalizers:

FQI-400 (Influent): _____ Gallons Flow Rate: _____ GPM

FQI-500 (Post-OWS): 662820 Gallons Flow Rate: 16-17 GPM

FQI-603 (Post-Stripper): 1075081 Gallons Flow Rate: _____ GPM

Comments: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Air Compressor:

Hold Tank: 125 PSI

Pumps: 60 PSI

Run Hours: _____ hours

Comments: _____

Bag Filters:

Primary Bag Filter (Influent)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-501 & F-701 (Pre-Stripper)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-502 & F-702 (Pre-Carbon)

Inlet: _____ PSI

Outlet: 10 PSI

Changed: Yes / No

Comments: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Carbon Filters:

Are both carbon filters operating in-line: Yes / No

Backflushed: Yes / No

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

_____

_____

Oil/Water Separator:

Is LNAPL Present: Yes / No

Was and LNAPL drained into holding drum: Yes / No

Comments: _____

_____

_____

Air Stripper:

Air Flow Rate: _____ " H2O

Recirculation valve to carbon: Open / Closed

Comments: _____

_____

_____

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: [redacted] 9/11/24

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By: [redacted] RL Semi-Monthly X Quarterly Maintenance/Repairs

SSDS Status Upon Arrival: On / Off

Comments: [redacted]

Pre-Filter Vacuum Measurement: 48 " H2O

Post-Filter Vacuum Measurement: 42 " H2O

Post-Blower Pressure Measurement: PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points:

Point ID	Vacuum ("H2O)
VP-1	9
VP-2	18
VP-3	10
~~VP-4~~ VP-1	8

Vapor Monitoring Points:

Point ID	Vacuum ("H2O)
P-1	
P-2	
P-3	
P-4	
P-5	
P-6	
P-7	
P-8	

Comments/Maintenance Performed:

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 9/23/24

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.

Performed By RR Semi-Monthly X Quarterly _____ Maintenance/Repairs

Groundwater Treatment System Status Upon Arrival: On / Off

Comments:

Pneumatic Pumps:

BR-1 Operational Upon Arrival: On / Off

Cycle Counter Reading: _____ Cycles Per Minute: 7

BR-2 Operational Upon Arrival: On / Off

Cycle Counter Reading: _____ Cycles Per Minute: 17

Comments:

Totalizers:

FQI-400 (Influent): _____ Gallons Flow Rate: _____ GPM

FQI-500 (Post-OWS): 674807 Gallons Flow Rate: 15.63 GPM

FQI-603 (Post-Stripper): 21833 Gallons Flow Rate: _____ GPM

End Totalizer (mechanical tot.): 1086900 Gallons

Comments:

Air Compressor:

Hold Tank: 1040 115 PSI

Pumps: 45 PSI

Run Hours: _____ hours

Comments:

Bag Filters:

Primary Bag Filter (Influent)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-501 & F-701 (Pre-Stripper)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-502 & F-702 (Pre-Carbon)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

Comments:

Carbon Filters:

Are both carbon filters operating in-line: Yes / No

Backflushed: Yes / No

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments:

Oil/Water Separator:

Is LNAPL Present: Yes / No

Was and LNAPL drained into holding drum: Yes / No

Comments:

Air Stripper:

Air Flow Rate: _____" H2O

Recirculation valve to carbon: Open / Closed

Comments:

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 9/23/24

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.

Performed By: AL Semi-Monthly X X Quarterly _____Maintenance/Repairs

SSDS Status Upon Arrival: On / Off

Comments:

Pre-Filter Vacuum Measurement: 50 " H2O

Post-Filter Vacuum Measurement: 42 " H2O

Post-Blower Pressure Measurement: _____PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points: **Vapor Monitoring**

Points:

Point ID	Vacuum ("H2O)	Point ID	Vacuum ("H2O)
VP-1	11	P-1	
VP-1A	8	P-2	
VP-2	18	P-3	
VP-3	11	P-4	
		P-5	
		P-6	
		P-7	
		P-8	

Comments/Maintenance Performed:

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 10/8/2024

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.

Performed By AB Semi-Monthly Quarterly Maintenance/Repairs

Groundwater Treatment System Status Upon Arrival: On / Off

Comments:

Pneumatic Pumps:

BR-1 Operational Upon Arrival: On / Off

Cycle Counter Reading: / Cycles Per Minute: 14

BR-2 Operational Upon Arrival: On / Off

Cycle Counter Reading: / Cycles Per Minute: 8

Comments:

Totalizers:

FQI-400 (Influent): / Gallons Flow Rate: _____GPM

FQI-500 (Post-OWS): 687936 Gallons Flow Rate: 15.75 _____GPM

FQI-603 (Post-Stripper): 295262 Gallons Flow Rate: 14.36 _____GPM

End Totalizer (mechanical tot.): 11001442 Gallons

Comments:

Air Compressor:

Hold Tank: 124 PSI

Pumps: 44 PSI

Run Hours: ✓ hours

Comments:

Bag Filters:

Primary Bag Filter (Influent)

Inlet: ✓ PSI

Outlet: ✓ PSI

Changed: Yes / No

F-501 & F-701 (Pre-Stripper)

Inlet: ✓ PSI

Outlet: ✓ PSI

Changed: Yes / No

F-502 & F-702 (Pre-Carbon)

Inlet: 0 PSI ?

Outlet: 40 PSI

Changed: Yes / No

Comments:

Carbon Filters:

Are both carbon filters operating in-line: Yes / No

Backflushed: Yes / No

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments:

Oil/Water Separator:

Is LNAPL Present: Yes / No

Was and LNAPL drained into holding drum: Yes / No

Comments:

Air Stripper:

Air Flow Rate: _____" H2O

Recirculation valve to carbon: Open / Closed

Comments:

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 10/8/2024

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.

Performed By: PB Semi-Monthly X Quarterly _____Maintenance/Repairs

SSDS Status Upon Arrival: On / Off

Comments:

Pre-Filter Vacuum Measurement: -50 " H2O

Post-Filter Vacuum Measurement: 44 " H2O

Post-Blower Pressure Measurement: 10 PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points: **Vapor Monitoring**

Points:

Point ID	Vacuum ("H2O)	Point ID	Vacuum ("H2O)
VP-1	-7	P-1	
VP-1A	-7	P-2	
VP-2	-18	P-3	
VP-3	-10	P-4	
		P-5	
		P-6	
		P-7	
		P-8	

Comments/Maintenance Performed:

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 10/23/24

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.

Performed By ZBSK Semi-Monthly X Quarterly _____ Maintenance/Repairs

Groundwater Treatment System Status Upon Arrival: On / Off

Comments:

Pneumatic Pumps:

BR-1 Operational Upon Arrival: On / Off

Cycle Counter Reading: X Cycles Per Minute: 18

BR-2 Operational Upon Arrival: On / Off

Cycle Counter Reading: X Cycles Per Minute: 9

Comments:

Totalizers:

FQI-400 (Influent): X Gallons Flow Rate: _____ GPM

FQI-500 (Post-OWS): 700304 Gallons Flow Rate: 15.33 GPM

FQI-603 (Post-Stripper): 384855 Gallons Flow Rate: 14.36 GPM

End Totalizer (mechanical tot.): 1112310.4 Gallons

Comments:

Air Compressor:

Hold Tank: 135 PSI

Pumps: 42 PSI

Run Hours: _____ hours

Comments:

Bag Filters:

Primary Bag Filter (Influent)

Inlet: ✓ PSI

Outlet: ✓ PSI

Changed: Yes / No

F-501 & F-701 (Pre-Stripper)

Inlet: ✓ PSI

Outlet: ✓ PSI

Changed: Yes / No

F-502 & F-702 (Pre-Carbon)

Inlet: ✓ PSI

Outlet: ✓ PSI

Changed: Yes / No

Comments:

Carbon Filters:

Are both carbon filters operating in-line: Yes / No

Backflushed: Yes / No

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments:

Oil/Water Separator:

Is LNAPL Present: Yes / No

Was and LNAPL drained into holding drum: Yes / No

Comments:

Air Stripper:

Air Flow Rate: _____" H2O

Recirculation valve to carbon: Open / Closed

Comments:

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 10/23/24

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.

Performed By: BR/SK Semi-Monthly ~~X~~ X Quarterly _____Maintenance/Repairs

SSDS Status Upon Arrival: On / Off

Comments:

Pre-Filter Vacuum Measurement: 50 " H2O

Post-Filter Vacuum Measurement: 40 " H2O

Post-Blower Pressure Measurement: _____PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points: **Vapor Monitoring**

Points:

Point ID	Vacuum ("H2O)	Point ID	Vacuum ("H2O)
VP-1	8	P-1	
VP-1A	7	P-2	
VP-2	18	P-3	
VP-3	12	P-4	
		P-5	
		P-6	
		P-7	
		P-8	

Comments/Maintenance Performed:

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 10/31/2024

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.

Performed By AB (Semi-Monthly) Quarterly Maintenance/Repairs

Groundwater Treatment System Status Upon Arrival: On / Off

Comments:

Pneumatic Pumps:

BR-1 Operational Upon Arrival: On / Off NOT Pumping Jammed Removed & cleaned intake

Cycle Counter Reading: _____ Cycles Per Minute: 12

BR-2 Operational Upon Arrival: On / Off Coffee cleaning

Cycle Counter Reading: _____ Cycles Per Minute: 10

Comments:

Totalizers:

FQI-400 (Influent): _____ Gallons Flow Rate: _____ GPM

FQI-500 (Post-OWS): 707/17 Gallons Flow Rate: 15.49 _____ GPM

FQI-603 (Post-Stripper): [illegible] Gallons Flow Rate: 14.00 _____ GPM

433527

End Totalizer (mechanical tot.): 1119168 Gallons

Comments:

Air Compressor:

Hold Tank: 130 PSI

Pumps: 45 PSI

Run Hours: / hours

Comments:

Bag Filters:

Primary Bag Filter (Influent)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-501 & F-701 (Pre-Stripper)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-502 & F-702 (Pre-Carbon)

Inlet: 55 PSI

Outlet: 40 PSI

Changed: Yes / No

Comments:

Carbon Filters:

Are both carbon filters operating in-line: Yes / No

Backflushed: Yes / No

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments:

Oil/Water Separator:

Is LNAPL Present: Yes / No

Was and LNAPL drained into holding drum: Yes / No

Comments:

Air Stripper:

Air Flow Rate: _____" H2O

Recirculation valve to carbon: Open / Closed

Comments:

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 10/31/24

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.

Performed By: PB ~~Semi-Monthly~~ X Quarterly _____Maintenance/Repairs

SSDS Status Upon Arrival: On / Off

Comments:

Pre-Filter Vacuum Measurement: 50 " H2O

Post-Filter Vacuum Measurement: 44 " H2O

Post-Blower Pressure Measurement: 0 PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points: **Vapor Monitoring**

Points:

Point ID	Vacuum ("H2O)	Point ID	Vacuum ("H2O)
VP-1	7	P-1	
VP-1A	7	P-2	
VP-2	18	P-3	
VP-3	11	P-4	
		P-5	
		P-6	
		P-7	
		P-8	

Comments/Maintenance Performed:

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 11/8/24

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By _____ Semi-Monthly ✓ Quarterly _____ Maintenance/Repairs _____

Groundwater Treatment System Status Upon Arrival: On / Off

Comments: _____

Pneumatic Pumps:

BR-1 Operational Upon Arrival: On / Off

Cycle Counter Reading: _____ Cycles Per Minute: 18

BR-2 Operational Upon Arrival: On / Off

Cycle Counter Reading: _____ Cycles Per Minute: 8

Comments: _____

Totalizers:

FQI-400 (Influent): — Gallons Flow Rate: — GPM

FQI-500 (Post-OWS): 713849.0 Gallons Flow Rate: 15.49 GPM

FQI-603 (Post-Stripper): 49188.0 Gallons Flow Rate: 14.80 GPM

End Totalizer (mechanical tot.): _____ Gallons

Comments: _____

Air Compressor:

Hold Tank: 138 PSI

Pumps: 45 PSI

Run Hours: _____ hours

Comments: _____

_____

_____

Bag Filters:

Primary Bag Filter (Influent)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-501 & F-701 (Pre-Stripper)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-502 & F-702 (Pre-Carbon)

Inlet: 55 PSI

Outlet: 40 PSI

Changed: Yes / No

Comments: _____

_____

_____

Carbon Filters:



GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Are both carbon filters operating in-line: Yes / No

Backflushed: Yes / No

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

_____

_____

Oil/Water Separator:

Is LNAPL Present: Yes / No

Was and LNAPL drained into holding drum: Yes / No

Comments: _____

_____

_____

Air Stripper:

Air Flow Rate: _____ " H2O

Recirculation valve to carbon: Open / Closed

Comments: _____

_____

_____

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 11/8/24

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By: MM Semi-Monthly X Quarterly Maintenance/Repairs

SSDS Status Upon Arrival: On / Off

Comments:

Pre-Filter Vacuum Measurement: 53 " H2O

Post-Filter Vacuum Measurement: 47 " H2O

Post-Blower Pressure Measurement: 0 PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points:

Point ID	Vacuum ("H2O)
VP-1	7
VP-1A	7
VP-2	19
VP-3	11

Vapor Monitoring Points:

Point ID	Vacuum ("H2O)
P-1	
P-2	
P-3	
P-4	
P-5	
P-6	
P-7	
P-8	

Comments/Maintenance Performed:

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: RR 11/21/24

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St,

Performed By RR Semi-Monthly X Quarterly _____Maintenance/Repairs

Groundwater Treatment System Status Upon Arrival: (On) / Off

Comments: pumps manual Samson, Pulsar + regulator pumps, working when left

---

Pneumatic Pumps:

BR-1 Operational Upon Arrival: On / Off

Cycle Counter Reading: _____ Cycles Per Minute: 11

BR-2 Operational Upon Arrival: On / Off

Cycle Counter Reading: _____ Cycles Per Minute: 7

Comments:

Totalizers:

FQI-400 (Influent): _____ Gallons Flow Rate: _____GPM

FQI-500 (Post-OWS): 713849 Gallons Flow Rate: 16.08 _____GPM

FQI-603 (Post-Stripper): _____ 49247.4 Gallons Flow Rate: 14.00 _____GPM

End Totalizer (mechanical tot.): _____ 1125070.74 Gallons

Comments:

Air Compressor:

Hold Tank: 138 PSI

Pumps: 45 PSI

Run Hours: _____ hours

Comments:

Bag Filters:

Primary Bag Filter (Influent)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-501 & F-701 (Pre-Stripper)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-502 & F-702 (Pre-Carbon)

Inlet: 55 PSI

44

Outlet: _____ PSI

Changed: Yes / No

Comments:

Carbon Filters:

Are both carbon filters operating in-line: Yes / No

Backflushed: Yes / No

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments:

Oil/Water Separator:

Is LNAPL Present: Yes / No

Was and LNAPL drained into holding drum: Yes / No

Comments:

Air Stripper:

Air Flow Rate: _____ " H2O

Recirculation valve to carbon: Open / Closed

Comments:

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 11/21/24

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.

Performed By: RR Semi-Monthly X Quarterly _____Maintenance/Repairs

SSDS Status Upon Arrival: On / Off

Comments:

Pre-Filter Vacuum Measurement: 53 " H2O

Post-Filter Vacuum Measurement: 47 " H2O

Post-Blower Pressure Measurement: _____PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points: **Vapor Monitoring Points:**

Point ID	Vacuum ("H2O)	Point ID	Vacuum ("H2O)
VP-1	7	P-1	
VP-1A	7	P-2	
VP-2	16	P-3	
VP-3	11	P-4	
		P-5	
		P-6	
		P-7	
		P-8	

Comments/Maintenance Performed:

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 12/3/24

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By RR Semi-Monthly X Quarterly _____ Maintenance/Repairs _____

Groundwater Treatment System Status Upon Arrival: (On) / Off

Comments: Off for 1 hammer to begin pumping

Pneumatic Pumps:

BR-1 Operational Upon Arrival: (On) / Off

Cycle Counter Reading: ✓ Cycles Per Minute: 12

BR-2 Operational Upon Arrival: On / Off

Cycle Counter Reading: ✓ Cycles Per Minute: 6

Comments:

Totalizers:

FQI-400 (Influent): _____ Gallons Flow Rate: _____ GPM

FQI-500 (Post-OWS): 721109 Gallons Flow Rate: 15.76 GPM

FQI-603 (Post-Stripper): 53474.2 Gallons Flow Rate: _____ GPM

End Totalizer (mechanical tot.): 1132931 Gallons

Comments:

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Air Compressor:

Hold Tank: 134 max 110 PSI

Pumps: 45 PSI

Run Hours: _____ hours

Comments: _____

Bag Filters:

Primary Bag Filter (Influent)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-501 & F-701 (Pre-Stripper)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-502 & F-702 (Pre-Carbon)

Inlet: 55 PSI

Outlet: 47 PSI

Changed: Yes / No

Comments: _____

Carbon Filters:

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Are both carbon filters operating in-line: Yes / No

Backflushed: Yes / No

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

_____

_____

Oil/Water Separator:

Is LNAPL Present: Yes / No

Was and LNAPL drained into holding drum: Yes / No

Comments: _____

_____

_____

Air Stripper:

Air Flow Rate: _____ " H2O

Recirculation valve to carbon: Open / Closed

Comments: _____

_____

_____

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 12/3/24

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By: RR Semi-Monthly X Quarterly _____ Maintenance/Repairs _____

SSDS Status Upon Arrival: (On) / Off

Comments: _____

Pre-Filter Vacuum Measurement: 50 " H2O

Post-Filter Vacuum Measurement: 45 " H2O

Post-Blower Pressure Measurement: _____ PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points:

Point ID	Vacuum ("H2O)
VP-1	8
VP-1A	7
VP-2	18
VP-3	11

Vapor Monitoring Points:

Point ID	Vacuum ("H2O)
P-1	
P-2	
P-3	
P-4	
P-5	
P-6	
P-7	
P-8	

Comments/Maintenance Performed: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 12/19/24

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By MH/WC/TAW Semi-Monthly √ Quarterly _____ Maintenance/Repairs _____

Groundwater Treatment System Status Upon Arrival: (On) / Off

Comments: _____

Pneumatic Pumps:

BR-1 Operational Upon Arrival: (On) / Off

Cycle Counter Reading: _____ Cycles Per Minute: 16

BR-2 Operational Upon Arrival: (On) / Off

Cycle Counter Reading: _____ Cycles Per Minute: 10

Comments: _____

Totalizers:

FQI-400 (Influent): _____ Gallons Flow Rate: _____ GPM

FQI-500 (Post-OWS): 734607 Gallons Flow Rate: 7.77 GPM

FQI-603 (Post-Stripper): 73379.7 Gallons Flow Rate: 0 GPM

End Totalizer (mechanical tot.): 1146255 Gallons

Comments: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Air Compressor:

Hold Tank: 105 PSI

Pumps: 45 PSI

Run Hours: _____ hours

Comments: _____

Bag Filters:

Primary Bag Filter (Influent)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-501 & F-701 (Pre-Stripper)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-502 & F-702 (Pre-Carbon)

Inlet: 56 PSI

Outlet: 48 PSI

Changed: Yes / No

Comments: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Carbon Filters:

Are both carbon filters operating in-line: (Yes) / No

Backflushed: Yes / (No)

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

_____

_____

Oil/Water Separator:

Is LNAPL Present: Yes / (No)

Was and LNAPL drained into holding drum: Yes (No)

Comments: _____

_____

_____

Air Stripper:

Air Flow Rate: _____ " H2O

Recirculation valve to carbon: (Open) / Closed

Comments: _____

_____

_____

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: _____

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By: _____ Semi-Monthly X Quarterly _____ Maintenance/Repairs _____

SSDS Status Upon Arrival: (On) / Off

Comments: _____

Pre-Filter Vacuum Measurement: 50 " H2O

Post-Filter Vacuum Measurement: 55 " H2O

Post-Blower Pressure Measurement: [illegible] 0 PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points:

Point ID	Vacuum ("H2O)
VP-1	7
VP-1A	7
VP-2	18
VP-3	11

Vapor Monitoring Points:

Point ID	Vacuum ("H2O)
P-1	
P-2	
P-3	
P-4	
P-5	
P-6	
P-7	
P-8	

Comments/Maintenance Performed: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 1/6/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By NST Semi-Monthly X Quarterly _____ Maintenance/Repairs _____

Groundwater Treatment System Status Upon Arrival: (On) / Off

Comments: _____

Pneumatic Pumps:

BR-1 Operational Upon Arrival: (On) / Off

Cycle Counter Reading: ~~[illegible]~~ Cycles Per Minute: 16

BR-2 Operational Upon Arrival: (On) / Off

Cycle Counter Reading: _____ Cycles Per Minute: 12

Comments: _____

Totalizers:

FQI-400 (Influent): _____ Gallons Flow Rate: _____ GPM

FQI-500 (Post-OWS): 750833 Gallons Flow Rate: _____ GPM

FQI-603 (Post-Stripper): 74191.7 Gallons Flow Rate: _____ GPM

End Totalizer (mechanical tot.): 1161308.2 Gallons

Comments: _____

Scanned with CamScanner

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Air Compressor:

Hold Tank: 120 PSI

Pumps: 50 PSI

Run Hours: _____ hours

Comments: _____

Bag Filters:

Primary Bag Filter (Influent)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: (Yes) / No

F-501 & F-701 (Pre-Stripper)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: (Yes) / No

F-502 & F-702 (Pre-Carbon)

Inlet: 18 PSI

Outlet: 45 PSI

Changed: (Yes) / No

Comments: _____

Scanned with CamScanner

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Carbon Filters:

Are both carbon filters operating in-line: (Yes) / No

Backflushed: Yes / (No)

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

_____

_____

Oil/Water Separator:

Is LNAPL Present: Yes / (No)

Was and LNAPL drained into holding drum: Yes (No)

Comments: _____

_____

_____

Air Stripper:

Air Flow Rate: _____ " H2O

Recirculation valve to carbon: (Open) / Closed

Comments: _____

_____

_____

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 1/6/24

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By: NSA Semi-Monthly X Quarterly _____ Maintenance/Repairs _____

SSDS Status Upon Arrival: (On) / Off

Comments: _____

Pre-Filter Vacuum Measurement: 50 " H2O

Post-Filter Vacuum Measurement: 45 " H2O

Post-Blower Pressure Measurement: / PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points:

Point ID	Vacuum ("H2O)
VP-1	7
VP-1A	6
VP-2	16
VP-3	11

Vapor Monitoring Points:

Point ID	Vacuum ("H2O)
P-1	
P-2	
P-3	
P-4	
P-5	
P-6	
P-7	
P-8	

Comments/Maintenance Performed: VP2 is working but needs repair; it is just taped together

Scanned with CamScanner

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 1/20/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By MM Semi-Monthly ✓ Quarterly _____ Maintenance/Repairs _____

Groundwater Treatment System Status Upon Arrival: (On) / Off

Comments: Changed main bag filter

Pneumatic Pumps:

BR-1 Operational Upon Arrival: (On) / Off

Covered by Dumpster

Cycle Counter Reading: _____ Cycles Per Minute: _____

BR-2 Operational Upon Arrival: (On) / Off

Cycle Counter Reading: _____ Cycles Per Minute: 18

Comments:

Totalizers:

FQI-400 (Influent): — Gallons Flow Rate: _____ GPM

FQI-500 (Post-OWS): 761940 Gallons Flow Rate: 6.05 GPM

FQI-603 (Post-Stripper): 81330 Gallons Flow Rate: 0.0 GPM

End Totalizer (mechanical tot.): 1171902.7 Gallons

Comments:

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Air Compressor:

Hold Tank: 120 PSI

Pumps: 44 PSI

Run Hours: _____ hours

Comments: _____

_____

_____

Bag Filters:

Primary Bag Filter (Influent)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: (Yes) / No

F-501 & F-701 (Pre-Stripper)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / (No)

F-502 & F-702 (Pre-Carbon)

Inlet: 27 PSI

Outlet: 54 PSI

Changed: Yes / (No)

Comments: _____

_____

_____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Carbon Filters:

Are both carbon filters operating in-line: (Yes) / No

Backflushed: Yes / (No)

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

_____

_____

Oil/Water Separator:

Is LNAPL Present: Yes / (No)

Was and LNAPL drained into holding drum: Yes (No)

Comments: _____

_____

_____

Air Stripper:

Air Flow Rate: _____ " H2O

Recirculation valve to carbon: (Open) / Closed

Comments: _____

_____

_____

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 1/20/25

MFH Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.

Performed By: _____ Semi-Monthly X Quarterly _____Maintenance/Repairs

SSDS Status Upon Arrival: On / Off

Comments:

Pre-Filter Vacuum Measurement: 50 " H2O

Post-Filter Vacuum Measurement: 46 " H2O

Post-Blower Pressure Measurement: / PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points: **Vapor Monitoring**

Points:

Point ID	Vacuum ("H2O)	Point ID	Vacuum ("H2O)
VP-1	7	P-1	
VP-1A	6	P-2	
VP-2	17	P-3	
VP-3	10	P-4	
		P-5	
		P-6	
		P-7	
		P-8	

Comments/Maintenance Performed:

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 2/18/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By MM Semi-Monthly _____ Quarterly _____ Maintenance/Repairs _____

Groundwater Treatment System Status Upon Arrival: On / Off

Comments: changed Main and Pre stripper bag filters. System lines frozen - see notes on ASDS evals sheet

Pneumatic Pumps:

BR-1 Operational Upon Arrival: On / Off

Cycle Counter Reading: _____ Cycles Per Minute: _____

BR-2 Operational Upon Arrival: On / Off

Cycle Counter Reading: _____ Cycles Per Minute: _____

Comments: _____

Totalizers:

FQI-400 (Influent): 0 Gallons Flow Rate: _____ GPM

FQI-500 (Post-OWS): 764774 Gallons Flow Rate: _____ GPM

FQI-603 (Post-Stripper): 83109.0 Gallons Flow Rate: _____ GPM

End Totalizer (mechanical tot.): 1174529 Gallons

Comments: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Air Compressor:

Hold Tank: 100 PSI

Pumps: _____ PSI

Run Hours: _____ hours

Comments: _____

_____

_____

Bag Filters:

Primary Bag Filter (Influent)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-501 & F-701 (Pre-Stripper)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-502 & F-702 (Pre-Carbon)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

Comments: _____

_____

_____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Carbon Filters:

Are both carbon filters operating in-line: (Yes) / No

Backflushed: Yes / (No)

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

_____

_____

Oil/Water Separator:

Is LNAPL Present: Yes / (No)

Was and LNAPL drained into holding drum: Yes (No)

Comments: _____

_____

_____

Air Stripper:

Air Flow Rate: _____ " H2O

Recirculation valve to carbon: (Open) / Closed

Comments: _____

_____

_____

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 2/12/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By: MM Semi-Monthly X Quarterly _____ Maintenance/Repairs _____

SSDS Status Upon Arrival: On / (Off)

Comments: possible frozen line - heat trace unplugged - not running - reversed wires - blowing system lines - recheck system in a few days.

Pre-Filter Vacuum Measurement: 50 " H2O

Post-Filter Vacuum Measurement: 46 " H2O

Post-Blower Pressure Measurement: ✓ PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points:

Point ID	Vacuum ("H2O)
VP-1	7
VP-1A	6
VP-2	15
VP-3	11

Vapor Monitoring Points:

Point ID	Vacuum ("H2O)
P-1	
P-2	
P-3	
P-4	
P-5	
P-6	
P-7	
P-8	

Comments/Maintenance Performed: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 2/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.

Performed By MM ✓ Semi-Monthly ___Quarterly ✓ Maintenance/Repairs

Groundwater Treatment System Status Upon Arrival: On / (Off)

Comments:

System Frozen last check – restarted system after thaw.

Pneumatic Pumps:

BR-1 Operational Upon Arrival: (On) / Off

Cycle Counter Reading: _____ Cycles Per Minute: _____

BR-2 Operational Upon Arrival: (On) / Off

Cycle Counter Reading: _____ Cycles Per Minute: 15

Comments:

Totalizers:

FQI-400 (Influent): _____ Gallons Flow Rate: _____ GPM

FQI-500 (Post-OWS): 764774 Gallons Flow Rate: 0.0 GPM

FQI-603 (Post-Stripper): 83180.7 Gallons Flow Rate: 10.50 GPM

End Totalizer (mechanical tot.): 1174620 Gallons

Comments:

Air Compressor:

Hold Tank: 120 PSI

Pumps: 44 PSI

Run Hours: 1 hours

Comments:

Bag Filters:

Primary Bag Filter (Influent)

Inlet: [illegible] PSI

Outlet: [illegible] PSI

Changed: Yes / No

F-501 & F-701 (Pre-Stripper)

Inlet: 10 PSI

Outlet: 4 PSI

Changed: Yes / No

F-502 & F-702 (Pre-Carbon)

Inlet: 1 PSI

Outlet: 4 PSI

Changed: Yes / No

Comments:



Carbon Filters:

Are both carbon filters operating in-line: (Yes) / No

Backflushed: Yes (No)

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

Oil/Water Separator:

Is LNAPL Present: Yes (No)

Was and LNAPL drained into holding drum: Yes (No)

Comments: _____

Air Stripper:

Air Flow Rate: _____" H2O

Recirculation valve to carbon: (Open) / Closed

Comments: _____

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 2/25/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St. ✓
Performed By: _____ Semi-Monthly X Quarterly _____ Maintenance/Repairs _____

SSDS Status Upon Arrival: On (Off)

Comments: System Restarted, found leaks where pumps come together - Fixed and restarted

Pre-Filter Vacuum Measurement: 50 " H2O

Post-Filter Vacuum Measurement: 45 " H2O

Post-Blower Pressure Measurement: ✓ PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points:

Point ID	Vacuum ("H2O)
VP-1	7
VP-1A	6
VP-2	0
VP-3	11

Vapor Monitoring Points:

Point ID	Vacuum ("H2O)
P-1	
P-2	
P-3	
P-4	
P-5	
P-6	
P-7	
P-8	

Comments/Maintenance Performed: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 3/5/2025

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By _____ Semi-Monthly _____ Quarterly _____ Maintenance/Repairs _____

Groundwater Treatment System Status Upon Arrival: (On) / Off

Comments: _____

Pneumatic Pumps:

BR-1 Operational Upon Arrival: (On) / Off

Cycle Counter Reading: ~~_____~~ Cycles Per Minute: 20

BR-2 Operational Upon Arrival: (On) / Off

Cycle Counter Reading: ~~_____~~ Cycles Per Minute: 12

Comments: _____

Totalizers:

FQI-400 (Influent): ~~_____~~ Gallons Flow Rate: _____ GPM

FQI-500 (Post-OWS): 772926 Gallons Flow Rate: 5.43 GPM

FQI-603 (Post-Stripper): 88245.8 Gallons Flow Rate: _____ GPM

End Totalizer (mechanical tot.): 182076 Gallons

Comments: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Air Compressor:

Hold Tank: 138 PSI

Pumps: 45 PSI

Run Hours: ✓ hours

Comments:

Bag Filters:

Primary Bag Filter (Influent)

Inlet: ✓ PSI

Outlet: ✓ PSI

Changed: Yes / No

F-501 & F-701 (Pre-Stripper)

Inlet: ✓ PSI

Outlet: ✓ PSI

Changed: Yes / No

F-502 & F-702 (Pre-Carbon)

Inlet: ✓ PSI

Outlet: 47 PSI

Changed: Yes / No

Comments:

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Carbon Filters:

Are both carbon filters operating in-line: Yes / No

Backflushed: Yes / No

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

_____

_____

Oil/Water Separator:

Is LNAPL Present: Yes / No

Was and LNAPL drained into holding drum: Yes / No

Comments: _____

_____

_____

Air Stripper:

Air Flow Rate: _____" H2O

Recirculation valve to carbon: Open / Closed

Comments: _____

_____

_____

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 3/5/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By: _____ Semi-Monthly X Quarterly _____ Maintenance/Repairs _____

SSDS Status Upon Arrival: On / Off

Comments: _____

Pre-Filter Vacuum Measurement: 50 " H2O

Post-Filter Vacuum Measurement: 45 " H2O

Post-Blower Pressure Measurement: / PSI

Effluent Air PID Measurement: 0 ppm

1182076 gal
totalizer

Vapor Extraction Points:

Point ID	Vacuum ("H2O)
VP-1	7
VP-1A	7
VP-2	0 - *
VP-3	11

Vapor Monitoring Points:

Point ID	Vacuum ("H2O)
P-1	
P-2	
P-3	
P-4	
P-5	
P-6	
P-7	
P-8	

Comments/Maintenance Performed: * VP2 line connection loose/broken @ floor
leaking Air pressure - taped

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 3/17/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.

Performed By MM V Semi-Monthly ___Quarterly _____Maintenance/Repairs

Groundwater Treatment System Status Upon Arrival: (On) / Off

Comments:

Pneumatic Pumps:

BR-1 Operational Upon Arrival: On / Off

Cycle Counter Reading: 0 Cycles Per Minute: 0 20

BR-2 Operational Upon Arrival: On / Off

Cycle Counter Reading: 0 Cycles Per Minute: 6

Comments:

Totalizers:

FQI-400 (Influent): _____GPM _____Gallons Flow Rate:

FQI-500 (Post-OWS): _____GPM 785931 Gallons Flow Rate: 5.0 GPM

FQI-603 (Post-Stripper): _____GPM 96330 Gallons Flow Rate: 12.94

End Totalizer (mechanical tot.): 1193828 Gallons

Comments:

Air Compressor:

Hold Tank: [redacted] 124 PSI

Pumps: 126 PSI

Run Hours: [redacted] hours

Comments:

Bag Filters:

Primary Bag Filter (Influent)

Inlet: 5 PSI

Outlet: _____ PSI

Changed (Yes / No)

F-501 & F-701 (Pre-Stripper)

Inlet: 4 PSI

Outlet: _____ PSI

Changed: Yes (No)

F-502 & F-702 (Pre-Carbon)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes (No)

Comments:

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Carbon Filters:

Are both carbon filters operating in-line: (Yes) / No

Backflushed: Yes / (No)

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

_____

_____

Oil/Water Separator:

Is LNAPL Present: Yes / (No)

Was and LNAPL drained into holding drum: Yes (No)

Comments: _____

_____

_____

Air Stripper:

Air Flow Rate: _____ " H2O

Recirculation valve to carbon: (Open) / Closed

Comments: _____

_____

_____

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 3/17/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By: MH Semi-Monthly X Quarterly Maintenance/Repairs

SSDS Status Upon Arrival: (On) / Off

Comments:

Pre-Filter Vacuum Measurement: 34 " H2O

Post-Filter Vacuum Measurement: 58 " H2O

Post-Blower Pressure Measurement: ✓ PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points:

Point ID	Vacuum ("H2O)
VP-1	17
VP-1A	11
VP-2	26
VP-3	20

Vapor Monitoring Points:

Point ID	Vacuum ("H2O)
P-1	
P-2	
P-3	
P-4	
P-5	
P-6	
P-7	
P-8	

Comments/Maintenance Performed:

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 4/1/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By MM/NA Semi-Monthly X Quarterly _____ Maintenance/Repairs _____

Groundwater Treatment System Status Upon Arrival: (On) / Off

Comments: _____

Pneumatic Pumps:

BR-1 Operational Upon Arrival: (On) / Off

Cycle Counter Reading: _____ Cycles Per Minute: 16

BR-2 Operational Upon Arrival: (On) / Off

Cycle Counter Reading: _____ Cycles Per Minute: ~~10~~ 8

Comments: _____

Totalizers:

FQI-400 (Influent): _____ Gallons Flow Rate: _____ GPM

FQI-500 (Post-OWS): 802569 Gallons Flow Rate: 4/20 GPM

FQI-603 (Post-Stripper): 106901 Gallons Flow Rate: _____ GPM

End Totalizer (mechanical tot.): 1209563.4 Gallons

Comments: 500 was pumping @ 4gpm on arrival, replaced mayno stator with spare, pump set to 20gpm

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Air Compressor:

Hold Tank: 120 PSI

Pumps: 50 PSI

Run Hours: _____ hours

Comments: _____

Bag Filters:

Primary Bag Filter (Influent)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-501 & F-701 (Pre-Stripper)

Inlet: 15 PSI

Outlet: 48 PSI

Changed: Yes / No

F-502 & F-702 (Pre-Carbon)

Inlet: 15 PSI

Outlet: 48 PSI

Changed: Yes / No

Comments: _____

Scanned with CamScanner

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Carbon Filters:

Are both carbon filters operating in-line: (Yes) / No

Backflushed: Yes / (No)

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

_____

_____

Oil/Water Separator:

Is LNAPL Present: Yes (No)

Was and LNAPL drained into holding drum: Yes (No)

Comments: _____

_____

_____

Air Stripper:

Air Flow Rate: _____" H2O

Recirculation valve to carbon: Open / Closed

Comments: _____

_____

_____

Scanned with CamScanner

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 4/1/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.

Performed By: MM Semi-Monthly X Quarterly _____Maintenance/Repairs

NA

SSDS Status Upon Arrival: On / Off

Comments:

Pre-Filter Vacuum Measurement: 35 " H2O

Post-Filter Vacuum Measurement: 58 " H2O

Post-Blower Pressure Measurement: _____PSI

Effluent Air PID Measurement: 0 Ppm

Vapor Extraction Points:

Points:

Vapor Monitoring

Point ID	Vacuum ("H2O)	Point ID	Vacuum ("H2O)
VP-1	12	P-1	
VP-1A	12	P-2	
VP-2	0	P-3	
VP-3	20	P-4	
		P-5	
		P-6	
		P-7	
		P-8	

Comments/Maintenance Performed: VP 2 shut off due to broken pipe on floor.

Scanned with CamScanner

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 4/6/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By ✓ Semi-Monthly _____ Quarterly _____ Maintenance/Repairs _____

Groundwater Treatment System Status Upon Arrival: On / Off

Comments: [illegible]

System was on but leaking out of Broken fitting to Primary filter. Tried to Repair But Needs Part to Complete.

Deactivated System So Repairs can be Completed.

Pneumatic Pumps:

BR-1 Operational Upon Arrival: On / Off

Cycle Counter Reading: _____ Cycles Per Minute: _____

BR-2 Operational Upon Arrival: On / Off

Cycle Counter Reading: _____ Cycles Per Minute: _____

Comments: _____

Totalizers:

FQI-400 (Influent): _____ Gallons Flow Rate: _____ GPM

FQI-500 (Post-OWS): 814050 Gallons Flow Rate: _____ GPM

FQI-603 (Post-Stripper): 114295 Gallons Flow Rate: _____ GPM

End Totalizer (mechanical tot.): 1219974.7 Gallons

Comments: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Air Compressor:

Hold Tank: _____ PSI

Pumps: _____ PSI

Run Hours: _____ hours

Comments: _____

Bag Filters:

Primary Bag Filter (Influent)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-501 & F-701 (Pre-Stripper)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-502 & F-702 (Pre-Carbon)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

Comments: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Carbon Filters:

Are both carbon filters operating in-line: Yes / No

Backflushed: Yes / No

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

_____

_____

Oil/Water Separator:

Is LNAPL Present: Yes / No

Was and LNAPL drained into holding drum: Yes / No

Comments: _____

_____

_____

Air Stripper:

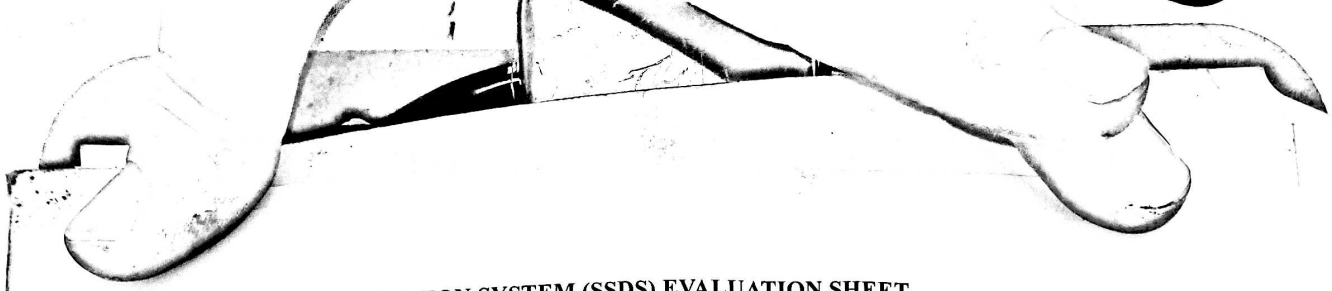
Air Flow Rate: _____" H2O

Recirculation valve to carbon: Open / Closed

Comments: _____

_____

_____



SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: ~~[illegible]~~ 4-16-25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.

Performed By: _____ Semi-Monthly X Quarterly _____Maintenance/Repairs

SSDS Status Upon Arrival: On / Off

Comments:

Pre-Filter Vacuum Measurement: 56 " H2O

Post-Filter Vacuum Measurement: 58 " H2O

Post-Blower Pressure Measurement: _____PSI

Effluent Air PID Measurement: _____0_____ ppm

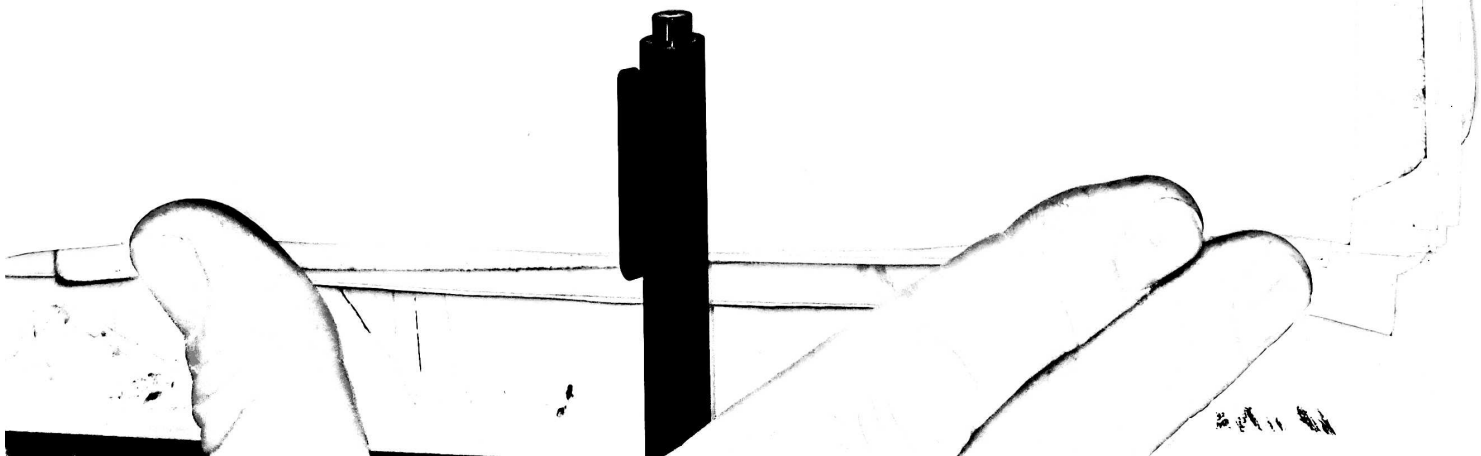
Vapor Extraction Points: **Vapor Monitoring**

Points:

Point ID	Vacuum ("H2O)	Point ID	Vacuum ("H2O)
VP-1	12	P-1	
VP-1A	12	P-2	
VP-2	0	P-3	
VP-3	20	P-4	
		P-5	
		P-6	
		P-7	
		P-8	

Comments/Maintenance Performed: VP-2 – baseplate on floor broken

Seals replaced.



GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 5/9/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By NSA Semi-Monthly X Quarterly _____ Maintenance/Repairs X
PB

Groundwater Treatment System Status Upon Arrival: On / (Off)

Comments: repaired legs of main influent bag filter housing. repaired broken influent piping. charged main bag filter and re-activated system.

Pneumatic Pumps:

BR-1 Operational Upon Arrival: On / (Off)

Cycle Counter Reading: _____ Cycles Per Minute: 18

BR-2 Operational Upon Arrival: On / (Off)

Cycle Counter Reading: _____ Cycles Per Minute: 12

Comments:

Totalizers:

FQI-400 (Influent): _____ Gallons Flow Rate: _____ GPM

FQI-500 (Post-OWS): _____ Gallons Flow Rate: _____ GPM

FQI-603 (Post-Stripper): 114295 Gallons Flow Rate: 12.38 GPM

End Totalizer (mechanical tot.): 1219974.7 Gallons

Comments: 500 battery is dead → need new unit because they no longer make batteries for this unit

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Air Compressor:

Hold Tank: 120 PSI

Pumps: 50 PSI

Run Hours: / hours

Comments:

Bag Filters:

Primary Bag Filter (Influent)

Inlet: / PSI

Outlet: / PSI

Changed: Yes / No

F-501 & F-701 (Pre-Stripper)

Inlet: / PSI

Outlet: / PSI

Changed: Yes / No

F-502 & F-702 (Pre-Carbon)

Inlet: 42 PSI

Outlet: 42 PSI

Changed: Yes / No

Comments:

Carbon Filters:

Scanned with CamScanner

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Are both carbon filters operating in-line: Yes / No

Backflushed: Yes No

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

_____

_____

Oil/Water Separator:

Is LNAPL Present: Yes / No

Was and LNAPL drained into holding drum: Yes / No

Comments: _____

_____

_____

Air Stripper:

Air Flow Rate: _____" H2O

Recirculation valve to carbon: Open / Closed

Comments: _____

_____

_____

Scanned with CamScanner

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 5/9/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By: ~~NSA~~ PB Semi-Monthly X Quarterly _____ Maintenance/Repairs _____

SSDS Status Upon Arrival: On / Off

Comments: ~~bypass~~ Bleed air filter cleaned

Pre-Filter Vacuum Measurement: 50 " H2O

Post-Filter Vacuum Measurement: 51 " H2O

Post-Blower Pressure Measurement: ✓ PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points:

Point ID	Vacuum ("H2O)
VP-1	-11 H2O
VP-1A	-10.5 H2O
VP-2	Blocked
VP-3	-17 H2O

Vapor Monitoring Points:

Point ID	Vacuum ("H2O)
P-1	
P-2	
P-3	
P-4	
P-5	
P-6	
P-7	
P-8	

Comments/Maintenance Performed:

VP2 broken at the floor, need to re-seal the floor as well

↳ need to set a new point from scratch and set a bollard to protect the point

Scanned with CamScanner

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 5/27/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.

Performed By___ V Semi-Monthly ___Quarterly _____Maintenance/Repairs

Groundwater Treatment System Status Upon Arrival: On / Off

Comments:

Pneumatic Pumps:

BR-1 Operational Upon Arrival: On / Off

Cycle Counter Reading: _____ Cycles Per Minute: 5

BR-2 Operational Upon Arrival: On / Off

Cycle Counter Reading: _____ Cycles Per Minute: _____

Comments:

Totalizers:

FQI-400 (Influent): _____Gallons Flow Rate: _____GPM

FQI-500 (Post-OWS): _____Gallons Flow Rate: _____GPM

FQI-603 (Post-Stripper): 123065 Gallons Flow Rate: _____GPM

End Totalizer (mechanical tot.): 123895 Gallons

Comments:

Air Compressor:

Hold Tank: 120 PSI

Pumps: 43 PSI

Run Hours: _____ hours

Comments:

Bag Filters:

Primary Bag Filter (Influent)

Inlet: _____PSI

Outlet: _____PSI

Changed: (Yes) / No

F-501 & F-701 (Pre-Stripper)

Inlet: _____PSI

Outlet: _____PSI

Changed: (Yes) / No

F-502 & F-702 (Pre-Carbon)

Inlet: _____PSI

Outlet: _____PSI

Changed: (Yes) / No

Comments:

Carbon Filters:

Are both carbon filters operating in-line: Yes / No

Backflushed: Yes / No

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments:

Oil/Water Separator:

Is LNAPL Present: Yes / No

Was and LNAPL drained into holding drum: Yes / No

Comments:

Air Stripper:

Air Flow Rate: _____" H2O

Recirculation valve to carbon: Open / Closed

Comments:

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 5/27/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By: MM Semi-Monthly X Quarterly _____ Maintenance/Repairs _____

SSDS Status Upon Arrival: (On) / Off

Comments: Changed all bag filters - After turning on flow valve to air - Alarm - Airvalve 50/103 Fault SVE B204 overload - reset system - will need breaker reset in Panel.

Pre-Filter Vacuum Measurement: 50 " H2O

Post-Filter Vacuum Measurement: 49 " H2O

Post-Blower Pressure Measurement: _____ PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points:

Point ID	Vacuum ("H2O)
VP-1	11
VP-1A	11
VP-2	- OFF
VP-3	17

Vapor Monitoring Points:

Point ID	Vacuum ("H2O)
P-1	
P-2	
P-3	
P-4	
P-5	
P-6	
P-7	
P-8	

Comments/Maintenance Performed: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 6/3/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By JZM SLM Semi-Monthly X Quarterly _____ Maintenance/Repairs _____

Groundwater Treatment System Status Upon Arrival: On / Off

Comments: System was on but leaking out of the South 5 micron bag filter. Ch

Pneumatic Pumps:

BR-1 Operational Upon Arrival: On / Off

Cycle Counter Reading: — Cycles Per Minute: 22

BR-2 Operational Upon Arrival: On / Off

Cycle Counter Reading: — Cycles Per Minute: 6

Comments:

Totalizers:

FQI-400 (Influent): Broken Gallons Flow Rate: — GPM

FQI-500 (Post-OWS): Battery is dead Gallons Flow Rate: _____ GPM

FQI-603 (Post-Stripper): 133909 Gallons Flow Rate: 10 GPM

End Totalizer (mechanical tot.): 1246374.7 Gallons

Comments: Need new meter on FQI 500 - no longer make batteries.

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Air Compressor:

Hold Tank: 130 PSI

Pumps: 43 PSI

Run Hours: ~ hours

Comments:

Bag Filters:

Primary Bag Filter (Influent)

Inlet: — PSI Broken

Outlet: — PSI

Changed: (Yes) / No

F-501 & F-701 (Pre-Stripper)

Inlet: — PSI

Outlet: — PSI

Changed: (Yes) / No

F-502 & F-702 (Pre-Carbon)

Inlet: Broken PSI

Outlet: 47 PSI - Pre Carbon

Changed: (Yes) / No

Comments:

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Carbon Filters:

Are both carbon filters operating in-line: Yes / No

Backflushed: Yes / No

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

_____

_____

Oil/Water Separator:

Is LNAPL Present: Yes / No

Was and LNAPL drained into holding drum: Yes / No

Comments: _____

_____

_____

Air Stripper:

Air Flow Rate: _____ " H2O

Recirculation valve to carbon: Open / Closed

Comments: _____

_____

_____

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 6-13-25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By: SLM + JZM Semi-Monthly X Quarterly Maintenance/Repairs

SSDS Status Upon Arrival: On / Off

Comments:

Pre-Filter Vacuum Measurement: 45 " H2O

Post-Filter Vacuum Measurement: 46 " H2O

Post-Blower Pressure Measurement: PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points:

Point ID	Vacuum ("H2O)
VP-1	10
VP-1A	10
VP-2	Broken - Needs Replaced/fixed
VP-3	15

Vapor Monitoring Points:

Point ID	Vacuum ("H2O)
P-1	
P-2	
P-3	
P-4	
P-5	
P-6	
P-7	
P-8	

Comments/Maintenance Performed:

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 6/30/2025

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By RB Semi-Monthly _____ Quarterly _____ Maintenance/Repairs _____

Groundwater Treatment System Status Upon Arrival: On / Off

Comments: Used Bag filters from Drum

Pneumatic Pumps:

BR-1 Operational Upon Arrival: On / Off

Cycle Counter Reading: _____ Cycles Per Minute: 16

BR-2 Operational Upon Arrival: On / Off

Cycle Counter Reading: _____ Cycles Per Minute: 8

Comments:

Totalizers:

FQI-400 (Influent): _____ Gallons Flow Rate: _____ GPM

FQI-500 (Post-OWS): _____ Gallons Flow Rate: _____ GPM

FQI-603 (Post-Stripper): 144377 Gallons Flow Rate: 11.53 GPM

End Totalizer (mechanical tot.): 126804 Gallons

Comments:

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Air Compressor:

Hold Tank: 120 PSI

Pumps: 45 PSI

Run Hours: / hours

Comments:

Bag Filters:

Primary Bag Filter (Influent)

Inlet: 42 PSI

Outlet: 42 PSI

Changed: (Yes) / No

F-501 & F-701 (Pre-Stripper)

Inlet: / PSI

Outlet: / PSI

Changed: (Yes) / No

F-502 & F-702 (Pre-Carbon)

Inlet: 42 PSI

Outlet: 42 PSI

Changed: (Yes) / No

Comments:

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Carbon Filters:

Are both carbon filters operating in-line: Yes / No

Backflushed: Yes / No

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

Oil/Water Separator:

Is LNAPL Present: Yes / No

Was and LNAPL drained into holding drum: Yes / No

Comments: _____

Air Stripper:

Air Flow Rate: _____" H2O

Recirculation valve to carbon: Open / Closed

Comments: _____

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 6/30/2025

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By: RBS Semi-Monthly ___ X ___ Quarterly _____ Maintenance/Repairs _____

SSDS Status Upon Arrival: On / Off

Comments: _____

Pre-Filter Vacuum Measurement: 41 " H2O

Post-Filter Vacuum Measurement: 53 " H2O

Post-Blower Pressure Measurement: 0 PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points:

Point ID	Vacuum ("H2O)
VP-1	-9 H2O
VP-1A	-9 H2O
VP-2	Broken
VP-3	Blocked

Vapor Monitoring Points:

Point ID	Vacuum ("H2O)
P-1	
P-2	
P-3	
P-4	
P-5	
P-6	
P-7	
P-8	

Comments/Maintenance Performed: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 7/17/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By RR JM Semi-Monthly X Quarterly _____ Maintenance/Repairs _____

Groundwater Treatment System Status Upon Arrival: On / Off

Comments: _____

Pneumatic Pumps:

BR-1 Operational Upon Arrival: On / Off

Cycle Counter Reading: _____ Cycles Per Minute: 14

BR-2 Operational Upon Arrival: On / Off

Cycle Counter Reading: / Cycles Per Minute: 7

Comments: _____

Totalizers:

FQI-400 (Influent): _____ Gallons Flow Rate: _____ GPM

FQI-500 (Post-OWS): _____ Gallons Flow Rate: _____ GPM

FQI-603 (Post-Stripper): 154437 Gallons Flow Rate: _____ GPM

End Totalizer (mechanical tot.): 12767957 Gallons

Comments: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Air Compressor:

Hold Tank: 130 PSI

Pumps: 45 PSI

Run Hours: _____ hours

Comments: _____

Bag Filters:

Primary Bag Filter (Influent)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: (Yes) / No

F-501 & F-701 (Pre-Stripper)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / (No)

F-502 & F-702 (Pre-Carbon)

Inlet: 15 PSI

Outlet: 5 PSI

Changed: Yes / (No)

Comments: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Carbon Filters:

Are both carbon filters operating in-line: Yes / No

Backflushed: Yes / No

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

_____

_____

Oil/Water Separator:

Is LNAPL Present: Yes / No

Was and LNAPL drained into holding drum: Yes / No

Comments: _____

_____

_____

Air Stripper:

Air Flow Rate: _____" H2O

Recirculation valve to carbon: Open / Closed

Comments: _____

_____

_____

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 7/17/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By: BAC Semi-Monthly X Quarterly _____ Maintenance/Repairs _____

SSDS Status Upon Arrival: On / Off

Comments: _____

Pre-Filter Vacuum Measurement: 38 " H2O

Post-Filter Vacuum Measurement: 45 " H2O

Post-Blower Pressure Measurement: 0 PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points:

Point ID	Vacuum ("H2O)
VP-1	10
VP-1A	10
VP-2	BROKEN
VP-3	15

Vapor Monitoring Points:

Point ID	Vacuum ("H2O)
P-1	
P-2	
P-3	
P-4	
P-5	
P-6	
P-7	
P-8	

Comments/Maintenance Performed: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 7/30/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By MM Semi-Monthly _____ Quarterly _____ Maintenance/Repairs _____

Groundwater Treatment System Status Upon Arrival: On / Off

Comments: _____

Pneumatic Pumps:

BR-1 Operational Upon Arrival: On / Off

Cycle Counter Reading: [redacted]

Cycles Per Minute: 18

BR-2 Operational Upon Arrival: On / Off

Cycle Counter Reading: _____

Cycles Per Minute: 6

Comments: _____

Totalizers:

FQI-400 (Influent): _____ Gallons Flow Rate: _____ GPM

FQI-500 (Post-OWS): _____ Gallons Flow Rate: _____ GPM

FQI-603 (Post-Stripper): 160844 Gallons Flow Rate: _____ GPM

End Totalizer (mechanical tot.): [redacted]1286379 Gallons

Comments: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Air Compressor:

Hold Tank: 111 PSI

Pumps: 44 PSI

Run Hours: [illegible] hours

Comments: _____

Bag Filters:

Primary Bag Filter (Influent)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-501 & F-701 (Pre-Stripper)

Inlet: [illegible] PSI

Outlet: _____ PSI

Changed: Yes / No

F-502 & F-702 (Pre-Carbon)

Inlet: 8 PSI

Outlet: 60 PSI

Changed: Yes / No

Comments: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Carbon Filters:

Are both carbon filters operating in-line: Yes / No

Backflushed: Yes / No

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

_____

_____

Oil/Water Separator:

Is LNAPL Present: Yes / No

Was and LNAPL drained into holding drum: Yes / No

Comments: _____

_____

_____

Air Stripper:

Air Flow Rate: _____ "H2O

Recirculation valve to carbon: Open / Closed

Comments: _____

_____

_____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 8/5/2025

METI Project No. 20.003 Project Name Niagara Metals, 766 New Babcock St.
Performed By BB, BR Semi-Monthly X Quarterly _____ Maintenance/Repairs _____

Groundwater Treatment System Status Upon Arrival: ~~On~~ / Off

Comments: _____

Pneumatic Pumps:

BR-1 Operational Upon Arrival: On / Off

Cycle Counter Reading: ✓ Cycles Per Minute: 24

BR-2 Operational Upon Arrival: ~~On~~ / Off

Cycle Counter Reading: ✓ Cycles Per Minute: 16

Comments: _____

Totalizers:

FQI-400 (Influent): ✓ Gallons Flow Rate: ✓ GPM

FQI-500 (Post-OWS): ✓ Gallons Flow Rate: ✓ GPM

FQI-603 (Post-Stripper): 164117 Gallons Flow Rate: ✓ GPM

End Totalizer (mechanical tot.): 1291257 Gallons

Comments: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

8/5/25

Air Compressor:

Hold Tank: 108 PSI

Pumps: 90 PSI

Run Hours: ✓ hours

Comments: _____

Bag Filters:

Primary Bag Filter (Influent)

Inlet: ✓ PSI

Outlet: ✓ PSI

Changed: Yes / No

F-501 & F-701 (Pre-Stripper)

Inlet: ✓ PSI

Outlet: ✓ PSI

Changed: Yes / No

F-502 & F-702 (Pre-Carbon)

Inlet: 10 PSI

Outlet: 60 PSI

Changed: Yes / No

Comments: _____

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Carbon Filters:

Are both carbon filters operating in-line? Yes / No

Backflushed: Yes / No

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

_____

_____

Oil/Water Separator:

Is LNAPL Present: Yes / No

Was and LNAPL drained into holding drum: Yes / No

Comments: _____

_____

_____

Air Stripper:

Air Flow Rate: _____" H2O

Recirculation valve to carbon: Open / Closed

Comments: _____

_____

_____

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 8/5/2025

METI Project No. 20.003 Project Name Niagara Metals, 766 New Babcock St.
Performed By: PG KR Semi-Monthly (X) Quarterly _____ Maintenance/Repairs _____

SSDS Status Upon Arrival: (On) / Off

Comments: _____

Pre-Filter Vacuum Measurement: 45 " H2O

Post-Filter Vacuum Measurement: 44 " H2O

Post-Blower Pressure Measurement: 0 PSI

Effluent Air PID Measurement: 0 ppm

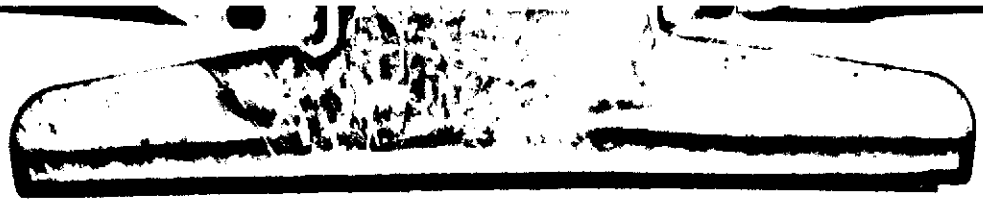
Vapor Extraction Points:

Point ID	Vacuum ("H2O)
VP-1	-9
VP-1A	-9
VP-2	Broken
VP-3	-14

Vapor Monitoring Points:

Point ID	Vacuum ("H2O)
P-1	
P-2	
P-3	
P-4	
P-5	
P-6	
P-7	
P-8	

Comments/Maintenance Performed: _____



Date Work Performed: 8/21/25

METI Project No. 20.003 Project Name Niagara Metals, 766 New Babcock St.
Performed By JZC Semi-Monthly ____ Quarterly ____ Maintenance/Repairs ____

Groundwater Treatment System Status Upon Arrival: (On) / Off

Comments: B1 WEEKLY 50m FILTER CHAMBER

Pneumatic Pumps:

BR-1 Operational Upon Arrival: (On) / Off

Cycle Counter Reading: ____ Cycles Per Minute: 22

BR-2 Operational Upon Arrival: On / Off

Cycle Counter Reading: ____ Cycles Per Minute: 60

Comments:

Totalizers:

FQI-400 (Influent): BROKEN Gallons Flow Rate: ____ GPM

FQI-500 (Post-OWS): BROKEN Gallons Flow Rate: ____ GPM

FQI-603 (Post-Stripper): 172704 Gallons Flow Rate: ____ GPM

End Totalizer (mechanical tot.): 1303713 Gallons

Comments:

Air Compressor:

Hold Tank: 120 PSI

Pumps: 43 PSI

Run Hours: _____ hours

Comments: _____

_____

_____

Bag Filters:

Primary Bag Filter (Influent)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-501 & F-701 (Pre-Stripper)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No

F-502 & F-702 (Pre-Carbon)

Inlet: Broken PSI

Outlet: 47 PSI

Changed: Yes / No

Comments: _____

_____

_____

Carbon Filters:

Are both carbon filters operating in-line: Yes / No

Backflushed: Yes / No

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

_____

_____

Oil/Water Separator:

Is LNAPL Present: Yes / No

Was and LNAPL drained into holding drum: Yes / No

Comments: _____

_____

_____

Air Stripper:

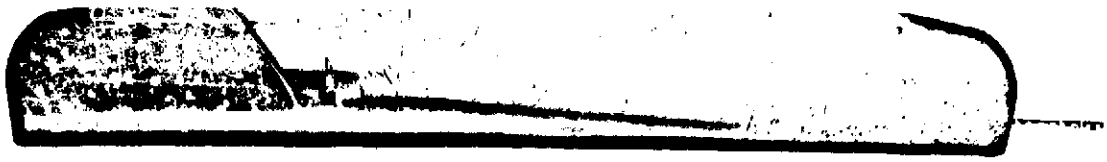
Air Flow Rate: _____ " H2O

Recirculation valve to carbon: Open / Closed

Comments: _____

_____

_____



SSDS STATUS UPON ARRIVAL – (ON) OFF

PRE FILTER VACUUM MEASUREMENT : 42

POST FILTER VACUUM MEASUREMENT : 43

POST BLOWER PSIG : Ø

EFFLUENT AIR PID MEASUREMENT : X

POINT ID	VACUUM 420
VP1	10
VP1A	10
VP2	BROKEN
VP3	-14

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 9/4/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.

Performed By MM Semi-Monthly ✓ Quarterly _____ Maintenance/Repairs

Groundwater Treatment System Status Upon Arrival: (On) / Off

Comments:

Pneumatic Pumps:

BR-1 Operational Upon Arrival: (On) / Off

Cycle Counter Reading: _____ Cycles Per Minute: 15

BR-2 Operational Upon Arrival: (On) / Off

Cycle Counter Reading: _____ Cycles Per Minute: 5

Comments:

Totalizers:

FQI-400 (Influent): _____ Gallons Flow Rate: _____ GPM

FQI-500 (Post-OWS): _____ Gallons Flow Rate: _____ GPM

FQI-603 (Post-Stripper): 1804891 Gallons Flow Rate: 13.62 _____ GPM

End Totalizer (mechanical tot.): 1314915 Gallons

Comments:

Air Compressor:

Hold Tank: 120 PSI

Pumps: 42 PSI

Run Hours: _____ hours

Comments:

Bag Filters:

Primary Bag Filter (Influent)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No yes

F-501 & F-701 (Pre-Stripper)

Inlet: 6 PSI

Outlet: 30 PSI

Changed: Yes / No yes

F-502 & F-702 (Pre-Carbon)

Inlet: _____ PSI

Outlet: _____ PSI

Changed: Yes / No yes

Comments:

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET – Cont.

Carbon Filters:

Are both carbon filters operating in-line: (Yes) / No

Backflushed: Yes / (No)

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments: _____

_____

_____

Oil/Water Separator:

Is LNAPL Present: Yes / (No)

Was and LNAPL drained into holding drum: Yes / No

Comments: _____

_____

_____

Air Stripper:

Air Flow Rate: _____" H2O

Recirculation valve to carbon: Open / Closed

Comments: _____

_____

_____

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 9/4/25

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By: MM Semi-Monthly X Quarterly Maintenance/Repairs

SSDS Status Upon Arrival: On / Off

Comments:

Pre-Filter Vacuum Measurement: 42 " H2O

Post-Filter Vacuum Measurement: 43 " H2O

Post-Blower Pressure Measurement: PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points:

Point ID	Vacuum ("H2O)
VP-1	9.5
VP-1A	9
VP-2	~~0~~ off
VP-3	14

Vapor Monitoring Points:

Point ID	Vacuum ("H2O)
P-1	
P-2	
P-3	
P-4	
P-5	
P-6	
P-7	
P-8	

Comments/Maintenance Performed:

GROUNDWATER TREATMENT SYSTEM EVALUATION SHEET

Date Work Performed: 9/15/2025

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.

Performed By PBB Semi-Monthly ___Quarterly _____Maintenance/Repairs

Groundwater Treatment System Status Upon Arrival: On / Off

Comments:

Pneumatic Pumps:

BR-1 Operational Upon Arrival: On / Off

Cycle Counter Reading: _____ Cycles Per Minute: 17

BR-2 Operational Upon Arrival: On / Off

Cycle Counter Reading: _____ Cycles Per Minute: 8

Comments:

Totalizers:

FQI-400 ~~(Influent)~~: _____ GPM _____ Gallons Flow Rate:

FQI-500 ~~(Post-OWS)~~: _____ GPM _____ Gallons Flow Rate:

FQI-603 (Post-Stripper): 13.3 GPM 1864.85 Gallons Flow Rate:

End Totalizer (mechanical tot.): 1323320.7 Gallons

Comments:

Air Compressor:

Hold Tank: 110 PSI

Pumps: 50 PSI

Run Hours: / hours

Comments:

Bag Filters:

Primary Bag Filter (Influent)

Inlet: / PSI

Outlet: / PSI

Changed: Yes / No

F-501 & F-701 (Pre-Stripper)

Inlet: / PSI

Outlet: / PSI

Changed: Yes / No

F-502 & F-702 (Pre-Carbon)

Inlet: / PSI

Outlet: / PSI

Changed: Yes / No

Comments:

9/15/2025

Carbon Filters:

Are both carbon filters operating in-line? Yes / No

Backflushed: Yes / No

Note: Refer to Bag Filter F-502 & F-702 Outlet PSI for carbon backpressure reading.

Comments:

Oil/Water Separator:

Is LNAPL Present: Yes / No

Was and LNAPL drained into holding drum: Yes / No

Comments:

Air Stripper:

Air Flow Rate: _____" H2O

Recirculation valve to carbon: Open / Closed

Comments:

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) EVALUATION SHEET

Date Work Performed: 9/15/2025

METI Project No. 20.003 Project Name EA/Niagara Metals, 766 New Babcock St.
Performed By: _____ Semi-Monthly X Quarterly _____ Maintenance/Repairs VP2

SSDS Status Upon Arrival: On / Off

Comments: _____

Pre-Filter Vacuum Measurement: 50 " H2O

Post-Filter Vacuum Measurement: 51 " H2O

Post-Blower Pressure Measurement: 0 PSI

Effluent Air PID Measurement: 0 ppm

Vapor Extraction Points:

Point ID	Vacuum ("H2O)
VP-1	-10
VP-1A	-10
VP-2	-35
VP-3	-16

Vapor Monitoring Points:

Point ID	Vacuum ("H2O)
P-1	
P-2	
P-3	
P-4	
P-5	
P-6	
P-7	
P-8	

Comments/Maintenance Performed: Repairs To VP2 Back on Line

APPENDIX D

GWP&T System Sampling Laboratory Analytical Data Reports

ANALYTICAL REPORT

Lab Number:	L2450743
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	NML Q3 2024 INFLUENT SAMPLE
Project Number:	00913
Report Date:	09/12/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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

Project Name: NML Q3 2024 INFLUENT SAMPLE
Project Number: 00913

Lab Number: L2450743
Report Date: 09/12/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2450743-01	SYSTEM INFLUENT	WATER	766 NEW BABCOCK ST. BUFFALO NY	09/05/24 10:05	09/05/24

Project Name:	NML Q3 2024 INFLUENT SAMPLE	**Lab Number:**	L2450743
Project Number:	00913	**Report Date:**	09/12/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	NML Q3 2024 INFLUENT SAMPLE	**Lab Number:**	L2450743
Project Number:	00913	**Report Date:**	09/12/24

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 09/12/24

ORGANICS

VOLATILES

Project Name: NML Q3 2024 INFLUENT SAMPLE **Lab Number:** L2450743

Project Number: 00913 **Report Date:** 09/12/24

SAMPLE RESULTS

Lab ID: L2450743-01 D
Client ID: SYSTEM INFLUENT
Sample Location: 766 NEW BABCOCK ST. BUFFALO NY

Date Collected: 09/05/24 10:05
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 09/10/24 22:49
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	10	2.8	4
1,1-Dichloroethane	120		ug/l	10	2.8	4
Chloroform	ND		ug/l	10	2.8	4
Carbon tetrachloride	ND		ug/l	2.0	0.54	4
1,2-Dichloropropane	ND		ug/l	4.0	0.55	4
Dibromochloromethane	ND		ug/l	2.0	0.60	4
1,1,2-Trichloroethane	ND		ug/l	6.0	2.0	4
Tetrachloroethene	0.94	J	ug/l	2.0	0.72	4
Chlorobenzene	ND		ug/l	10	2.8	4
Trichlorofluoromethane	ND		ug/l	10	2.8	4
1,2-Dichloroethane	ND		ug/l	2.0	0.53	4
1,1,1-Trichloroethane	250		ug/l	10	2.8	4
Bromodichloromethane	ND		ug/l	2.0	0.77	4
trans-1,3-Dichloropropene	ND		ug/l	2.0	0.66	4
cis-1,3-Dichloropropene	ND		ug/l	2.0	0.58	4
Bromoform	ND		ug/l	8.0	2.6	4
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	0.67	4
Benzene	ND		ug/l	2.0	0.64	4
Toluene	ND		ug/l	10	2.8	4
Ethylbenzene	ND		ug/l	10	2.8	4
Chloromethane	ND		ug/l	10	2.8	4
Bromomethane	ND		ug/l	10	2.8	4
Vinyl chloride	230		ug/l	4.0	0.28	4
Chloroethane	10		ug/l	10	2.8	4
1,1-Dichloroethene	3.5		ug/l	2.0	0.68	4
trans-1,2-Dichloroethene	ND		ug/l	10	2.8	4
Trichloroethene	2.2		ug/l	2.0	0.70	4
1,2-Dichlorobenzene	ND		ug/l	10	2.8	4

Project Name: NML Q3 2024 INFLUENT SAMPLE **Lab Number:** L2450743

Project Number: 00913 **Report Date:** 09/12/24

SAMPLE RESULTS

Lab ID: L2450743-01 D Date Collected: 09/05/24 10:05

Client ID: SYSTEM INFLUENT Date Received: 09/05/24

Sample Location: 766 NEW BABCOCK ST. BUFFALO NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	10	2.8	4
1,4-Dichlorobenzene	ND		ug/l	10	2.8	4
Methyl tert butyl ether	ND		ug/l	10	0.66	4
p/m-Xylene	ND		ug/l	10	2.8	4
o-Xylene	ND		ug/l	10	2.8	4
cis-1,2-Dichloroethene	460		ug/l	10	2.8	4
Styrene	ND		ug/l	10	2.8	4
Dichlorodifluoromethane	ND		ug/l	20	4.0	4
Acetone	ND		ug/l	20	5.8	4
Carbon disulfide	ND		ug/l	20	4.0	4
2-Butanone	ND		ug/l	20	7.8	4
4-Methyl-2-pentanone	ND		ug/l	20	4.0	4
2-Hexanone	ND		ug/l	20	4.0	4
Bromochloromethane	ND		ug/l	10	2.8	4
1,2-Dibromoethane	ND		ug/l	8.0	2.6	4
1,2-Dibromo-3-chloropropane	ND		ug/l	10	2.8	4
Isopropylbenzene	ND		ug/l	10	2.8	4
1,2,3-Trichlorobenzene	ND		ug/l	10	2.8	4
1,2,4-Trichlorobenzene	ND		ug/l	10	2.8	4
Methyl Acetate	ND		ug/l	8.0	0.94	4
Cyclohexane	ND		ug/l	40	1.1	4
1,4-Dioxane	ND		ug/l	1000	240	4
Freon-113	31		ug/l	10	2.8	4
Methyl cyclohexane	ND		ug/l	40	1.6	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	105		70-130

Project Name: NML Q3 2024 INFLUENT SAMPLE **Lab Number:** L2450743

Project Number: 00913 **Report Date:** 09/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/10/24 21:34
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1970371-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: NML Q3 2024 INFLUENT SAMPLE **Lab Number:** L2450743

Project Number: 00913 **Report Date:** 09/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/10/24 21:34
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1970371-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: NML Q3 2024 INFLUENT SAMPLE
Lab Number: L2450743
Project Number: 00913
Report Date: 09/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/10/24 21:34
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1970371-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: NML Q3 2024 INFLUENT SAMPLE

Project Number: 00913

Lab Number: L2450743

Report Date: 09/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1970371-3 WG1970371-4								
Methylene chloride	96		97		70-130	1		20
1,1-Dichloroethane	99		95		70-130	4		20
Chloroform	100		98		70-130	2		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	96		96		70-130	0		20
Dibromochloromethane	92		93		63-130	1		20
1,1,2-Trichloroethane	89		93		70-130	4		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	88		92		70-130	4		20
1,1,1-Trichloroethane	100		99		67-130	1		20
Bromodichloromethane	94		96		67-130	2		20
trans-1,3-Dichloropropene	85		84		70-130	1		20
cis-1,3-Dichloropropene	95		95		70-130	0		20
Bromoform	87		89		54-136	2		20
1,1,2,2-Tetrachloroethane	84		84		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	88		90		64-130	2		20
Bromomethane	120		120		39-139	0		20
Vinyl chloride	100		100		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NML Q3 2024 INFLUENT SAMPLE

Project Number: 00913

Lab Number: L2450743

Report Date: 09/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1970371-3 WG1970371-4								
Chloroethane	100		84		55-138	17		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	97		99		70-130	2		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	86		88		63-130	2		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	94		92		36-147	2		20
Acetone	**52**	Q	**55**	Q	58-148	6		20
Carbon disulfide	100		98		51-130	2		20
2-Butanone	**59**	Q	66		63-138	11		20
4-Methyl-2-pentanone	65		69		59-130	6		20
2-Hexanone	**53**	Q	57		57-130	7		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	89		90		70-130	1		20
1,2-Dibromo-3-chloropropane	70		75		41-144	7		20
Isopropylbenzene	97		97		70-130	0		20
1,2,3-Trichlorobenzene	86		91		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NML Q3 2024 INFLUENT SAMPLE

Project Number: 00913

Lab Number: L2450743

Report Date: 09/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1970371-3 WG1970371-4								
1,2,4-Trichlorobenzene	94		93		70-130	1		20
Methyl Acetate	**62**	Q	**67**	Q	70-130	8		20
Cyclohexane	90		90		70-130	0		20
1,4-Dioxane	72		78		56-162	8		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	98		95		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		90		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	85		87		70-130
Dibromofluoromethane	101		103		70-130

Project Name: NML Q3 2024 INFLUENT SAMPLE
Project Number: 00913

Lab Number: L2450743
Report Date: 09/12/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2450743-01A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450743-01B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450743-01C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	NML Q3 2024 INFLUENT SAMPLE	**Lab Number:**	L2450743
Project Number:	00913	**Report Date:**	09/12/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	NML Q3 2024 INFLUENT SAMPLE	**Lab Number:**	L2450743
Project Number:	00913	**Report Date:**	09/12/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	NML Q3 2024 INFLUENT SAMPLE	**Lab Number:**	L2450743
Project Number:	00913	**Report Date:**	09/12/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	NML Q3 2024 INFLUENT SAMPLE	**Lab Number:**	L2450743
Project Number:	00913	**Report Date:**	09/12/24

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

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

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

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L2450743 T2SEP24
ENVADVANTAGE

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 9/6/24

Client Information

Client: Env. Advantage, Inc.
Address: 3636 N. Buffalo Rd.
Orchard Park, NY 14127
Phone: 716-667-3130
Fax: 716-667-3130
Email: mhanna@envadvantage.com

Project Information

Project Name: NMLO3 2024 Influent Sample
Project Location: 766 New Babcock St. Buffalo
Project #: 00913
(Use Project name as Project #) ☐
Project Manager: Mark Hanna + Mary Szustak
ALPHAQuote #:

Turn-Around Time

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please also email labresults@envadvantage.com

Please specify Metals or TAL.

Deliverables

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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO # 00913

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

NYTCL 8260

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

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL 8260	Total Bottle
50743-01	System Influent	9/5/24	10:05	GW	CS	X	3

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

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

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

Container Type	V								
Preservative	B								

Relinquished By:	Date/Time	Received By:	Date/Time
Colli Smyth	9/5/24 14:05	PACE	9/5/24 1405
PACE	9/5/24 1530	PACE SERVICE CENTER	
		mornsd	9/6 0130

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

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

1/1

ANALYTICAL REPORT

Lab Number:	L2450742
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	NML Q3 2024 POST AIR STRIPPER
Project Number:	00913
Report Date:	09/12/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Project Name: NML Q3 2024 POST AIR STRIPPER
Project Number: 00913

Lab Number: L2450742
Report Date: 09/12/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2450742-01	POST AIR STRIPPER (090424)	WATER	766 NEW BABCOCK ST. BUFFALO NY	09/04/24 15:18	09/05/24

Project Name:	NML Q3 2024 POST AIR STRIPPER	**Lab Number:**	L2450742
Project Number:	00913	**Report Date:**	09/12/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	NML Q3 2024 POST AIR STRIPPER	**Lab Number:**	L2450742
Project Number:	00913	**Report Date:**	09/12/24

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 09/12/24

ORGANICS

VOLATILES

Project Name: NML Q3 2024 POST AIR STRIPPER **Lab Number:** L2450742

Project Number: 00913 **Report Date:** 09/12/24

SAMPLE RESULTS

Lab ID: L2450742-01
Client ID: POST AIR STRIPPER (090424)
Sample Location: 766 NEW BABCOCK ST. BUFFALO NY

Date Collected: 09/04/24 15:18
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 09/10/24 22:24
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	1.0	J	ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	0.94	J	ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NML Q3 2024 POST AIR STRIPPER **Lab Number:** L2450742

Project Number: 00913 **Report Date:** 09/12/24

SAMPLE RESULTS

Lab ID: L2450742-01 Date Collected: 09/04/24 15:18

Client ID: POST AIR STRIPPER (090424) Date Received: 09/05/24

Sample Location: 766 NEW BABCOCK ST. BUFFALO NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	3.5		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	7.6		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	106		70-130

Project Name: NML Q3 2024 POST AIR STRIPPER **Lab Number:** L2450742

Project Number: 00913 **Report Date:** 09/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/10/24 21:34
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1970371-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: NML Q3 2024 POST AIR STRIPPER **Lab Number:** L2450742

Project Number: 00913 **Report Date:** 09/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/10/24 21:34
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1970371-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: NML Q3 2024 POST AIR STRIPPER **Lab Number:** L2450742

Project Number: 00913 **Report Date:** 09/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/10/24 21:34
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1970371-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: NML Q3 2024 POST AIR STRIPPER

Project Number: 00913

Lab Number: L2450742

Report Date: 09/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1970371-3 WG1970371-4								
Methylene chloride	96		97		70-130	1		20
1,1-Dichloroethane	99		95		70-130	4		20
Chloroform	100		98		70-130	2		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	96		96		70-130	0		20
Dibromochloromethane	92		93		63-130	1		20
1,1,2-Trichloroethane	89		93		70-130	4		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	88		92		70-130	4		20
1,1,1-Trichloroethane	100		99		67-130	1		20
Bromodichloromethane	94		96		67-130	2		20
trans-1,3-Dichloropropene	85		84		70-130	1		20
cis-1,3-Dichloropropene	95		95		70-130	0		20
Bromoform	87		89		54-136	2		20
1,1,2,2-Tetrachloroethane	84		84		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	88		90		64-130	2		20
Bromomethane	120		120		39-139	0		20
Vinyl chloride	100		100		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NML Q3 2024 POST AIR STRIPPER

Project Number: 00913

Lab Number: L2450742

Report Date: 09/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1970371-3 WG1970371-4								
Chloroethane	100		84		55-138	17		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	97		99		70-130	2		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	86		88		63-130	2		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	94		92		36-147	2		20
Acetone	**52**	Q	**55**	Q	58-148	6		20
Carbon disulfide	100		98		51-130	2		20
2-Butanone	**59**	Q	66		63-138	11		20
4-Methyl-2-pentanone	65		69		59-130	6		20
2-Hexanone	**53**	Q	57		57-130	7		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	89		90		70-130	1		20
1,2-Dibromo-3-chloropropane	70		75		41-144	7		20
Isopropylbenzene	97		97		70-130	0		20
1,2,3-Trichlorobenzene	86		91		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NML Q3 2024 POST AIR STRIPPER

Project Number: 00913

Lab Number: L2450742

Report Date: 09/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1970371-3 WG1970371-4								
1,2,4-Trichlorobenzene	94		93		70-130	1		20
Methyl Acetate	**62**	Q	**67**	Q	70-130	8		20
Cyclohexane	90		90		70-130	0		20
1,4-Dioxane	72		78		56-162	8		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	98		95		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		90		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	85		87		70-130
Dibromofluoromethane	101		103		70-130

Project Name: NML Q3 2024 POST AIR STRIPPER
Project Number: 00913

Lab Number: L2450742
Report Date: 09/12/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2450742-01A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450742-01B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450742-01C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	NML Q3 2024 POST AIR STRIPPER	**Lab Number:**	L2450742
Project Number:	00913	**Report Date:**	09/12/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	NML Q3 2024 POST AIR STRIPPER	**Lab Number:**	L2450742
Project Number:	00913	**Report Date:**	09/12/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	NML Q3 2024 POST AIR STRIPPER	**Lab Number:**	L2450742
Project Number:	00913	**Report Date:**	09/12/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	NML Q3 2024 POST AIR STRIPPER	**Lab Number:**	L2450742
Project Number:	00913	**Report Date:**	09/12/24

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

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

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

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Serial_No:09122411:09

L2450742 12SEP24

ENVADVANTAGE

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 9/6/24

Client Information

Client: Env. Advantage, Inc.
Address: 3636 N. Buffalo Rd.
Orchard Park NY 14127
Phone: 716-667-3130
Fax: 716-667-3156
Email: mhanna@envadvantage.com

Project Information

Project Name: NML Q3 2024 Post Air Stripper
Project Location: 766 New Babcock St. Buffalo, NY
Project #: 00913
(Use Project name as Project #) ☐
Project Manager: Mark Hanna + Mary Szustak
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Billing Information

☒ Same as Client Info
PO # 00913

Regulatory Requirement

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

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please also email labresults@envadvantage.com

Please specify Metals or TAL.

ANALYSIS

NYTCL 8260

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL 8260	Sample Specific Comments	Total Bottle
50742-01	Post Air Stripper (090424)	09/04/24	15:48	GW	CS	X		3

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

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

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

Container Type	V									
Preservative	B									

Relinquished By:	Date/Time	Received By:	Date/Time
Callie Snyder	9/5/24 14:05	PACE	9/5/24 1405
PACE	9/5/24 1530	BUFFALO SERVICE CENTER	
Russell B. Bixby	9/5/24 15:34		
		9/6	0130

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

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

1/1

ANALYTICAL REPORT

Lab Number:	L2471663
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	NML Q4 2024 SYSTEM INFLUENT SA
Project Number:	00913
Report Date:	12/12/24

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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

Project Name: NML Q4 2024 SYSTEM INFLUENT SA
Project Number: 00913

Lab Number: L2471663
Report Date: 12/12/24

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2471663-01	SYSTEM INFLUENT (120424)	WATER	766 NEW BABCOCK ST. BUFFALO NY	12/04/24 09:50	12/06/24

Project Name:	NML Q4 2024 SYSTEM INFLUENT SA	**Lab Number:**	L2471663
Project Number:	00913	**Report Date:**	12/12/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	NML Q4 2024 SYSTEM INFLUENT SA	**Lab Number:**	L2471663
Project Number:	00913	**Report Date:**	12/12/24

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly O'Neill

Title: Technical Director/Representative Date: 12/12/24

ORGANICS

VOLATILES

Project Name: NML Q4 2024 SYSTEM INFLUENT SA **Lab Number:** L2471663

Project Number: 00913 **Report Date:** 12/12/24

SAMPLE RESULTS

Lab ID: L2471663-01 D
Client ID: SYSTEM INFLUENT (120424)
Sample Location: 766 NEW BABCOCK ST. BUFFALO NY

Date Collected: 12/04/24 09:50
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/12/24 00:32
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	83		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	1.1		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	160		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	54		ug/l	2.0	0.14	2
Chloroethane	9.9		ug/l	5.0	1.4	2
1,1-Dichloroethene	2.0		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	3.6		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: NML Q4 2024 SYSTEM INFLUENT SA **Lab Number:** L2471663

Project Number: 00913 **Report Date:** 12/12/24

SAMPLE RESULTS

Lab ID: L2471663-01 D
Client ID: SYSTEM INFLUENT (120424)
Sample Location: 766 NEW BABCOCK ST. BUFFALO NY

Date Collected: 12/04/24 09:50
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	0.33	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	290		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	9.6		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	80		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	95		70-130

Project Name: NML Q4 2024 SYSTEM INFLUENT SA **Lab Number:** L2471663

Project Number: 00913 **Report Date:** 12/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/11/24 20:57
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2008507-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: NML Q4 2024 SYSTEM INFLUENT SA **Lab Number:** L2471663

Project Number: 00913 **Report Date:** 12/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/11/24 20:57
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2008507-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: NML Q4 2024 SYSTEM INFLUENT SA
Project Number: 00913
Lab Number: L2471663
Report Date: 12/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/11/24 20:57
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2008507-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	77		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NML Q4 2024 SYSTEM INFLUENT SA
Project Number: 00913

Lab Number: L2471663
Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2008507-3 WG2008507-4								
Methylene chloride	93		90		70-130	3		20
1,1-Dichloroethane	86		83		70-130	4		20
Chloroform	87		85		70-130	2		20
Carbon tetrachloride	82		80		63-132	2		20
1,2-Dichloropropane	87		86		70-130	1		20
Dibromochloromethane	92		87		63-130	6		20
1,1,2-Trichloroethane	100		94		70-130	6		20
Tetrachloroethene	100		96		70-130	4		20
Chlorobenzene	99		93		75-130	6		20
Trichlorofluoromethane	74		72		62-150	3		20
1,2-Dichloroethane	76		74		70-130	3		20
1,1,1-Trichloroethane	84		82		67-130	2		20
Bromodichloromethane	83		80		67-130	4		20
trans-1,3-Dichloropropene	88		83		70-130	6		20
cis-1,3-Dichloropropene	90		87		70-130	3		20
Bromoform	91		83		54-136	9		20
1,1,2,2-Tetrachloroethane	100		94		67-130	6		20
Benzene	97		94		70-130	3		20
Toluene	100		94		70-130	6		20
Ethylbenzene	100		94		70-130	6		20
Chloromethane	79		76		64-130	4		20
Bromomethane	120		110		39-139	9		20
Vinyl chloride	87		84		55-140	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NML Q4 2024 SYSTEM INFLUENT SA
Project Number: 00913
Lab Number: L2471663
Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2008507-3 WG2008507-4								
Chloroethane	95		88		55-138	8		20
1,1-Dichloroethene	99		89		61-145	11		20
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	91		90		70-130	1		20
1,2-Dichlorobenzene	110		96		70-130	14		20
1,3-Dichlorobenzene	110		98		70-130	12		20
1,4-Dichlorobenzene	110		95		70-130	15		20
Methyl tert butyl ether	85		85		63-130	0		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	100		96		70-130	4		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	64		62		36-147	3		20
Acetone	84		87		58-148	4		20
Carbon disulfide	92		83		51-130	10		20
2-Butanone	98		93		63-138	5		20
4-Methyl-2-pentanone	80		77		59-130	4		20
2-Hexanone	88		84		57-130	5		20
Bromochloromethane	100		99		70-130	1		20
1,2-Dibromoethane	97		92		70-130	5		20
1,2-Dibromo-3-chloropropane	92		83		41-144	10		20
Isopropylbenzene	110		96		70-130	14		20
1,2,3-Trichlorobenzene	100		92		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NML Q4 2024 SYSTEM INFLUENT SA
Project Number: 00913
Lab Number: L2471663
Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2008507-3 WG2008507-4								
1,2,4-Trichlorobenzene	100		93		70-130	7		20
Methyl Acetate	90		90		70-130	0		20
Cyclohexane	88		86		70-130	2		20
1,4-Dioxane	102		102		56-162	0		20
Freon-113	93		84		70-130	10		20
Methyl cyclohexane	96		94		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	75		75		70-130
Toluene-d8	101		99		70-130
4-Bromofluorobenzene	99		96		70-130
Dibromofluoromethane	91		91		70-130

Project Name: NML Q4 2024 SYSTEM INFLUENT SA
Project Number: 00913

Lab Number: L2471663
Report Date: 12/12/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2471663-01A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471663-01B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471663-01C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	NML Q4 2024 SYSTEM INFLUENT SA	**Lab Number:**	L2471663
Project Number:	00913	**Report Date:**	12/12/24

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	NML Q4 2024 SYSTEM INFLUENT SA	**Lab Number:**	L2471663
Project Number:	00913	**Report Date:**	12/12/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	NML Q4 2024 SYSTEM INFLUENT SA	**Lab Number:**	L2471663
Project Number:	00913	**Report Date:**	12/12/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: NML Q4 2024 SYSTEM INFLUENT SA **Lab Number:** L2471663

Project Number: 00913 **Report Date:** 12/12/24

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Project Manager.

L2471663 13DEC24
ENVADVANTAGE

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab 12/7/24

Client Information

Client: Env. Advantage, Inc.
Address: 3636 N. Buffalo Rd.
Orchard Park, NY 14127
Phone: (716) 667-3130
Fax: (716) 667-3156
Email: mhanna@envadvantage.com

Project Information

Project Name: NMLO4 2024 System Influent Sample
Project Location: 766 New Babcock St. Buffalo, NY
Project # 00913
(Use Project name as Project #) ☐
Project Manager: Mark Hanna + Mary Szustak
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO # 00913

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please also email results to labresults@envadvantage.com

Please specify Metals or TAL.

ANALYSIS

NYTCL-8260

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments	Total Bottle
71663-01	System Influent (120424)	12/04/24	9:50	Wa	CS		3

Container Type: V
Preservative: B

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Collin Snyder	12/6/24 15:00	Romeo Mack pace	12-6-24 1500
Romeo Mack Pace	12-6-24 1550	Buffalo Service Center	12-6-24 1550
Russell B. Bixby	12-6-24 16:24		

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

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

ANALYTICAL REPORT

Lab Number:	L2471661
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	NML Q4 2024 POST AIR STRIPPER
Project Number:	00913
Report Date:	12/12/24

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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

Project Name: NML Q4 2024 POST AIR STRIPPER
Project Number: 00913

Lab Number: L2471661
Report Date: 12/12/24

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2471661-01	POST AIR STRIPPER (120424)	WATER	766 NEW BABCOCK ST. BUFFALO NY	12/04/24 09:15	12/06/24

Project Name:	NML Q4 2024 POST AIR STRIPPER	**Lab Number:**	L2471661
Project Number:	00913	**Report Date:**	12/12/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	NML Q4 2024 POST AIR STRIPPER	**Lab Number:**	L2471661
Project Number:	00913	**Report Date:**	12/12/24

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2471661-01: The collection date and time on the chain of custody was 04-DEC-24 09:15; however, the collection date/time on the container label was 04-DEC-24 09:20. At the client's request, the collection date/time is reported as 04-DEC-24 09:15.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly O'Neill

Title: Technical Director/Representative Date: 12/12/24

ORGANICS

VOLATILES

Project Name: NML Q4 2024 POST AIR STRIPPER **Lab Number:** L2471661

Project Number: 00913 **Report Date:** 12/12/24

SAMPLE RESULTS

Lab ID: L2471661-01
Client ID: POST AIR STRIPPER (120424)
Sample Location: 766 NEW BABCOCK ST. BUFFALO NY

Date Collected: 12/04/24 09:15
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/12/24 00:09
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	4.0		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	4.9		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.38	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NML Q4 2024 POST AIR STRIPPER **Lab Number:** L2471661

Project Number: 00913 **Report Date:** 12/12/24

SAMPLE RESULTS

Lab ID: L2471661-01 Date Collected: 12/04/24 09:15

Client ID: POST AIR STRIPPER (120424) Date Received: 12/06/24

Sample Location: 766 NEW BABCOCK ST. BUFFALO NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	14		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	79		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	94		70-130

Project Name: NML Q4 2024 POST AIR STRIPPER **Lab Number:** L2471661

Project Number: 00913 **Report Date:** 12/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/11/24 20:57
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2008507-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: NML Q4 2024 POST AIR STRIPPER **Lab Number:** L2471661

Project Number: 00913 **Report Date:** 12/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/11/24 20:57
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2008507-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: NML Q4 2024 POST AIR STRIPPER **Lab Number:** L2471661

Project Number: 00913 **Report Date:** 12/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/11/24 20:57
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2008507-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	77		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NML Q4 2024 POST AIR STRIPPER
Project Number: 00913

Lab Number: L2471661
Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2008507-3 WG2008507-4								
Methylene chloride	93		90		70-130	3		20
1,1-Dichloroethane	86		83		70-130	4		20
Chloroform	87		85		70-130	2		20
Carbon tetrachloride	82		80		63-132	2		20
1,2-Dichloropropane	87		86		70-130	1		20
Dibromochloromethane	92		87		63-130	6		20
1,1,2-Trichloroethane	100		94		70-130	6		20
Tetrachloroethene	100		96		70-130	4		20
Chlorobenzene	99		93		75-130	6		20
Trichlorofluoromethane	74		72		62-150	3		20
1,2-Dichloroethane	76		74		70-130	3		20
1,1,1-Trichloroethane	84		82		67-130	2		20
Bromodichloromethane	83		80		67-130	4		20
trans-1,3-Dichloropropene	88		83		70-130	6		20
cis-1,3-Dichloropropene	90		87		70-130	3		20
Bromoform	91		83		54-136	9		20
1,1,2,2-Tetrachloroethane	100		94		67-130	6		20
Benzene	97		94		70-130	3		20
Toluene	100		94		70-130	6		20
Ethylbenzene	100		94		70-130	6		20
Chloromethane	79		76		64-130	4		20
Bromomethane	120		110		39-139	9		20
Vinyl chloride	87		84		55-140	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NML Q4 2024 POST AIR STRIPPER
Project Number: 00913

Lab Number: L2471661
Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2008507-3 WG2008507-4								
Chloroethane	95		88		55-138	8		20
1,1-Dichloroethene	99		89		61-145	11		20
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	91		90		70-130	1		20
1,2-Dichlorobenzene	110		96		70-130	14		20
1,3-Dichlorobenzene	110		98		70-130	12		20
1,4-Dichlorobenzene	110		95		70-130	15		20
Methyl tert butyl ether	85		85		63-130	0		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	100		96		70-130	4		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	64		62		36-147	3		20
Acetone	84		87		58-148	4		20
Carbon disulfide	92		83		51-130	10		20
2-Butanone	98		93		63-138	5		20
4-Methyl-2-pentanone	80		77		59-130	4		20
2-Hexanone	88		84		57-130	5		20
Bromochloromethane	100		99		70-130	1		20
1,2-Dibromoethane	97		92		70-130	5		20
1,2-Dibromo-3-chloropropane	92		83		41-144	10		20
Isopropylbenzene	110		96		70-130	14		20
1,2,3-Trichlorobenzene	100		92		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NML Q4 2024 POST AIR STRIPPER
Project Number: 00913
Lab Number: L2471661
Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2008507-3 WG2008507-4								
1,2,4-Trichlorobenzene	100		93		70-130	7		20
Methyl Acetate	90		90		70-130	0		20
Cyclohexane	88		86		70-130	2		20
1,4-Dioxane	102		102		56-162	0		20
Freon-113	93		84		70-130	10		20
Methyl cyclohexane	96		94		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	75		75		70-130
Toluene-d8	101		99		70-130
4-Bromofluorobenzene	99		96		70-130
Dibromofluoromethane	91		91		70-130

Project Name: NML Q4 2024 POST AIR STRIPPER
Project Number: 00913

Lab Number: L2471661
Report Date: 12/12/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2471661-01A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471661-01B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471661-01C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	NML Q4 2024 POST AIR STRIPPER	**Lab Number:**	L2471661
Project Number:	00913	**Report Date:**	12/12/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	NML Q4 2024 POST AIR STRIPPER	**Lab Number:**	L2471661
Project Number:	00913	**Report Date:**	12/12/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	NML Q4 2024 POST AIR STRIPPER	**Lab Number:**	L2471661
Project Number:	00913	**Report Date:**	12/12/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: NML Q4 2024 POST AIR STRIPPER **Lab Number:** L2471661

Project Number: 00913 **Report Date:** 12/12/24

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Project Manager.

Serial_No:12122419:23

L2471661 13DEC24

ENVADVANTAGE

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab 12/7/24

Client Information

Client: Env. Advantage, Inc
Address: 3636 N. Buffalo Rd.
Orchard Park, NY 14127
Phone: (716) 667-3130
Fax: (716) 667-3156
Email: mhanna@envadvantage.com

Project Information

Project Name: NML Q4 2024 Post Air Stripper
Project Location: 766 New Babcock St. Buffalo, NY
Project # ~~[illegible]~~ 00913
(Use Project name as Project #) ☐
Project Manager: Mark Hanna + Mary Szustak
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO # 00913

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please also email results to labresults@envadvantage.com

Please specify Metals or TAL.

ANALYSIS

NYTCL-8260

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8260	Sample Specific Comments	Total Bottle
71661-01	Post Air Stripper (120424)	12/4/24	9:15	Wa	CS	X		3

Container Type: V
Preservative: B

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Colli Snyder	12/6/24 15:00	Romeo Mackpoce	12-6-24 1500
Romeo Mackpoce	12-6-24 1550	Buffalo Service Center	12-6-24 1550
Russell B Bixby	12-6-24 16:24		
	0200		12/07/24-02

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

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

ANALYTICAL REPORT

Lab Number:	L2512229
Client:	Matrix Environmental Technologies 3730 California Road Orchard Park, NY 14127
ATTN:	Mary Szustak
Phone:	(716) 662-0745
Project Name:	NML NEW BABCOCK Q1 2025 GW
Project Number:	20-003
Report Date:	03/12/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003

Lab Number: L2512229
Report Date: 03/12/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2512229-01	SYSTEM INFLUENT (030525)	WATER	766 NEW BABCOCK ST, BUFFALO, NY	03/05/25 09:30	03/05/25
L2512229-02	POST AIR STRIPPER (030525)	WATER	766 NEW BABCOCK ST, BUFFALO, NY	03/05/25 09:45	03/05/25

Project Name:	NML NEW BABCOCK Q1 2025 GW	**Lab Number:**	L2512229
Project Number:	20-003	**Report Date:**	03/12/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	NML NEW BABCOCK Q1 2025 GW	**Lab Number:**	L2512229
Project Number:	20-003	**Report Date:**	03/12/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich

Title: Technical Director/Representative Date: 03/12/25

ORGANICS

VOLATILES

Project Name: NML NEW BABCOCK Q1 2025 GW
Lab Number: L2512229
Project Number: 20-003
Report Date: 03/12/25

SAMPLE RESULTS

Lab ID: L2512229-01 D
Client ID: SYSTEM INFLUENT (030525)
Sample Location: 766 NEW BABCOCK ST, BUFFALO, NY

Date Collected: 03/05/25 09:30
Date Received: 03/05/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 11:32
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	120		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	0.69	J	ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	200		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	ND		ug/l	6.2	1.8	2.5
Ethylbenzene	ND		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	63		ug/l	2.5	0.18	2.5
Chloroethane	4.9	J	ug/l	6.2	1.8	2.5
1,1-Dichloroethene	2.4		ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	2.0	J	ug/l	6.2	1.8	2.5
Trichloroethene	3.6		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5

Project Name: NML NEW BABCOCK Q1 2025 GW **Lab Number:** L2512229

Project Number: 20-003 **Report Date:** 03/12/25

SAMPLE RESULTS

Lab ID: L2512229-01 D
Client ID: SYSTEM INFLUENT (030525)
Sample Location: 766 NEW BABCOCK ST, BUFFALO, NY

Date Collected: 03/05/25 09:30
Date Received: 03/05/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	0.42	2.5
p/m-Xylene	ND		ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	360		ug/l	6.2	1.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	5.9	J	ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl Acetate	ND		ug/l	5.0	0.58	2.5
Cyclohexane	ND		ug/l	25	0.68	2.5
1,4-Dioxane	ND		ug/l	620	150	2.5
Freon-113	7.1		ug/l	6.2	1.8	2.5
Methyl cyclohexane	ND		ug/l	25	0.99	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	104		70-130

Project Name: NML NEW BABCOCK Q1 2025 GW **Lab Number:** L2512229

Project Number: 20-003 **Report Date:** 03/12/25

SAMPLE RESULTS

Lab ID: L2512229-02
Client ID: POST AIR STRIPPER (030525)
Sample Location: 766 NEW BABCOCK ST, BUFFALO, NY

Date Collected: 03/05/25 09:45
Date Received: 03/05/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 11:52
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NML NEW BABCOCK Q1 2025 GW **Lab Number:** L2512229

Project Number: 20-003 **Report Date:** 03/12/25

SAMPLE RESULTS

Lab ID: L2512229-02 Date Collected: 03/05/25 09:45

Client ID: POST AIR STRIPPER (030525) Date Received: 03/05/25

Sample Location: 766 NEW BABCOCK ST, BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	2.2	J	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	119		70-130

Project Name: NML NEW BABCOCK Q1 2025 GW **Lab Number:** L2512229

Project Number: 20-003 **Report Date:** 03/12/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/12/25 08:34
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2039685-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003
Lab Number: L2512229
Report Date: 03/12/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/12/25 08:34
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2039685-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: NML NEW BABCOCK Q1 2025 GW **Lab Number:** L2512229

Project Number: 20-003 **Report Date:** 03/12/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/12/25 08:34
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2039685-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	111		70-130

Project Name: NML NEW BABCOCK Q1 2025 GW **Lab Number:** L2512229

Project Number: 20-003 **Report Date:** 03/12/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/12/25 09:49
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG2039694-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: NML NEW BABCOCK Q1 2025 GW **Lab Number:** L2512229

Project Number: 20-003 **Report Date:** 03/12/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/12/25 09:49
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG2039694-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: NML NEW BABCOCK Q1 2025 GW **Lab Number:** L2512229

Project Number: 20-003 **Report Date:** 03/12/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/12/25 09:49
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG2039694-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	115		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003

Lab Number: L2512229
Report Date: 03/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2039685-3 WG2039685-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	100		97		63-132	3		20
1,2-Dichloropropane	96		93		70-130	3		20
Dibromochloromethane	100		97		63-130	3		20
1,1,2-Trichloroethane	100		99		70-130	1		20
Tetrachloroethene	110		97		70-130	13		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	66		65		62-150	2		20
1,2-Dichloroethane	120		110		70-130	9		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	110		100		67-130	10		20
trans-1,3-Dichloropropene	92		86		70-130	7		20
cis-1,3-Dichloropropene	88		84		70-130	5		20
Bromoform	93		82		54-136	13		20
1,1,2,2-Tetrachloroethane	100		93		67-130	7		20
Benzene	99		96		70-130	3		20
Toluene	110		100		70-130	10		20
Ethylbenzene	110		98		70-130	12		20
Chloromethane	98		91		64-130	7		20
Bromomethane	58		54		39-139	7		20
Vinyl chloride	89		84		55-140	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003

Lab Number: L2512229
Report Date: 03/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2039685-3 WG2039685-4								
Chloroethane	86		88		55-138	2		20
1,1-Dichloroethene	100		96		61-145	4		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	100		98		70-130	2		20
1,2-Dichlorobenzene	110		95		70-130	15		20
1,3-Dichlorobenzene	110		94		70-130	16		20
1,4-Dichlorobenzene	100		92		70-130	8		20
Methyl tert butyl ether	74		76		63-130	3		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		90		70-130	11		20
cis-1,2-Dichloroethene	110		99		70-130	11		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	96		90		36-147	6		20
Acetone	130		120		58-148	8		20
Carbon disulfide	100		97		51-130	3		20
2-Butanone	100		120		63-138	18		20
4-Methyl-2-pentanone	74		69		59-130	7		20
2-Hexanone	77		74		57-130	4		20
Bromochloromethane	100		96		70-130	4		20
1,2-Dibromoethane	110		100		70-130	10		20
1,2-Dibromo-3-chloropropane	98		85		41-144	14		20
Isopropylbenzene	100		88		70-130	13		20
1,2,3-Trichlorobenzene	90		82		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003

Lab Number: L2512229
Report Date: 03/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2039685-3 WG2039685-4								
1,2,4-Trichlorobenzene	95		85		70-130	11		20
Methyl Acetate	100		100		70-130	0		20
Cyclohexane	87		82		70-130	6		20
1,4-Dioxane	130		134		56-162	3		20
Freon-113	100		96		70-130	4		20
Methyl cyclohexane	77		71		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		117		70-130
Toluene-d8	108		105		70-130
4-Bromofluorobenzene	103		99		70-130
Dibromofluoromethane	102		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003

Lab Number: L2512229
Report Date: 03/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG2039694-3 WG2039694-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	100		120		63-132	18		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	93		110		63-130	17		20
1,1,2-Trichloroethane	92		91		70-130	1		20
Tetrachloroethene	95		110		70-130	15		20
Chlorobenzene	99		110		75-130	11		20
Trichlorofluoromethane	110		120		62-150	9		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		120		67-130	9		20
Bromodichloromethane	100		110		67-130	10		20
trans-1,3-Dichloropropene	87		89		70-130	2		20
cis-1,3-Dichloropropene	100		110		70-130	10		20
Bromoform	84		96		54-136	13		20
1,1,2,2-Tetrachloroethane	94		86		67-130	9		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	120		120		64-130	0		20
Bromomethane	100		86		39-139	15		20
Vinyl chloride	100		91		55-140	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003

Lab Number: L2512229
Report Date: 03/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG2039694-3 WG2039694-4								
Chloroethane	89		65		55-138	**31**	Q	20
1,1-Dichloroethene	110		120		61-145	9		20
trans-1,2-Dichloroethene	110		120		70-130	9		20
Trichloroethene	100		110		70-130	10		20
1,2-Dichlorobenzene	98		110		70-130	12		20
1,3-Dichlorobenzene	100		110		70-130	10		20
1,4-Dichlorobenzene	99		110		70-130	11		20
Methyl tert butyl ether	97		100		63-130	3		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	100		110		36-147	10		20
Acetone	100		100		58-148	0		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	120		120		63-138	0		20
4-Methyl-2-pentanone	74		75		59-130	1		20
2-Hexanone	81		84		57-130	4		20
Bromochloromethane	110		130		70-130	17		20
1,2-Dibromoethane	95		100		70-130	5		20
1,2-Dibromo-3-chloropropane	87		99		41-144	13		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	97		110		70-130	13		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003

Lab Number: L2512229
Report Date: 03/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG2039694-3 WG2039694-4								
1,2,4-Trichlorobenzene	99		110		70-130	11		20
Methyl Acetate	110		110		70-130	0		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	96		106		56-162	10		20
Freon-113	100		120		70-130	18		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		105		70-130
Toluene-d8	101		94		70-130
4-Bromofluorobenzene	103		90		70-130
Dibromofluoromethane	105		112		70-130

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003

Lab Number: L2512229
Report Date: 03/12/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512229-01A	Vial HCl preserved	B	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2512229-01B	Vial HCl preserved	B	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2512229-01C	Vial HCl preserved	B	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2512229-02A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2512229-02B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2512229-02C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	NML NEW BABCOCK Q1 2025 GW	**Lab Number:**	L2512229
Project Number:	20-003	**Report Date:**	03/12/25

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	NML NEW BABCOCK Q1 2025 GW	**Lab Number:**	L2512229
Project Number:	20-003	**Report Date:**	03/12/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	NML NEW BABCOCK Q1 2025 GW	**Lab Number:**	L2512229
Project Number:	20-003	**Report Date:**	03/12/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: NML NEW BABCOCK Q1 2025 GW **Lab Number:** L2512229

Project Number: 20-003 **Report Date:** 03/12/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

Serial_No:03122516:13

NEW YORK CHAIN OF CUSTODY

L2512229
MATRIX – ENVIRO

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab 3/6/25

Client Information

Client: Matrix Environmental
Address: 3730 California Rd
Orchard Park, NY 14127
Phone: 716-662-0745
Fax:
Email: mszustak@matrixbiotech.com

Project Information

Project Name: NML New Babcock Q1 2025 System
Project Location: 7196 New Babcock St. Buffalo, NY
Project # 20-003
(Use Project name as Project #) ☐
Project Manager: M. Deyo
ALPHAQuote #:

Turn-Around Time

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

copy CCurtis@matrixbiotech.com

Please specify Metals or TAL.

Deliverables

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

☒ Same as Client Info
PO # 20-003

Regulatory Requirement

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

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

TCL VOCs 8260

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs 8260	Sample Specific Comments	Total Bottle
12229-01	System Influent (030525)	3/5/25	930	GW	PB	X		3
-02	Post Air Stripper (030625)	3/5/25	945	GW	PB	X		3

Container Type: V
Preservative: B

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Mitch Morgan	3/4/25 2:45 PM	Charles Curtis	3-5-25 2:45
Charles Curtis	3-5-25 2:49	Brett Fiddler / SLC	3-5-25 2:49
Russell Bailey	3-5-25 15:38		

031061250100

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

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

ANALYTICAL REPORT

Lab Number:	L2537938
Client:	Matrix Environmental Technologies 3730 California Road Orchard Park, NY 14127
ATTN:	Mary Szustak
Phone:	(716) 662-0745
Project Name:	NIAGARA METALS Q2 2025 SYSTEM
Project Number:	20-003
Report Date:	07/01/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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

Project Name: NIAGARA METALS Q2 2025 SYSTEM
Project Number: 20-003

Lab Number: L2537938
Report Date: 07/01/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2537938-01	INFLUENT (061625)	WATER	766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	06/16/25 15:10	06/17/25
L2537938-02	POST AIR STRIPPER (061625)	WATER	766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	06/16/25 15:15	06/17/25

Project Name:	NIAGARA METALS Q2 2025 SYSTEM	**Lab Number:**	L2537938
Project Number:	20-003	**Report Date:**	07/01/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	NIAGARA METALS Q2 2025 SYSTEM	**Lab Number:**	L2537938
Project Number:	20-003	**Report Date:**	07/01/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 07/01/25

ORGANICS

VOLATILES

Project Name: NIAGARA METALS Q2 2025 SYSTEM **Lab Number:** L2537938

Project Number: 20-003 **Report Date:** 07/01/25

SAMPLE RESULTS

Lab ID: L2537938-01 D
Client ID: INFLUENT (061625)
Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO

Date Collected: 06/16/25 15:10
Date Received: 06/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/30/25 13:13
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	140		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	1.9	J	ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	430		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	91		ug/l	5.0	0.36	5
Chloroethane	5.8	J	ug/l	12	3.5	5
1,1-Dichloroethene	6.3		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	25		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: NIAGARA METALS Q2 2025 SYSTEM **Lab Number:** L2537938

Project Number: 20-003 **Report Date:** 07/01/25

SAMPLE RESULTS

Lab ID: L2537938-01 D Date Collected: 06/16/25 15:10

Client ID: INFLUENT (061625) Date Received: 06/17/25

Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	0.83	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	830		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	17	J	ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	15		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	116		70-130

Project Name: NIAGARA METALS Q2 2025 SYSTEM **Lab Number:** L2537938

Project Number: 20-003 **Report Date:** 07/01/25

SAMPLE RESULTS

Lab ID: L2537938-02
Client ID: POST AIR STRIPPER (061625)
Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO

Date Collected: 06/16/25 15:15
Date Received: 06/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/28/25 12:16
Analyst: KAB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	24		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	54		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	3.9		ug/l	1.0	0.07	1
Chloroethane	0.70	J	ug/l	2.5	0.70	1
1,1-Dichloroethene	0.60		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	3.2		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NIAGARA METALS Q2 2025 SYSTEM **Lab Number:** L2537938

Project Number: 20-003 **Report Date:** 07/01/25

SAMPLE RESULTS

Lab ID: L2537938-02 Date Collected: 06/16/25 15:15

Client ID: POST AIR STRIPPER (061625) Date Received: 06/17/25

Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	140		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	7.2		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	0.96	J	ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	102		70-130

Project Name: NIAGARA METALS Q2 2025 SYSTEM **Lab Number:** L2537938

Project Number: 20-003 **Report Date:** 07/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/28/25 10:32
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG2085076-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: NIAGARA METALS Q2 2025 SYSTEM **Lab Number:** L2537938

Project Number: 20-003 **Report Date:** 07/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/28/25 10:32
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG2085076-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: NIAGARA METALS Q2 2025 SYSTEM **Lab Number:** L2537938

Project Number: 20-003 **Report Date:** 07/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/28/25 10:32
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG2085076-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: NIAGARA METALS Q2 2025 SYSTEM **Lab Number:** L2537938

Project Number: 20-003 **Report Date:** 07/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/30/25 09:47
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2085639-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: NIAGARA METALS Q2 2025 SYSTEM **Lab Number:** L2537938

Project Number: 20-003 **Report Date:** 07/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/30/25 09:47
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2085639-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: NIAGARA METALS Q2 2025 SYSTEM **Lab Number:** L2537938

Project Number: 20-003 **Report Date:** 07/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/30/25 09:47
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2085639-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METALS Q2 2025 SYSTEM
Project Number: 20-003

Lab Number: L2537938
Report Date: 07/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG2085076-3 WG2085076-4								
Methylene chloride	95		95		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	96		97		70-130	1		20
Carbon tetrachloride	95		97		63-132	2		20
1,2-Dichloropropane	97		97		70-130	0		20
Dibromochloromethane	80		82		63-130	2		20
1,1,2-Trichloroethane	94		93		70-130	1		20
Tetrachloroethene	92		94		70-130	2		20
Chlorobenzene	95		94		75-130	1		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	98		100		70-130	2		20
1,1,1-Trichloroethane	96		97		67-130	1		20
Bromodichloromethane	88		89		67-130	1		20
trans-1,3-Dichloropropene	86		86		70-130	0		20
cis-1,3-Dichloropropene	85		85		70-130	0		20
Bromoform	68		70		54-136	3		20
1,1,2,2-Tetrachloroethane	91		93		67-130	2		20
Benzene	99		98		70-130	1		20
Toluene	97		96		70-130	1		20
Ethylbenzene	100		99		70-130	1		20
Chloromethane	96		97		64-130	1		20
Bromomethane	68		69		39-139	1		20
Vinyl chloride	110		110		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METALS Q2 2025 SYSTEM
Project Number: 20-003

Lab Number: L2537938
Report Date: 07/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG2085076-3 WG2085076-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	95		97		61-145	2		20
trans-1,2-Dichloroethene	95		95		70-130	0		20
Trichloroethene	93		94		70-130	1		20
1,2-Dichlorobenzene	94		94		70-130	0		20
1,3-Dichlorobenzene	96		97		70-130	1		20
1,4-Dichlorobenzene	93		95		70-130	2		20
Methyl tert butyl ether	78		80		63-130	3		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	93		94		70-130	1		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	90		98		58-148	9		20
Carbon disulfide	90		92		51-130	2		20
2-Butanone	88		91		63-138	3		20
4-Methyl-2-pentanone	80		74		59-130	8		20
2-Hexanone	74		79		57-130	7		20
Bromochloromethane	92		91		70-130	1		20
1,2-Dibromoethane	85		89		70-130	5		20
1,2-Dibromo-3-chloropropane	61		67		41-144	9		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	78		80		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METALS Q2 2025 SYSTEM
Project Number: 20-003

Lab Number: L2537938
Report Date: 07/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG2085076-3 WG2085076-4								
1,2,4-Trichlorobenzene	80		80		70-130	0		20
Methyl Acetate	92		93		70-130	1		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	92		94		56-162	2		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	104		105		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METALS Q2 2025 SYSTEM
Project Number: 20-003

Lab Number: L2537938
Report Date: 07/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2085639-3 WG2085639-4								
Methylene chloride	92		100		70-130	8		20
1,1-Dichloroethane	92		100		70-130	8		20
Chloroform	91		100		70-130	9		20
Carbon tetrachloride	89		100		63-132	12		20
1,2-Dichloropropane	90		98		70-130	9		20
Dibromochloromethane	86		94		63-130	9		20
1,1,2-Trichloroethane	87		98		70-130	12		20
Tetrachloroethene	90		100		70-130	11		20
Chlorobenzene	90		100		75-130	11		20
Trichlorofluoromethane	87		100		62-150	14		20
1,2-Dichloroethane	90		100		70-130	11		20
1,1,1-Trichloroethane	91		100		67-130	9		20
Bromodichloromethane	90		98		67-130	9		20
trans-1,3-Dichloropropene	81		90		70-130	11		20
cis-1,3-Dichloropropene	82		92		70-130	11		20
Bromoform	76		86		54-136	12		20
1,1,2,2-Tetrachloroethane	82		92		67-130	11		20
Benzene	93		100		70-130	7		20
Toluene	90		99		70-130	10		20
Ethylbenzene	91		100		70-130	9		20
Chloromethane	100		110		64-130	10		20
Bromomethane	97		110		39-139	13		20
Vinyl chloride	92		100		55-140	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METALS Q2 2025 SYSTEM
Project Number: 20-003

Lab Number: L2537938
Report Date: 07/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2085639-3 WG2085639-4								
Chloroethane	98		110		55-138	12		20
1,1-Dichloroethene	92		100		61-145	8		20
trans-1,2-Dichloroethene	90		100		70-130	11		20
Trichloroethene	86		95		70-130	10		20
1,2-Dichlorobenzene	90		98		70-130	9		20
1,3-Dichlorobenzene	90		99		70-130	10		20
1,4-Dichlorobenzene	90		98		70-130	9		20
Methyl tert butyl ether	79		88		63-130	11		20
p/m-Xylene	95		105		70-130	10		20
o-Xylene	95		105		70-130	10		20
cis-1,2-Dichloroethene	92		100		70-130	8		20
Styrene	95		105		70-130	10		20
Dichlorodifluoromethane	82		100		36-147	20		20
Acetone	82		93		58-148	13		20
Carbon disulfide	91		100		51-130	9		20
2-Butanone	73		82		63-138	12		20
4-Methyl-2-pentanone	67		80		59-130	18		20
2-Hexanone	71		77		57-130	8		20
Bromochloromethane	97		110		70-130	13		20
1,2-Dibromoethane	86		96		70-130	11		20
1,2-Dibromo-3-chloropropane	72		85		41-144	17		20
Isopropylbenzene	85		96		70-130	12		20
1,2,3-Trichlorobenzene	87		95		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METALS Q2 2025 SYSTEM
Project Number: 20-003

Lab Number: L2537938
Report Date: 07/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2085639-3 WG2085639-4								
1,2,4-Trichlorobenzene	87		95		70-130	9		20
Methyl Acetate	74		90		70-130	20		20
Cyclohexane	81		98		70-130	19		20
1,4-Dioxane	78		84		56-162	7		20
Freon-113	85		100		70-130	16		20
Methyl cyclohexane	78		95		70-130	20		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		103		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	102		101		70-130

Project Name: NIAGARA METALS Q2 2025 SYSTEM
Project Number: 20-003

Lab Number: L2537938
Report Date: 07/01/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2537938-01A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537938-01B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537938-01C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537938-02A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537938-02B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537938-02C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	NIAGARA METALS Q2 2025 SYSTEM	**Lab Number:**	L2537938
Project Number:	20-003	**Report Date:**	07/01/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	NIAGARA METALS Q2 2025 SYSTEM	**Lab Number:**	L2537938
Project Number:	20-003	**Report Date:**	07/01/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	NIAGARA METALS Q2 2025 SYSTEM	**Lab Number:**	L2537938
Project Number:	20-003	**Report Date:**	07/01/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: NIAGARA METALS Q2 2025 SYSTEM **Lab Number:** L2537938

Project Number: 20-003 **Report Date:** 07/01/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 6/18/25

ALPHA Job #: L2537938

Client Information

Client: Matrix Environmental Tech
Address: 3730 California Road
Orchard Park, NY 14127
Phone: 716-662-0745
Fax:
Email: mszustak@matrixbiotech.com

Project Information

Project Name: Niagara Metals Q2 2025 SYSTEM Sampling
Project Location: 766 New Babcock St. & 50 Hannah St., Buffalo
Project #: 20-003
(Use Project name as Project #) ☑
Project Manager: M. Deyo
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO # 20-003

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☑

Other project specific requirements/comments:

Please CC results to ccurtis@matrixbiotech.com

Please specify Metals or TAL.

ANALYSIS

TCL VOCS

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

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCS	Sample Specific Comments	Total Bottle
37934.01	Influent (061625)	6/16/2025	3:10 p	GW	NA	X		3
.02	Post Air Stripper (061625)	6/16/2025	3:15p	GW	NA	X		3

Container Type: V
Preservative: B

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Mary Szustak	6/17/25 1:30pm	Matt Pace	6/17/25 1:30PM
	6/17/25 1412	BUFFALO SC	6-17-25 14:12
Russell B. Daly	6-17-25 16:22		6/18/25 - 0400

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

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

Sample Delivery Group Summary

Pace Job Number : L2537938
Received : 17-JUN-2025
Reviewer : Richard Scott

Account Name : Matrix Environmental Technologies
Project Number : 20-003
Project Name : NIAGARA METALS Q2 2025 SYSTEM

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.3	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NO**

APPENDIX E

GWP&T System Discharge Sampling Laboratory Analytical Data Reports

WASTEWATER MONITORING FIELD OBSERVATIONS

INITIAL INSTALLATION
Date / Time: 10/08/2024 **Location:** Niagara Metals Central, 766 New Babcock St. Buffalo, NY **Sample point:** SP001 **Comments & Observations:** Matrix Environmental Technologies, Inc. (METI) assisted in retrieving wastewater samples. METI suggested installing a secondary spigot along the PVC piping that leads to SP001 to ease sampling procedures.

SAMPLE 1	
DATE: 10/08/2024	**TIME:** 8:30 am
WEATHER: 54°F and sunny	
NOTES & COMMENTS Sample point**:** SP001 Duration**:** Instant Sample type**:** Grab Parameters: pH Method 9040, VOCs Method 624.1, SVOCs Method 625.1, Total PCBs Method 608.	
PHYSICAL OBSERVATIONS Collection time: 8:45 am Sample volume: 7L pH: 8.16 Temp.: 63.7°F Sample Description: The sample was observed to be clear with no color or odor. Limited black settled solids were identified in the sample.	

Sampler signature  Date: 10/16/2024

ANALYTICAL REPORT

Lab Number:	L2458195
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	2024 SEMI-ANNUAL BSA SAMPLE-NM
Project Number:	00913
Report Date:	10/15/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM
Project Number: 00913

Lab Number: L2458195
Report Date: 10/15/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2458195-01	SP-001	WATER	NEW BABCOCK, BUFFALO, NEW YORK	10/08/24 08:45	10/08/24

Project Name:	2024 SEMI-ANNUAL BSA SAMPLE-NM	**Lab Number:**	L2458195
Project Number:	00913	**Report Date:**	10/15/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	2024 SEMI-ANNUAL BSA SAMPLE-NM	**Lab Number:**	L2458195
Project Number:	00913	**Report Date:**	10/15/24

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich

Title: Technical Director/Representative Date: 10/15/24

ORGANICS

VOLATILES

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM **Lab Number:** L2458195

Project Number: 00913 **Report Date:** 10/15/24

SAMPLE RESULTS

Lab ID: L2458195-01 Date Collected: 10/08/24 08:45

Client ID: SP-001 Date Received: 10/08/24

Sample Location: NEW BABCOCK, BUFFALO, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 128,624.1

Analytical Date: 10/09/24 17:05

Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM **Lab Number:** L2458195

Project Number: 00913 **Report Date:** 10/15/24

SAMPLE RESULTS

Lab ID: L2458195-01 Date Collected: 10/08/24 08:45

Client ID: SP-001 Date Received: 10/08/24

Sample Location: NEW BABCOCK, BUFFALO, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	91		60-140
Fluorobenzene	85		60-140
4-Bromofluorobenzene	89		60-140

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM **Lab Number:** L2458195

Project Number: 00913 **Report Date:** 10/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
Analytical Date: 10/09/24 11:01
Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1982729-4					
Methylene chloride	ND		ug/l	1.0	0.56
1,1-Dichloroethane	ND		ug/l	1.5	0.40
Chloroform	ND		ug/l	1.0	0.38
Carbon tetrachloride	ND		ug/l	1.0	0.24
1,2-Dichloropropane	ND		ug/l	3.5	0.46
Dibromochloromethane	ND		ug/l	1.0	0.27
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.35
Tetrachloroethene	ND		ug/l	1.0	0.26
Chlorobenzene	ND		ug/l	3.5	0.30
Trichlorofluoromethane	ND		ug/l	5.0	0.28
1,2-Dichloroethane	ND		ug/l	1.5	0.47
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29
Bromodichloromethane	ND		ug/l	1.0	0.28
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34
Bromoform	ND		ug/l	1.0	0.22
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20
Benzene	ND		ug/l	1.0	0.38
Toluene	ND		ug/l	1.0	0.31
Ethylbenzene	ND		ug/l	1.0	0.28
Chloromethane	ND		ug/l	5.0	1.0
Bromomethane	ND		ug/l	5.0	1.2
Vinyl chloride	ND		ug/l	1.0	0.38
Chloroethane	ND		ug/l	2.0	0.37
1,1-Dichloroethene	ND		ug/l	1.0	0.31
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17
Trichloroethene	ND		ug/l	1.0	0.33

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM **Lab Number:** L2458195

Project Number: 00913 **Report Date:** 10/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
Analytical Date: 10/09/24 11:01
Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1982729-4					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Styrene	ND		ug/l	1.0	0.37
Acetone	2.5	J	ug/l	10	2.4
Carbon disulfide	ND		ug/l	5.0	0.28
2-Butanone	ND		ug/l	10	1.0
Vinyl acetate	ND		ug/l	10	0.41
4-Methyl-2-pentanone	ND		ug/l	10	0.19
2-Hexanone	ND		ug/l	10	0.55
Acrolein	ND		ug/l	8.0	1.8
Acrylonitrile	ND		ug/l	10	0.33
Dibromomethane	ND		ug/l	1.0	0.23

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	92		60-140
Fluorobenzene	89		60-140
4-Bromofluorobenzene	86		60-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM

Project Number: 00913

Lab Number: L2458195

Report Date: 10/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1982729-3								
Methylene chloride	85		-		60-140	-		28
1,1-Dichloroethane	85		-		50-150	-		49
Chloroform	95		-		70-135	-		54
Carbon tetrachloride	105		-		70-130	-		41
1,2-Dichloropropane	80		-		35-165	-		55
Dibromochloromethane	110		-		70-135	-		50
1,1,2-Trichloroethane	110		-		70-130	-		45
2-Chloroethylvinyl ether	24		-		1-225	-		71
Tetrachloroethene	120		-		70-130	-		39
Chlorobenzene	70		-		65-135	-		53
Trichlorofluoromethane	100		-		50-150	-		84
1,2-Dichloroethane	100		-		70-130	-		49
1,1,1-Trichloroethane	105		-		70-130	-		36
Bromodichloromethane	110		-		65-135	-		56
trans-1,3-Dichloropropene	100		-		50-150	-		86
cis-1,3-Dichloropropene	95		-		25-175	-		58
Bromoform	100		-		70-130	-		42
1,1,2,2-Tetrachloroethane	95		-		60-140	-		61
Benzene	85		-		65-135	-		61
Toluene	100		-		70-130	-		41
Ethylbenzene	90		-		60-140	-		63
Chloromethane	70		-		1-205	-		60
Bromomethane	125		-		15-185	-		61

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM

Project Number: 00913

Lab Number: L2458195

Report Date: 10/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1982729-3								
Vinyl chloride	85		-		5-195	-		66
Chloroethane	100		-		40-160	-		78
1,1-Dichloroethene	85		-		50-150	-		32
trans-1,2-Dichloroethene	85		-		70-130	-		45
cis-1,2-Dichloroethene	85		-		60-140	-		30
Trichloroethene	90		-		65-135	-		48
1,2-Dichlorobenzene	90		-		65-135	-		57
1,3-Dichlorobenzene	85		-		70-130	-		43
1,4-Dichlorobenzene	85		-		65-135	-		57
p/m-Xylene	75		-		60-140	-		30
o-xylene	70		-		60-140	-		30
Styrene	70		-		60-140	-		30
Acetone	104		-		40-160	-		30
Carbon disulfide	80		-		60-140	-		30
2-Butanone	114		-		60-140	-		30
Vinyl acetate	60		-		60-140	-		30
4-Methyl-2-pentanone	118		-		60-140	-		30
2-Hexanone	130		-		60-140	-		30
Acrolein	88		-		60-140	-		30
Acrylonitrile	102		-		60-140	-		60
Dibromomethane	90		-		70-130	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM

Project Number: 00913

Lab Number: L2458195

Report Date: 10/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1982729-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	99				60-140
Fluorobenzene	94				60-140
4-Bromofluorobenzene	84				60-140

SEMIVOLATILES

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM **Lab Number:** L2458195

Project Number: 00913 **Report Date:** 10/15/24

SAMPLE RESULTS

Lab ID: L2458195-01
Client ID: SP-001
Sample Location: NEW BABCOCK, BUFFALO, NEW YORK

Date Collected: 10/08/24 08:45
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 129,625.1
Analytical Date: 10/12/24 18:54
Analyst: SMZ

Extraction Method: EPA 625.1
Extraction Date: 10/12/24 02:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.00	0.407	1
Benzidine[1]	ND		ug/l	20.0	12.1	1
1,2,4-Trichlorobenzene	ND		ug/l	5.00	1.49	1
Hexachlorobenzene	ND		ug/l	2.00	0.952	1
Bis(2-chloroethyl)ether	ND		ug/l	2.00	0.600	1
2-Chloronaphthalene	ND		ug/l	2.00	0.319	1
3,3'-Dichlorobenzidine	ND		ug/l	5.00	0.457	1
2,4-Dinitrotoluene	ND		ug/l	5.00	0.636	1
2,6-Dinitrotoluene	ND		ug/l	5.00	0.631	1
Fluoranthene	ND		ug/l	2.00	0.736	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.00	0.371	1
4-Bromophenyl phenyl ether	ND		ug/l	2.00	0.447	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.00	0.822	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.00	0.585	1
Hexachlorobutadiene	ND		ug/l	2.00	0.921	1
Hexachlorocyclopentadiene[1]	ND		ug/l	10.0	1.36	1
Hexachloroethane	ND		ug/l	2.00	0.973	1
Isophorone	ND		ug/l	5.00	0.546	1
Naphthalene	ND		ug/l	2.00	0.896	1
Nitrobenzene	ND		ug/l	2.00	0.788	1
NDPA/DPA[1]	ND		ug/l	2.00	0.783	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.00	0.630	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	2.20	1.70	1
Butyl benzyl phthalate	ND		ug/l	5.00	0.670	1
Di-n-butylphthalate	ND		ug/l	5.00	0.631	1
Di-n-octylphthalate	ND		ug/l	5.00	0.633	1
Diethyl phthalate	ND		ug/l	5.00	0.717	1
Dimethyl phthalate	ND		ug/l	5.00	1.40	1

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM **Lab Number:** L2458195

Project Number: 00913 **Report Date:** 10/15/24

SAMPLE RESULTS

Lab ID: L2458195-01 Date Collected: 10/08/24 08:45

Client ID: SP-001 Date Received: 10/08/24

Sample Location: NEW BABCOCK, BUFFALO, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/l	2.00	0.665	1
Benzo(a)pyrene	ND		ug/l	2.00	0.610	1
Benzo(b)fluoranthene	ND		ug/l	2.00	0.741	1
Benzo(k)fluoranthene	ND		ug/l	2.00	0.739	1
Chrysene	ND		ug/l	2.00	0.668	1
Acenaphthylene	ND		ug/l	2.00	0.930	1
Anthracene	ND		ug/l	2.00	0.791	1
Benzo(ghi)perylene	ND		ug/l	2.00	0.672	1
Fluorene	ND		ug/l	2.00	0.927	1
Phenanthrene	ND		ug/l	2.00	0.818	1
Dibenzo(a,h)anthracene	ND		ug/l	2.00	0.687	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.00	0.633	1
Pyrene	ND		ug/l	2.00	0.728	1
n-Nitrosodimethylamine[1]	ND		ug/l	2.00	0.407	1
2,4,6-Trichlorophenol	ND		ug/l	5.00	0.607	1
p-Chloro-m-cresol	ND		ug/l	2.00	0.533	1
2-Chlorophenol	ND		ug/l	2.00	0.513	1
2,4-Dichlorophenol	ND		ug/l	5.00	0.554	1
2,4-Dimethylphenol	ND		ug/l	5.00	0.851	1
2-Nitrophenol	ND		ug/l	5.00	0.604	1
4-Nitrophenol	ND		ug/l	10.0	0.834	1
2,4-Dinitrophenol	ND		ug/l	20.0	1.21	1
4,6-Dinitro-o-cresol	ND		ug/l	10.0	1.20	1
Pentachlorophenol	ND		ug/l	5.00	0.622	1
Phenol	ND		ug/l	5.00	0.262	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-87
Phenol-d6	35		16-65
Nitrobenzene-d5	96		42-122
2-Fluorobiphenyl	81		46-121
2,4,6-Tribromophenol	81		45-128
4-Terphenyl-d14	89		47-138

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM **Lab Number:** L2458195

Project Number: 00913 **Report Date:** 10/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 129,625.1
Analytical Date: 10/12/24 11:43
Analyst: JG

Extraction Method: EPA 625.1
Extraction Date: 10/11/24 08:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1983253-1					
Acenaphthene	ND		ug/l	2.00	0.407
Benzidine[1]	ND		ug/l	20.0	12.1
1,2,4-Trichlorobenzene	ND		ug/l	5.00	1.49
Hexachlorobenzene	ND		ug/l	2.00	0.952
Bis(2-chloroethyl)ether	ND		ug/l	2.00	0.600
2-Chloronaphthalene	ND		ug/l	2.00	0.319
3,3'-Dichlorobenzidine	ND		ug/l	5.00	0.457
2,4-Dinitrotoluene	ND		ug/l	5.00	0.636
2,6-Dinitrotoluene	ND		ug/l	5.00	0.631
Fluoranthene	ND		ug/l	2.00	0.736
4-Chlorophenyl phenyl ether	ND		ug/l	2.00	0.371
4-Bromophenyl phenyl ether	ND		ug/l	2.00	0.447
Bis(2-chloroisopropyl)ether	ND		ug/l	2.00	0.822
Bis(2-chloroethoxy)methane	ND		ug/l	5.00	0.585
Hexachlorobutadiene	ND		ug/l	2.00	0.921
Hexachlorocyclopentadiene[1]	ND		ug/l	10.0	1.36
Hexachloroethane	ND		ug/l	2.00	0.973
Isophorone	ND		ug/l	5.00	0.546
Naphthalene	ND		ug/l	2.00	0.896
Nitrobenzene	ND		ug/l	2.00	0.788
NDPA/DPA[1]	ND		ug/l	2.00	0.783
n-Nitrosodi-n-propylamine	ND		ug/l	5.00	0.630
Bis(2-ethylhexyl)phthalate	ND		ug/l	2.20	1.70
Butyl benzyl phthalate	ND		ug/l	5.00	0.670
Di-n-butylphthalate	ND		ug/l	5.00	0.631
Di-n-octylphthalate	ND		ug/l	5.00	0.633
Diethyl phthalate	ND		ug/l	5.00	0.717
Dimethyl phthalate	ND		ug/l	5.00	1.40
Benzo(a)anthracene	ND		ug/l	2.00	0.665

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM
Lab Number: L2458195
Project Number: 00913
Report Date: 10/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 129,625.1
Analytical Date: 10/12/24 11:43
Analyst: JG

Extraction Method: EPA 625.1
Extraction Date: 10/11/24 08:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1983253-1					
Benzo(a)pyrene	ND		ug/l	2.00	0.610
Benzo(b)fluoranthene	ND		ug/l	2.00	0.741
Benzo(k)fluoranthene	ND		ug/l	2.00	0.739
Chrysene	ND		ug/l	2.00	0.668
Acenaphthylene	ND		ug/l	2.00	0.930
Anthracene	ND		ug/l	2.00	0.791
Benzo(ghi)perylene	ND		ug/l	2.00	0.672
Fluorene	ND		ug/l	2.00	0.927
Phenanthrene	ND		ug/l	2.00	0.818
Dibenzo(a,h)anthracene	ND		ug/l	2.00	0.687
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.00	0.633
Pyrene	ND		ug/l	2.00	0.728
n-Nitrosodimethylamine[1]	ND		ug/l	2.00	0.407
2,4,6-Trichlorophenol	ND		ug/l	5.00	0.607
p-Chloro-m-cresol	ND		ug/l	2.00	0.533
2-Chlorophenol	ND		ug/l	2.00	0.513
2,4-Dichlorophenol	ND		ug/l	5.00	0.554
2,4-Dimethylphenol	ND		ug/l	5.00	0.851
2-Nitrophenol	ND		ug/l	5.00	0.604
4-Nitrophenol	ND		ug/l	10.0	0.834
2,4-Dinitrophenol	ND		ug/l	20.0	1.21
4,6-Dinitro-o-cresol	ND		ug/l	10.0	1.20
Pentachlorophenol	ND		ug/l	5.00	0.622
Phenol	ND		ug/l	5.00	0.262

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM
Lab Number: L2458195
Project Number: 00913
Report Date: 10/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 129,625.1
Analytical Date: 10/12/24 11:43
Analyst: JG

Extraction Method: EPA 625.1
Extraction Date: 10/11/24 08:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1983253-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		25-87
Phenol-d6	28		16-65
Nitrobenzene-d5	72		42-122
2-Fluorobiphenyl	65		46-121
2,4,6-Tribromophenol	69		45-128
4-Terphenyl-d14	89		47-138

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM

Project Number: 00913

Lab Number: L2458195

Report Date: 10/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1983253-3								
Acenaphthene	74		-		47-145	-		48
Benzidine[1]	7		-		0-70	-		30
1,2,4-Trichlorobenzene	61		-		44-142	-		50
Hexachlorobenzene	79		-		1-152	-		55
Bis(2-chloroethyl)ether	70		-		12-158	-		108
2-Chloronaphthalene	73		-		60-120	-		24
3,3'-Dichlorobenzidine	32		-		1-262	-		108
2,4-Dinitrotoluene	100		-		39-139	-		42
2,6-Dinitrotoluene	92		-		50-158	-		48
Fluoranthene	84		-		26-137	-		66
4-Chlorophenyl phenyl ether	81		-		25-158	-		61
4-Bromophenyl phenyl ether	81		-		53-127	-		43
Bis(2-chloroisopropyl)ether	49		-		36-166	-		76
Bis(2-chloroethoxy)methane	77		-		33-184	-		54
Hexachlorobutadiene	68		-		24-120	-		62
Hexachlorocyclopentadiene[1]	44		-		7-118	-		35
Hexachloroethane	58		-		40-120	-		52
Isophorone	83		-		21-196	-		93
Naphthalene	65		-		21-133	-		65
Nitrobenzene	77		-		35-180	-		62
NDPA/DPA[1]	76		-		45-112	-		36
n-Nitrosodi-n-propylamine	78		-		1-230	-		87
Bis(2-ethylhexyl)phthalate	83		-		8-158	-		82

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM

Project Number: 00913

Lab Number: L2458195

Report Date: 10/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1983253-3								
Butyl benzyl phthalate	92		-		1-140	-		60
Di-n-butylphthalate	87		-		1-120	-		47
Di-n-octylphthalate	85		-		19-132	-		69
Diethyl phthalate	83		-		1-120	-		100
Dimethyl phthalate	80		-		1-120	-		183
Benzo(a)anthracene	76		-		33-143	-		53
Benzo(a)pyrene	75		-		17-163	-		72
Benzo(b)fluoranthene	78		-		24-159	-		71
Benzo(k)fluoranthene	70		-		11-162	-		63
Chrysene	76		-		17-168	-		87
Acenaphthylene	71		-		33-145	-		74
Anthracene	79		-		27-133	-		66
Benzo(ghi)perylene	78		-		1-219	-		97
Fluorene	77		-		59-121	-		38
Phenanthrene	81		-		54-120	-		39
Dibenzo(a,h)anthracene	78		-		1-227	-		126
Indeno(1,2,3-cd)pyrene	78		-		1-171	-		99
Pyrene	83		-		52-120	-		49
n-Nitrosodimethylamine[1]	47		-		15-68	-		17
2,4,6-Trichlorophenol	82		-		37-144	-		58
p-Chloro-m-cresol	85		-		68-130	-		73
2-Chlorophenol	67		-		23-124	-		61
2,4-Dichlorophenol	74		-		39-135	-		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM

Project Number: 00913

Lab Number: L2458195

Report Date: 10/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1983253-3								
2,4-Dimethylphenol	63		-		32-120	-		58
2-Nitrophenol	81		-		29-182	-		55
4-Nitrophenol	65		-		1-132	-		131
2,4-Dinitrophenol	102		-		1-191	-		132
4,6-Dinitro-o-cresol	114		-		56-130	-		203
Pentachlorophenol	85		-		14-176	-		86
Phenol	36		-		5-120	-		64

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	49				25-87
Phenol-d6	34				16-65
Nitrobenzene-d5	78				42-122
2-Fluorobiphenyl	70				46-121
2,4,6-Tribromophenol	76				45-128
4-Terphenyl-d14	81				47-138

PCBS

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM
Lab Number: L2458195
Project Number: 00913
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458195-01
Client ID: SP-001
Sample Location: NEW BABCOCK, BUFFALO, NEW YORK

Date Collected: 10/08/24 08:45
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 10/14/24 19:58
Analyst: EMR

Extraction Method: EPA 608.3
Extraction Date: 10/13/24 23:24
Cleanup Method: EPA 3665A
Cleanup Date: 10/14/24
Cleanup Method: EPA 3660B
Cleanup Date: 10/14/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	0.008	1	A
Aroclor 1221	ND		ug/l	0.050	0.011	1	A
Aroclor 1232	ND		ug/l	0.050	0.023	1	A
Aroclor 1242	ND		ug/l	0.050	0.018	1	A
Aroclor 1248	ND		ug/l	0.050	0.023	1	A
Aroclor 1254	ND		ug/l	0.050	0.008	1	A
Aroclor 1260	ND		ug/l	0.050	0.017	1	A
PCBs, Total	ND		ug/l	0.050	0.008	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		37-123	A
Decachlorobiphenyl	69		38-114	A
2,4,5,6-Tetrachloro-m-xylene	74		37-123	B
Decachlorobiphenyl	84		38-114	B

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM
Lab Number: L2458195
Project Number: 00913
Report Date: 10/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 127,608.3
Analytical Date: 10/14/24 20:54
Analyst: EMR

Extraction Method: EPA 608.3
Extraction Date: 10/13/24 23:24
Cleanup Method: EPA 3665A
Cleanup Date: 10/14/24
Cleanup Method: EPA 3660B
Cleanup Date: 10/14/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1983746-1						
Aroclor 1016	ND		ug/l	0.050	0.008	A
Aroclor 1221	ND		ug/l	0.050	0.011	A
Aroclor 1232	ND		ug/l	0.050	0.023	A
Aroclor 1242	ND		ug/l	0.050	0.018	A
Aroclor 1248	ND		ug/l	0.050	0.023	A
Aroclor 1254	ND		ug/l	0.050	0.008	A
Aroclor 1260	ND		ug/l	0.050	0.017	A
PCBs, Total	ND		ug/l	0.050	0.008	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		37-123	A
Decachlorobiphenyl	65		38-114	A
2,4,5,6-Tetrachloro-m-xylene	69		37-123	B
Decachlorobiphenyl	80		38-114	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM

Project Number: 00913

Lab Number: L2458195

Report Date: 10/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1983746-2									
Aroclor 1016	73		-		50-140	-		36	A
Aroclor 1260	69		-		8-140	-		38	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69				37-123	A
Decachlorobiphenyl	65				38-114	A
2,4,5,6-Tetrachloro-m-xylene	74				37-123	B
Decachlorobiphenyl	76				38-114	B

INORGANICS
&
MISCELLANEOUS

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM
Project Number: 00913
Lab Number: L2458195
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458195-01
Client ID: SP-001
Sample Location: NEW BABCOCK, BUFFALO, NEW YORK
Sample Depth:
Matrix: Water

Date Collected: 10/08/24 08:45
Date Received: 10/08/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
pH (H)	7.61		SU	-	NA	1	-	10/14/24 16:48	1,9040C	AAS

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM

Project Number: 00913

Lab Number: L2458195

Report Date: 10/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1984085-1								
pH	99		-		99-101	-		5

Lab Duplicate Analysis

Batch Quality Control

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM

Project Number: 00913

Lab Number: L2458195

Report Date: 10/15/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1984085-2 QC Sample: L2458195-01 Client ID: SP-001						
pH (H)	7.61	7.74	SU	2		5

Project Name: 2024 SEMI-ANNUAL BSA SAMPLE-NM
Project Number: 00913

Lab Number: L2458195
Report Date: 10/15/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2458195-01A	Vial Na2S2O3 preserved	A	NA		2.3	Y	Absent		624.1(3)
L2458195-01B	Vial Na2S2O3 preserved	A	NA		2.3	Y	Absent		624.1(3)
L2458195-01C	Vial Na2S2O3 preserved	A	NA		2.3	Y	Absent		624.1(3)
L2458195-01D	Plastic 120ml unpreserved	A	7	7	2.3	Y	Absent		PH-9040(1)
L2458195-01E	Amber 1000ml Na2S2O3	A	7	7	2.3	Y	Absent		625.1(7)
L2458195-01F	Amber 1000ml Na2S2O3	A	7	7	2.3	Y	Absent		625.1(7)
L2458195-01G	Amber 1000ml Na2S2O3	A	7	7	2.3	Y	Absent		625.1(7)
L2458195-01H	Amber 1000ml Na2S2O3	A	7	7	2.3	Y	Absent		NYPCB-608-2L(365)
L2458195-01I	Amber 1000ml Na2S2O3	A	7	7	2.3	Y	Absent		NYPCB-608-2L(365)
L2458195-01J	Amber 1000ml Na2S2O3	A	7	7	2.3	Y	Absent		NYPCB-608-2L(365)

*Values in parentheses indicate holding time in days

Project Name:	2024 SEMI-ANNUAL BSA SAMPLE-NM	**Lab Number:**	L2458195
Project Number:	00913	**Report Date:**	10/15/24

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2024 SEMI-ANNUAL BSA SAMPLE-NM	**Lab Number:**	L2458195
Project Number:	00913	**Report Date:**	10/15/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	2024 SEMI-ANNUAL BSA SAMPLE-NM	**Lab Number:**	L2458195
Project Number:	00913	**Report Date:**	10/15/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	2024 SEMI-ANNUAL BSA SAMPLE-NM	**Lab Number:**	L2458195
Project Number:	00913	**Report Date:**	10/15/24

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

127 Method 608.3: Organochlorine Pesticides and PCBs by GC/HSD, EPA 821-R-16-009, December 2016.

128 Method 624.1: Purgeables by GC/MS, EPA 821-R-16-008, December 2016.

129 Method 625.1: Base/Neutrals and Acids by GC/MS, EPA 821-R-16-007, December 2016.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

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

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

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

L2458195 150CT24
ENVADVANTAGE

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/09/24

Client Information

Client: Env. Advantage, Inc.
Address: 3636 N. Buffalo Rd.
Orchard Park, NY 14127
Phone: (716) 667-3130
Fax: (716) 667-3156
Email: mhanna@envadvantage.com

Project Information

Project Name: 2024 Semi-Annual BSA Sample - NML
Project Location: New Babcock, Buffalo, New York
Project # 00913
(Use Project name as Project #) ☐
Project Manager: Mark Hanna + Mary Szustak
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Billing Information

☒ Same as Client Info
PO # 00913

Regulatory Requirement

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

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

also email results to labresults@envadvantage.com

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYPCB-608-2L 625.1	624.1	PH						Total Bottle
58195-01	SP-001	10/8/24	8:45	WA	RH	X	X	X						10

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

Sample Specific Comments

Container Type	A	V	P					
Preservative	H	H	A					

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Ryley Hooker	10/8/24 13:35	PACK	10/8/24 1335
PACK	10/8/24 1658	BSC	10/8/24 1658
Russell B Bixby	10-8-24 1710		
	OKO		10/9/24 1:30

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

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

WASTEWATER MONITORING FIELD OBSERVATIONS

INITIAL INSTALLATION

Date: 04/02/2025
Location: Diamond Hurwitz Scrap, LLC, dba Niagara Metals Central, 766 New Babcock St. Buffalo, NY 14206
Sample point: SP001

Comments & Observations: *(describe any observations to system or sample port here that could be relevant)*

Collected meter readings. 1209563.4

SAMPLE 1

DATE: 04/02/2025 **TIME:** 12:00

WEATHER: 35 °F rainy

NOTES & COMMENTS
Sample point: SP001
Duration: Instant
Sample type: Grab

Parameters: pH Method 9040C, VOCs Method 624.1, SVOCs Method 625.1, Total PCBs Method 608.3.

PHYSICAL OBSERVATIONS
Collection time: 12:00
Sample volume: 7L
Field pH: Not Field Tested
Sample Temp.: Not Field Tested

Sample Description: *(Describe sample appearance – color, clarity, odor, etc)*

Clear, no odor

Sampler signature _____ Date: 04/02/2025

Scanned with CamScanner

ANALYTICAL REPORT

Lab Number:	L2519864
Client:	Matrix Environmental Technologies 3730 California Road Orchard Park, NY 14127
ATTN:	Mary Szustak
Phone:	(716) 662-0745
Project Name:	NIAGARA METALS SEMI-ANN BSA
Project Number:	20-003
Report Date:	04/09/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Project Name: NIAGARA METALS SEMI-ANN BSA
Project Number: 20-003

Lab Number: L2519864
Report Date: 04/09/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2519864-01	SP-001	WATER	766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	04/02/25 12:00	04/02/25
L2519864-02	TRIP BLANK	WATER	766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	04/02/25 00:00	04/02/25

Project Name:	NIAGARA METALS SEMI-ANN BSA	**Lab Number:**	L2519864
Project Number:	20-003	**Report Date:**	04/09/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	NIAGARA METALS SEMI-ANN BSA	**Lab Number:**	L2519864
Project Number:	20-003	**Report Date:**	04/09/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2519864-02: A sample identified as "TRIP BLANK" was received, but not listed on the chain of custody. At the client's request, this sample was not analyzed.

Volatile Organics by Method 624

The WG2050590-3 LCS recovery associated with L2519864-01 is above the acceptance criteria for tetrachloroethene (135%); however, the associated sample is non-detect to the reporting limit for this target analyte. The results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 04/09/25

ORGANICS

VOLATILES

Project Name: NIAGARA METALS SEMI-ANN BSA **Lab Number:** L2519864

Project Number: 20-003 **Report Date:** 04/09/25

SAMPLE RESULTS

Lab ID: L2519864-01 Date Collected: 04/02/25 12:00
Client ID: SP-001 Date Received: 04/02/25
Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 128,624.1
Analytical Date: 04/04/25 15:14
Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1

Project Name: NIAGARA METALS SEMI-ANN BSA **Lab Number:** L2519864

Project Number: 20-003 **Report Date:** 04/09/25

SAMPLE RESULTS

Lab ID: L2519864-01 Date Collected: 04/02/25 12:00

Client ID: SP-001 Date Received: 04/02/25

Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	ND		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	81		60-140
Fluorobenzene	69		60-140
4-Bromofluorobenzene	96		60-140

Project Name: NIAGARA METALS SEMI-ANN BSA **Lab Number:** L2519864

Project Number: 20-003 **Report Date:** 04/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
Analytical Date: 04/04/25 10:41
Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2050590-4					
Methylene chloride	ND		ug/l	1.0	0.56
1,1-Dichloroethane	ND		ug/l	1.5	0.40
Chloroform	ND		ug/l	1.0	0.38
Carbon tetrachloride	ND		ug/l	1.0	0.24
1,2-Dichloropropane	ND		ug/l	3.5	0.46
Dibromochloromethane	ND		ug/l	1.0	0.27
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.35
Tetrachloroethene	ND		ug/l	1.0	0.26
Chlorobenzene	ND		ug/l	3.5	0.30
Trichlorofluoromethane	ND		ug/l	5.0	0.28
1,2-Dichloroethane	ND		ug/l	1.5	0.47
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29
Bromodichloromethane	ND		ug/l	1.0	0.28
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34
Bromoform	ND		ug/l	1.0	0.22
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20
Benzene	ND		ug/l	1.0	0.38
Toluene	ND		ug/l	1.0	0.31
Ethylbenzene	ND		ug/l	1.0	0.28
Chloromethane	ND		ug/l	5.0	1.0
Bromomethane	ND		ug/l	5.0	1.2
Vinyl chloride	ND		ug/l	1.0	0.38
Chloroethane	ND		ug/l	2.0	0.37
1,1-Dichloroethene	ND		ug/l	1.0	0.31
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17
Trichloroethene	ND		ug/l	1.0	0.33

Project Name: NIAGARA METALS SEMI-ANN BSA **Lab Number:** L2519864

Project Number: 20-003 **Report Date:** 04/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
Analytical Date: 04/04/25 10:41
Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2050590-4					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Styrene	ND		ug/l	1.0	0.37
Acetone	ND		ug/l	10	2.4
Carbon disulfide	ND		ug/l	5.0	0.28
2-Butanone	ND		ug/l	10	1.0
Vinyl acetate	ND		ug/l	10	0.41
4-Methyl-2-pentanone	ND		ug/l	10	0.19
2-Hexanone	ND		ug/l	10	0.55
Acrolein	ND		ug/l	8.0	1.8
Acrylonitrile	ND		ug/l	10	0.33
Dibromomethane	ND		ug/l	1.0	0.23

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	88		60-140
Fluorobenzene	72		60-140
4-Bromofluorobenzene	90		60-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METALS SEMI-ANN BSA
Project Number: 20-003

Lab Number: L2519864
Report Date: 04/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2050590-3								
Methylene chloride	80		-		60-140	-		28
1,1-Dichloroethane	90		-		50-150	-		49
Chloroform	90		-		70-135	-		54
Carbon tetrachloride	105		-		70-130	-		41
1,2-Dichloropropane	85		-		35-165	-		55
Dibromochloromethane	110		-		70-135	-		50
1,1,2-Trichloroethane	105		-		70-130	-		45
2-Chloroethylvinyl ether	85		-		1-225	-		71
Tetrachloroethene	**135**	Q	-		70-130	-		39
Chlorobenzene	80		-		65-135	-		53
Trichlorofluoromethane	95		-		50-150	-		84
1,2-Dichloroethane	90		-		70-130	-		49
1,1,1-Trichloroethane	95		-		70-130	-		36
Bromodichloromethane	115		-		65-135	-		56
trans-1,3-Dichloropropene	85		-		50-150	-		86
cis-1,3-Dichloropropene	95		-		25-175	-		58
Bromoform	90		-		70-130	-		42
1,1,2,2-Tetrachloroethane	75		-		60-140	-		61
Benzene	80		-		65-135	-		61
Toluene	100		-		70-130	-		41
Ethylbenzene	85		-		60-140	-		63
Chloromethane	75		-		1-205	-		60
Bromomethane	65		-		15-185	-		61

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METALS SEMI-ANN BSA
Project Number: 20-003

Lab Number: L2519864
Report Date: 04/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2050590-3								
Vinyl chloride	80		-		5-195	-		66
Chloroethane	90		-		40-160	-		78
1,1-Dichloroethene	85		-		50-150	-		32
trans-1,2-Dichloroethene	85		-		70-130	-		45
cis-1,2-Dichloroethene	80		-		60-140	-		30
Trichloroethene	85		-		65-135	-		48
1,2-Dichlorobenzene	95		-		65-135	-		57
1,3-Dichlorobenzene	85		-		70-130	-		43
1,4-Dichlorobenzene	90		-		65-135	-		57
p/m-Xylene	88		-		60-140	-		30
o-xylene	80		-		60-140	-		30
Styrene	80		-		60-140	-		30
Acetone	52		-		40-160	-		30
Carbon disulfide	75		-		60-140	-		30
2-Butanone	80		-		60-140	-		30
Vinyl acetate	85		-		60-140	-		30
4-Methyl-2-pentanone	98		-		60-140	-		30
2-Hexanone	100		-		60-140	-		30
Acrolein	90		-		60-140	-		30
Acrylonitrile	85		-		60-140	-		60
Dibromomethane	80		-		70-130	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METALS SEMI-ANN BSA
Project Number: 20-003

Lab Number: L2519864
Report Date: 04/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2050590-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	92				60-140
Fluorobenzene	79				60-140
4-Bromofluorobenzene	87				60-140

SEMIVOLATILES

Project Name: NIAGARA METALS SEMI-ANN BSA **Lab Number:** L2519864

Project Number: 20-003 **Report Date:** 04/09/25

SAMPLE RESULTS

Lab ID: L2519864-01
Client ID: SP-001
Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO

Date Collected: 04/02/25 12:00
Date Received: 04/02/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 129,625.1
Analytical Date: 04/06/25 18:35
Analyst: SMZ

Extraction Method: EPA 625.1
Extraction Date: 04/04/25 20:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.00	0.407	1
Benzidine[1]	ND		ug/l	20.0	12.1	1
1,2,4-Trichlorobenzene	ND		ug/l	5.00	1.49	1
Hexachlorobenzene	ND		ug/l	2.00	0.952	1
Bis(2-chloroethyl)ether	ND		ug/l	2.00	0.600	1
2-Chloronaphthalene	ND		ug/l	2.00	0.319	1
3,3'-Dichlorobenzidine	ND		ug/l	5.00	0.457	1
2,4-Dinitrotoluene	ND		ug/l	5.00	0.636	1
2,6-Dinitrotoluene	ND		ug/l	5.00	0.631	1
Azobenzene[1]	ND		ug/l	2.00	0.889	1
Fluoranthene	ND		ug/l	2.00	0.736	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.00	0.371	1
4-Bromophenyl phenyl ether	ND		ug/l	2.00	0.447	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.00	0.822	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.00	0.585	1
Hexachlorobutadiene	ND		ug/l	2.00	0.921	1
Hexachlorocyclopentadiene[1]	ND		ug/l	10.0	1.36	1
Hexachloroethane	ND		ug/l	2.00	0.973	1
Isophorone	ND		ug/l	5.00	0.546	1
Naphthalene	ND		ug/l	2.00	0.896	1
Nitrobenzene	ND		ug/l	2.00	0.788	1
NDPA/DPA[1]	ND		ug/l	2.00	0.783	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.00	0.630	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	2.20	1.70	1
Butyl benzyl phthalate	ND		ug/l	5.00	0.670	1
Di-n-butylphthalate	ND		ug/l	5.00	0.631	1
Di-n-octylphthalate	ND		ug/l	5.00	0.633	1
Diethyl phthalate	ND		ug/l	5.00	0.717	1

Project Name: NIAGARA METALS SEMI-ANN BSA **Lab Number:** L2519864

Project Number: 20-003 **Report Date:** 04/09/25

SAMPLE RESULTS

Lab ID: L2519864-01 Date Collected: 04/02/25 12:00

Client ID: SP-001 Date Received: 04/02/25

Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dimethyl phthalate	ND		ug/l	5.00	1.40	1
Benzo(a)anthracene	ND		ug/l	2.00	0.665	1
Benzo(a)pyrene	ND		ug/l	2.00	0.610	1
Benzo(b)fluoranthene	ND		ug/l	2.00	0.741	1
Benzo(k)fluoranthene	ND		ug/l	2.00	0.739	1
Chrysene	ND		ug/l	2.00	0.668	1
Acenaphthylene	ND		ug/l	2.00	0.930	1
Anthracene	ND		ug/l	2.00	0.791	1
Benzo(ghi)perylene	ND		ug/l	2.00	0.672	1
Fluorene	ND		ug/l	2.00	0.927	1
Phenanthrene	ND		ug/l	2.00	0.818	1
Dibenzo(a,h)anthracene	ND		ug/l	2.00	0.687	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.00	0.633	1
Pyrene	ND		ug/l	2.00	0.728	1
4-Chloroaniline[1]	ND		ug/l	5.00	0.790	1
Dibenzofuran[1]	ND		ug/l	2.00	0.373	1
2-Methylnaphthalene[1]	ND		ug/l	2.00	0.351	1
n-Nitrosodimethylamine[1]	ND		ug/l	2.00	0.407	1
2,4,6-Trichlorophenol	ND		ug/l	5.00	0.607	1
p-Chloro-m-cresol	ND		ug/l	2.00	0.533	1
2-Chlorophenol	ND		ug/l	2.00	0.513	1
2,4-Dichlorophenol	ND		ug/l	5.00	0.554	1
2,4-Dimethylphenol	ND		ug/l	5.00	0.851	1
2-Nitrophenol	ND		ug/l	5.00	0.604	1
4-Nitrophenol	ND		ug/l	10.0	0.834	1
2,4-Dinitrophenol	ND		ug/l	20.0	1.21	1
4,6-Dinitro-o-cresol	ND		ug/l	10.0	1.20	1
Pentachlorophenol	ND		ug/l	5.00	0.622	1
Phenol	ND		ug/l	5.00	0.262	1
2-Methylphenol[1]	ND		ug/l	5.00	0.773	1
3-Methylphenol/4-Methylphenol[1]	ND		ug/l	5.00	0.511	1
2,4,5-Trichlorophenol[1]	ND		ug/l	5.00	0.637	1
Benzoic Acid[1]	ND		ug/l	50.0	1.17	1
Benzyl Alcohol[1]	ND		ug/l	2.00	0.490	1

Project Name: NIAGARA METALS SEMI-ANN BSA **Lab Number:** L2519864

Project Number: 20-003 **Report Date:** 04/09/25

SAMPLE RESULTS

Lab ID: L2519864-01 Date Collected: 04/02/25 12:00

Client ID: SP-001 Date Received: 04/02/25

Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		25-87
Phenol-d6	23		16-65
Nitrobenzene-d5	55		42-122
2-Fluorobiphenyl	61		46-121
2,4,6-Tribromophenol	51		45-128
4-Terphenyl-d14	57		47-138

Project Name: NIAGARA METALS SEMI-ANN BSA **Lab Number:** L2519864

Project Number: 20-003 **Report Date:** 04/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 129,625.1
Analytical Date: 04/05/25 15:46
Analyst: CMM

Extraction Method: EPA 625.1
Extraction Date: 04/04/25 16:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2049754-1					
Acenaphthene	ND		ug/l	2.00	0.407
Benzidine[1]	ND		ug/l	20.0	12.1
1,2,4-Trichlorobenzene	ND		ug/l	5.00	1.49
Hexachlorobenzene	ND		ug/l	2.00	0.952
Bis(2-chloroethyl)ether	ND		ug/l	2.00	0.600
2-Chloronaphthalene	ND		ug/l	2.00	0.319
3,3'-Dichlorobenzidine	ND		ug/l	5.00	0.457
2,4-Dinitrotoluene	ND		ug/l	5.00	0.636
2,6-Dinitrotoluene	ND		ug/l	5.00	0.631
Azobenzene[1]	ND		ug/l	2.00	0.889
Fluoranthene	ND		ug/l	2.00	0.736
4-Chlorophenyl phenyl ether	ND		ug/l	2.00	0.371
4-Bromophenyl phenyl ether	ND		ug/l	2.00	0.447
Bis(2-chloroisopropyl)ether	ND		ug/l	2.00	0.822
Bis(2-chloroethoxy)methane	ND		ug/l	5.00	0.585
Hexachlorobutadiene	ND		ug/l	2.00	0.921
Hexachlorocyclopentadiene[1]	ND		ug/l	10.0	1.36
Hexachloroethane	ND		ug/l	2.00	0.973
Isophorone	ND		ug/l	5.00	0.546
Naphthalene	ND		ug/l	2.00	0.896
Nitrobenzene	ND		ug/l	2.00	0.788
NDPA/DPA[1]	ND		ug/l	2.00	0.783
n-Nitrosodi-n-propylamine	ND		ug/l	5.00	0.630
Bis(2-ethylhexyl)phthalate	ND		ug/l	2.20	1.70
Butyl benzyl phthalate	ND		ug/l	5.00	0.670
Di-n-butylphthalate	ND		ug/l	5.00	0.631
Di-n-octylphthalate	ND		ug/l	5.00	0.633
Diethyl phthalate	ND		ug/l	5.00	0.717
Dimethyl phthalate	ND		ug/l	5.00	1.40

Project Name: NIAGARA METALS SEMI-ANN BSA **Lab Number:** L2519864

Project Number: 20-003 **Report Date:** 04/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 129,625.1
Analytical Date: 04/05/25 15:46
Analyst: CMM

Extraction Method: EPA 625.1
Extraction Date: 04/04/25 16:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2049754-1					
Benzo(a)anthracene	ND		ug/l	2.00	0.665
Benzo(a)pyrene	ND		ug/l	2.00	0.610
Benzo(b)fluoranthene	ND		ug/l	2.00	0.741
Benzo(k)fluoranthene	ND		ug/l	2.00	0.739
Chrysene	ND		ug/l	2.00	0.668
Acenaphthylene	ND		ug/l	2.00	0.930
Anthracene	ND		ug/l	2.00	0.791
Benzo(ghi)perylene	ND		ug/l	2.00	0.672
Fluorene	ND		ug/l	2.00	0.927
Phenanthrene	ND		ug/l	2.00	0.818
Dibenzo(a,h)anthracene	ND		ug/l	2.00	0.687
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.00	0.633
Pyrene	ND		ug/l	2.00	0.728
4-Chloroaniline[1]	ND		ug/l	5.00	0.790
Dibenzofuran[1]	ND		ug/l	2.00	0.373
2-Methylnaphthalene[1]	ND		ug/l	2.00	0.351
n-Nitrosodimethylamine[1]	ND		ug/l	2.00	0.407
2,4,6-Trichlorophenol	ND		ug/l	5.00	0.607
p-Chloro-m-cresol	ND		ug/l	2.00	0.533
2-Chlorophenol	ND		ug/l	2.00	0.513
2,4-Dichlorophenol	ND		ug/l	5.00	0.554
2,4-Dimethylphenol	ND		ug/l	5.00	0.851
2-Nitrophenol	ND		ug/l	5.00	0.604
4-Nitrophenol	ND		ug/l	10.0	0.834
2,4-Dinitrophenol	ND		ug/l	20.0	1.21
4,6-Dinitro-o-cresol	ND		ug/l	10.0	1.20
Pentachlorophenol	ND		ug/l	5.00	0.622
Phenol	ND		ug/l	5.00	0.262
2-Methylphenol[1]	ND		ug/l	5.00	0.773

Project Name: NIAGARA METALS SEMI-ANN BSA **Lab Number:** L2519864

Project Number: 20-003 **Report Date:** 04/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 129,625.1
Analytical Date: 04/05/25 15:46
Analyst: CMM

Extraction Method: EPA 625.1
Extraction Date: 04/04/25 16:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2049754-1					
3-Methylphenol/4-Methylphenol[1]	ND		ug/l	5.00	0.511
2,4,5-Trichlorophenol[1]	ND		ug/l	5.00	0.637
Benzoic Acid[1]	ND		ug/l	50.0	1.17
Benzyl Alcohol[1]	ND		ug/l	2.00	0.490

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-87
Phenol-d6	38		16-65
Nitrobenzene-d5	93		42-122
2-Fluorobiphenyl	77		46-121
2,4,6-Tribromophenol	92		45-128
4-Terphenyl-d14	87		47-138

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METALS SEMI-ANN BSA
Project Number: 20-003

Lab Number: L2519864
Report Date: 04/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2049754-2								
Acenaphthene	84		-		47-145	-		48
1,2,4-Trichlorobenzene	86		-		44-142	-		50
Hexachlorobenzene	76		-		1-152	-		55
Bis(2-chloroethyl)ether	81		-		12-158	-		108
2-Chloronaphthalene	85		-		60-120	-		24
3,3'-Dichlorobenzidine	31		-		1-262	-		108
2,4-Dinitrotoluene	105		-		39-139	-		42
2,6-Dinitrotoluene	100		-		50-158	-		48
Azobenzene[1]	81		-		44-115	-		23
Fluoranthene	90		-		26-137	-		66
4-Chlorophenyl phenyl ether	87		-		25-158	-		61
4-Bromophenyl phenyl ether	83		-		53-127	-		43
Bis(2-chloroisopropyl)ether	94		-		36-166	-		76
Bis(2-chloroethoxy)methane	84		-		33-184	-		54
Hexachlorobutadiene	82		-		24-120	-		62
Hexachlorocyclopentadiene[1]	92		-		7-118	-		35
Hexachloroethane	75		-		40-120	-		52
Isophorone	78		-		21-196	-		93
Naphthalene	78		-		21-133	-		65
Nitrobenzene	80		-		35-180	-		62
NDPA/DPA[1]	90		-		45-112	-		36
n-Nitrosodi-n-propylamine	76		-		1-230	-		87
Bis(2-ethylhexyl)phthalate	105		-		8-158	-		82

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METALS SEMI-ANN BSA
Project Number: 20-003

Lab Number: L2519864
Report Date: 04/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2049754-2								
Butyl benzyl phthalate	108		-		1-140	-		60
Di-n-butylphthalate	94		-		1-120	-		47
Di-n-octylphthalate	102		-		19-132	-		69
Diethyl phthalate	91		-		1-120	-		100
Dimethyl phthalate	93		-		1-120	-		183
Benzo(a)anthracene	90		-		33-143	-		53
Benzo(a)pyrene	86		-		17-163	-		72
Benzo(b)fluoranthene	86		-		24-159	-		71
Benzo(k)fluoranthene	80		-		11-162	-		63
Chrysene	85		-		17-168	-		87
Acenaphthylene	98		-		33-145	-		74
Anthracene	86		-		27-133	-		66
Benzo(ghi)perylene	93		-		1-219	-		97
Fluorene	90		-		59-121	-		38
Phenanthrene	84		-		54-120	-		39
Dibenzo(a,h)anthracene	91		-		1-227	-		126
Indeno(1,2,3-cd)pyrene	92		-		1-171	-		99
Pyrene	89		-		52-120	-		49
4-Chloroaniline[1]	64		-		10-100	-		53
Dibenzofuran[1]	88		-		23-126	-		22
2-Methylnaphthalene[1]	78		-		40-109	-		18
n-Nitrosodimethylamine[1]	46		-		15-68	-		17
2,4,6-Trichlorophenol	94		-		37-144	-		58

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METALS SEMI-ANN BSA
Project Number: 20-003
Lab Number: L2519864
Report Date: 04/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2049754-2								
p-Chloro-m-cresol	89		-		68-130	-		73
2-Chlorophenol	81		-		23-124	-		61
2,4-Dichlorophenol	91		-		39-135	-		50
2,4-Dimethylphenol	76		-		32-120	-		58
2-Nitrophenol	104		-		29-182	-		55
4-Nitrophenol	72		-		1-132	-		131
2,4-Dinitrophenol	113		-		1-191	-		132
4,6-Dinitro-o-cresol	115		-		56-130	-		203
Pentachlorophenol	84		-		14-176	-		86
Phenol	40		-		5-120	-		64
2-Methylphenol[1]	72		-		38-102	-		23
3-Methylphenol/4-Methylphenol[1]	75		-		35-103	-		26
2,4,5-Trichlorophenol[1]	103		-		47-126	-		28
Benzoic Acid[1]	7		-		2-55	-		27
Benzyl Alcohol[1]	66		-		31-103	-		23

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56				25-87
Phenol-d6	38				16-65
Nitrobenzene-d5	79				42-122
2-Fluorobiphenyl	91				46-121
2,4,6-Tribromophenol	71				45-128
4-Terphenyl-d14	82				47-138

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METALS SEMI-ANN BSA
Project Number: 20-003

Lab Number: L2519864
Report Date: 04/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2049754-3								
Benzidine[1]	3		-		0-70	-		30

PCBS

Project Name: NIAGARA METALS SEMI-ANN BSA **Lab Number:** L2519864

Project Number: 20-003 **Report Date:** 04/09/25

SAMPLE RESULTS

Lab ID: L2519864-01
Client ID: SP-001
Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO

Date Collected: 04/02/25 12:00
Date Received: 04/02/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 04/06/25 13:11
Analyst: RMP

Extraction Method: EPA 608.3
Extraction Date: 04/06/25 00:40
Cleanup Method: EPA 3665A
Cleanup Date: 04/06/25
Cleanup Method: EPA 3660B
Cleanup Date: 04/06/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	0.013	1	A
Aroclor 1221	ND		ug/l	0.050	0.015	1	A
Aroclor 1232	ND		ug/l	0.050	0.015	1	A
Aroclor 1242	ND		ug/l	0.050	0.015	1	A
Aroclor 1248	ND		ug/l	0.050	0.015	1	A
Aroclor 1254	ND		ug/l	0.050	0.015	1	A
Aroclor 1260	ND		ug/l	0.050	0.015	1	A
PCBs, Total	ND		ug/l	0.050	0.013	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		37-123	B
Decachlorobiphenyl	87		38-114	B
2,4,5,6-Tetrachloro-m-xylene	78		37-123	A
Decachlorobiphenyl	85		38-114	A

Project Name: NIAGARA METALS SEMI-ANN BSA
Project Number: 20-003
Lab Number: L2519864
Report Date: 04/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 127,608.3
Analytical Date: 04/06/25 12:27
Analyst: RMP

Extraction Method: EPA 608.3
Extraction Date: 04/06/25 00:40
Cleanup Method: EPA 3665A
Cleanup Date: 04/06/25
Cleanup Method: EPA 3660B
Cleanup Date: 04/06/25

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG2050036-1						
Aroclor 1016	ND		ug/l	0.050	0.013	A
Aroclor 1221	ND		ug/l	0.050	0.015	A
Aroclor 1232	ND		ug/l	0.050	0.015	A
Aroclor 1242	ND		ug/l	0.050	0.015	A
Aroclor 1248	ND		ug/l	0.050	0.015	A
Aroclor 1254	ND		ug/l	0.050	0.015	A
Aroclor 1260	ND		ug/l	0.050	0.015	A
PCBs, Total	ND		ug/l	0.050	0.013	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		37-123	B
Decachlorobiphenyl	59		38-114	B
2,4,5,6-Tetrachloro-m-xylene	72		37-123	A
Decachlorobiphenyl	58		38-114	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METALS SEMI-ANN BSA
Project Number: 20-003
Lab Number: L2519864
Report Date: 04/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG2050036-2									
Aroclor 1016	68		-		50-140	-		36	A
Aroclor 1260	71		-		8-140	-		38	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57				37-123	B
Decachlorobiphenyl	55				38-114	B
2,4,5,6-Tetrachloro-m-xylene	59				37-123	A
Decachlorobiphenyl	53				38-114	A

INORGANICS
&
MISCELLANEOUS

Project Name: NIAGARA METALS SEMI-ANN BSA
Project Number: 20-003
Lab Number: L2519864
Report Date: 04/09/25

SAMPLE RESULTS

Lab ID: L2519864-01
Client ID: SP-001
Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO
Sample Depth:
Matrix: Water

Date Collected: 04/02/25 12:00
Date Received: 04/02/25
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
pH (H)	7.83		SU	-	NA	1	-	04/03/25 13:36	121,4500H+-B	DMO

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METALS SEMI-ANN BSA
Project Number: 20-003

Lab Number: L2519864
Report Date: 04/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG2049153-1								
pH	100		-		99-101	-		5

Lab Duplicate Analysis

Batch Quality Control

Project Name: NIAGARA METALS SEMI-ANN BSA

Project Number: 20-003

Lab Number: L2519864

Report Date: 04/09/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2049153-2 QC Sample: L2519634-01 Client ID: DUP Sample						
pH	11.2	11.3	SU	1		5

Project Name: NIAGARA METALS SEMI-ANN BSA
Project Number: 20-003

Lab Number: L2519864
Report Date: 04/09/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2519864-01A	Vial Na2S2O3 preserved	A	NA		3.7	Y	Absent		624.1(3)
L2519864-01B	Vial Na2S2O3 preserved	A	NA		3.7	Y	Absent		624.1(3)
L2519864-01C	Vial Na2S2O3 preserved	A	NA		3.7	Y	Absent		624.1(3)
L2519864-01D	Plastic 120ml unpreserved	A	7	7	3.7	Y	Absent		PH-4500(.01)
L2519864-01E	Amber 100ml Na2S2O3 preserved	A	7	7	3.7	Y	Absent		NYPCB-608.3-RVT(365)
L2519864-01F	Amber 100ml Na2S2O3 preserved	A	7	7	3.7	Y	Absent		NYPCB-608.3-RVT(365)
L2519864-01G	Amber 1L Na2S2O3	A	7	7	3.7	Y	Absent		625.1(7)
L2519864-01H	Amber 1L Na2S2O3	A	7	7	3.7	Y	Absent		625.1(7)
L2519864-02A	Vial Na2S2O3 preserved	A	NA	NA	3.7	Y	Absent		ARCHIVE()
L2519864-02B	Vial Na2S2O3 preserved	A	NA	NA	3.7	Y	Absent		ARCHIVE()

*Values in parentheses indicate holding time in days

Project Name:	NIAGARA METALS SEMI-ANN BSA	**Lab Number:**	L2519864
Project Number:	20-003	**Report Date:**	04/09/25

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	NIAGARA METALS SEMI-ANN BSA	**Lab Number:**	L2519864
Project Number:	20-003	**Report Date:**	04/09/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	NIAGARA METALS SEMI-ANN BSA	**Lab Number:**	L2519864
Project Number:	20-003	**Report Date:**	04/09/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: NIAGARA METALS SEMI-ANN BSA **Lab Number:** L2519864

Project Number: 20-003 **Report Date:** 04/09/25

REFERENCES

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

127 Method 608.3: Organochlorine Pesticides and PCBs by GC/HSD, EPA 821-R-16-009, December 2016.

128 Method 624.1: Purgeables by GC/MS, EPA 821-R-16-008, December 2016.

129 Method 625.1: Base/Neutrals and Acids by GC/MS, EPA 821-R-16-007, December 2016.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 4/3/25

ALPHA Job #: L2519864

Client Information

Client: Matrix Environmental Tech
Address: 3730 California Road
Orchard Park, NY 14127
Phone: 716-662-0745
Fax:
Email: mszustak@matrixbiotech.com

Project Information

Project Name: Niagara MetalsSemi-Annual BSA Sampling
Project Location: 766 New Babcock St. & 50 Hannah St., Buffalo
Project #: 20-003
(Use Project name as Project #) ☑
Project Manager: M. Deyo
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

☐ Same as Client Info
PO # 20-003

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☑

Other project specific requirements/comments:
Please CC results to ccurtis@matrixbiotech.com

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	624.1 VOCs	625.1 SVOCs	608 PCBs	pH	Total Bottle	Sample Specific Comments
19864-1	SP-001	4/2/25	12:00	WA	NSA	X	X	X	X	10	

Container Type	V	A	A	P
Preservative	H	H	H	A

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
		Matthew Pace	4/2/25 1545
Matthew Pace	4/2/25 1627	BUFFALO SC	4-2-25/16:27
Russell B Berg	4-2-25/16:28 0138	C	4/3 0130

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

APPENDIX F

Mid-Carbon Sampling Laboratory Analytical Data Reports

ANALYTICAL REPORT

Lab Number:	L2471659
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	NML IN BETWEEN CARBON SAMPLING
Project Number:	00913
Report Date:	12/12/24

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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

Project Name: NML IN BETWEEN CARBON SAMPLING
Project Number: 00913

Lab Number: L2471659
Report Date: 12/12/24

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2471659-01	IN BETWEEN CARBON (120424)	WATER	NML NEW BABCOCK BUFFALO	12/04/24 09:20	12/06/24

Project Name:	NML IN BETWEEN CARBON SAMPLING	**Lab Number:**	L2471659
Project Number:	00913	**Report Date:**	12/12/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	NML IN BETWEEN CARBON SAMPLING	**Lab Number:**	L2471659
Project Number:	00913	**Report Date:**	12/12/24

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly O'Neill

Title: Technical Director/Representative Date: 12/12/24

ORGANICS

VOLATILES

Project Name: NML IN BETWEEN CARBON SAMPLING **Lab Number:** L2471659

Project Number: 00913 **Report Date:** 12/12/24

SAMPLE RESULTS

Lab ID: L2471659-01
Client ID: IN BETWEEN CARBON (120424)
Sample Location: NML NEW BABCOCK BUFFALO

Date Collected: 12/04/24 09:20
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/11/24 22:01
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NML IN BETWEEN CARBON SAMPLING **Lab Number:** L2471659

Project Number: 00913 **Report Date:** 12/12/24

SAMPLE RESULTS

Lab ID: L2471659-01 Date Collected: 12/04/24 09:20

Client ID: IN BETWEEN CARBON (120424) Date Received: 12/06/24

Sample Location: NML NEW BABCOCK BUFFALO Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: NML IN BETWEEN CARBON SAMPLING **Lab Number:** L2471659

Project Number: 00913 **Report Date:** 12/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/11/24 20:24
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2008437-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: NML IN BETWEEN CARBON SAMPLING **Lab Number:** L2471659

Project Number: 00913 **Report Date:** 12/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/11/24 20:24
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2008437-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: NML IN BETWEEN CARBON SAMPLING **Lab Number:** L2471659

Project Number: 00913 **Report Date:** 12/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/11/24 20:24
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2008437-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NML IN BETWEEN CARBON SAMPLING
Project Number: 00913

Lab Number: L2471659
Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2008437-3 WG2008437-4								
Methylene chloride	89		89		70-130	0		20
1,1-Dichloroethane	98		100		70-130	2		20
Chloroform	86		92		70-130	7		20
Carbon tetrachloride	89		92		63-132	3		20
1,2-Dichloropropane	100		98		70-130	2		20
Dibromochloromethane	83		83		63-130	0		20
1,1,2-Trichloroethane	93		98		70-130	5		20
Tetrachloroethene	89		88		70-130	1		20
Chlorobenzene	88		88		75-130	0		20
Trichlorofluoromethane	94		99		62-150	5		20
1,2-Dichloroethane	94		97		70-130	3		20
1,1,1-Trichloroethane	89		89		67-130	0		20
Bromodichloromethane	90		90		67-130	0		20
trans-1,3-Dichloropropene	94		92		70-130	2		20
cis-1,3-Dichloropropene	90		88		70-130	2		20
Bromoform	75		79		54-136	5		20
1,1,2,2-Tetrachloroethane	88		90		67-130	2		20
Benzene	94		93		70-130	1		20
Toluene	93		92		70-130	1		20
Ethylbenzene	92		90		70-130	2		20
Chloromethane	92		89		64-130	3		20
Bromomethane	66		62		39-139	6		20
Vinyl chloride	100		100		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NML IN BETWEEN CARBON SAMPLING
Project Number: 00913

Lab Number: L2471659
Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2008437-3 WG2008437-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	96		94		61-145	2		20
trans-1,2-Dichloroethene	91		87		70-130	4		20
Trichloroethene	93		91		70-130	2		20
1,2-Dichlorobenzene	86		85		70-130	1		20
1,3-Dichlorobenzene	88		88		70-130	0		20
1,4-Dichlorobenzene	88		87		70-130	1		20
Methyl tert butyl ether	82		83		63-130	1		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		85		70-130	6		20
cis-1,2-Dichloroethene	94		86		70-130	9		20
Styrene	90		85		70-130	6		20
Dichlorodifluoromethane	78		78		36-147	0		20
Acetone	91		94		58-148	3		20
Carbon disulfide	96		95		51-130	1		20
2-Butanone	110		110		63-138	0		20
4-Methyl-2-pentanone	85		82		59-130	4		20
2-Hexanone	73		84		57-130	14		20
Bromochloromethane	86		86		70-130	0		20
1,2-Dibromoethane	83		85		70-130	2		20
1,2-Dibromo-3-chloropropane	77		78		41-144	1		20
Isopropylbenzene	90		88		70-130	2		20
1,2,3-Trichlorobenzene	76		75		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NML IN BETWEEN CARBON SAMPLING
Project Number: 00913
Lab Number: L2471659
Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2008437-3 WG2008437-4								
1,2,4-Trichlorobenzene	78		77		70-130	1		20
Methyl Acetate	94		100		70-130	6		20
Cyclohexane	100		99		70-130	1		20
1,4-Dioxane	98		106		56-162	8		20
Freon-113	95		97		70-130	2		20
Methyl cyclohexane	91		92		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	118		110		70-130
Toluene-d8	106		105		70-130
4-Bromofluorobenzene	102		103		70-130
Dibromofluoromethane	99		105		70-130

Project Name: NML IN BETWEEN CARBON SAMPLING
Project Number: 00913

Lab Number: L2471659
Report Date: 12/12/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2471659-01A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471659-01B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471659-01C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	NML IN BETWEEN CARBON SAMPLING	**Lab Number:**	L2471659
Project Number:	00913	**Report Date:**	12/12/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	NML IN BETWEEN CARBON SAMPLING	**Lab Number:**	L2471659
Project Number:	00913	**Report Date:**	12/12/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	NML IN BETWEEN CARBON SAMPLING	**Lab Number:**	L2471659
Project Number:	00913	**Report Date:**	12/12/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: NML IN BETWEEN CARBON SAMPLING **Lab Number:** L2471659

Project Number: 00913 **Report Date:** 12/12/24

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Project Manager.

Serial_No:12122419:23

L2471659 13DEC24

ENVADVANTAGE

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 12/7/24

Client Information

Client: Env. Advantage, Inc.
Address: 36360 N. Buffalo Rd
Orchard Park, NY 14127
Phone: (716) 667-3130
Fax: (716) 667-3156
Email: mhanna@envadvantage.com

Project Information

Project Name: NML In between Carbon Sampling (Dec2024)
Project Location: NML New Babcock Buffalo
Project # 00913
(Use Project name as Project #) ☐
Project Manager: Mark Hanna + Mary Szustak
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO # 00913

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please also email results to labresults@envadvantage.com

Please specify Metals or TAL.

ANALYSIS

TCL VOCs 8260

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

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments	Total Bottle
71659-01	In Between Carbon (120424)	12/04/24	9:20	WW	CS		3

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

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

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

Container Type: V
Preservative: B

Relinquished By:	Date/Time	Received By:	Date/Time
Calli Snyder	12/6/24 15:00	Romeo Mackpace	12-6-24 1500
Romeo Mackpace	12-6-24 1550	Buffalo Service Center	12-6-24 1550
			12/07/24-02

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

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

ANALYTICAL REPORT

Lab Number:	L2544886
Client:	Matrix Environmental Technologies 3730 California Road Orchard Park, NY 14127
ATTN:	Mary Szustak
Phone:	(716) 662-0745
Project Name:	NIAGARA METALS JUL 2025 IN-BET
Project Number:	20-003
Report Date:	07/31/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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

Project Name: NIAGARA METALS JUL 2025 IN-BET
Project Number: 20-003

Lab Number: L2544886
Report Date: 07/31/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2544886-01	IN-BETWEEN CARBON (071725)	WATER	766 NEW BABCOCK ST. & 50 HANNAH ST., BUFFALO	07/17/25 13:20	07/17/25

Project Name:	NIAGARA METALS JUL 2025 IN-BET	**Lab Number:**	L2544886
Project Number:	20-003	**Report Date:**	07/31/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	NIAGARA METALS JUL 2025 IN-BET	**Lab Number:**	L2544886
Project Number:	20-003	**Report Date:**	07/31/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 07/31/25

ORGANICS

VOLATILES

Project Name: NIAGARA METALS JUL 2025 IN-BET **Lab Number:** L2544886

Project Number: 20-003 **Report Date:** 07/31/25

SAMPLE RESULTS

Lab ID: L2544886-01
Client ID: IN-BETWEEN CARBON (071725)
Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST., BUFFALO

Date Collected: 07/17/25 13:20
Date Received: 07/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 07/28/25 14:45
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	1.4	J	ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NIAGARA METALS JUL 2025 IN-BET **Lab Number:** L2544886

Project Number: 20-003 **Report Date:** 07/31/25

SAMPLE RESULTS

Lab ID: L2544886-01 Date Collected: 07/17/25 13:20

Client ID: IN-BETWEEN CARBON (071725) Date Received: 07/17/25

Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST., BUFFALO Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.0	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	119		70-130

Project Name: NIAGARA METALS JUL 2025 IN-BET **Lab Number:** L2544886

Project Number: 20-003 **Report Date:** 07/31/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/28/25 08:33
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2095890-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: NIAGARA METALS JUL 2025 IN-BET **Lab Number:** L2544886

Project Number: 20-003 **Report Date:** 07/31/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/28/25 08:33
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2095890-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: NIAGARA METALS JUL 2025 IN-BET
Project Number: 20-003
Lab Number: L2544886
Report Date: 07/31/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/28/25 08:33
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2095890-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	113		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METALS JUL 2025 IN-BET
Project Number: 20-003

Lab Number: L2544886
Report Date: 07/31/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2095890-3 WG2095890-4								
Methylene chloride	110		99		70-130	11		20
1,1-Dichloroethane	110		99		70-130	11		20
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	110		100		63-132	10		20
1,2-Dichloropropane	99		94		70-130	5		20
Dibromochloromethane	90		86		63-130	5		20
1,1,2-Trichloroethane	84		81		70-130	4		20
Tetrachloroethene	100		93		70-130	7		20
Chlorobenzene	100		97		75-130	3		20
Trichlorofluoromethane	130		120		62-150	8		20
1,2-Dichloroethane	100		99		70-130	1		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	94		93		67-130	1		20
trans-1,3-Dichloropropene	82		78		70-130	5		20
cis-1,3-Dichloropropene	89		82		70-130	8		20
Bromoform	84		79		54-136	6		20
1,1,2,2-Tetrachloroethane	86		82		67-130	5		20
Benzene	100		93		70-130	7		20
Toluene	100		94		70-130	6		20
Ethylbenzene	100		96		70-130	4		20
Chloromethane	110		96		64-130	14		20
Bromomethane	120		95		39-139	**23**	Q	20
Vinyl chloride	100		86		55-140	15		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METALS JUL 2025 IN-BET
Project Number: 20-003

Lab Number: L2544886
Report Date: 07/31/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2095890-3 WG2095890-4								
Chloroethane	100		85		55-138	16		20
1,1-Dichloroethene	110		98		61-145	12		20
trans-1,2-Dichloroethene	110		98		70-130	12		20
Trichloroethene	97		91		70-130	6		20
1,2-Dichlorobenzene	110		99		70-130	11		20
1,3-Dichlorobenzene	110		99		70-130	11		20
1,4-Dichlorobenzene	110		99		70-130	11		20
Methyl tert butyl ether	82		80		63-130	2		20
p/m-Xylene	105		95		70-130	10		20
o-Xylene	100		90		70-130	11		20
cis-1,2-Dichloroethene	110		99		70-130	11		20
Styrene	100		90		70-130	11		20
Dichlorodifluoromethane	120		98		36-147	20		20
Acetone	100		85		58-148	16		20
Carbon disulfide	120		100		51-130	18		20
2-Butanone	91		77		63-138	17		20
4-Methyl-2-pentanone	**57**	Q	60		59-130	5		20
2-Hexanone	62		64		57-130	3		20
Bromochloromethane	110		100		70-130	10		20
1,2-Dibromoethane	92		86		70-130	7		20
1,2-Dibromo-3-chloropropane	72		75		41-144	4		20
Isopropylbenzene	110		97		70-130	13		20
1,2,3-Trichlorobenzene	99		96		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METALS JUL 2025 IN-BET
Project Number: 20-003

Lab Number: L2544886
Report Date: 07/31/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2095890-3 WG2095890-4								
1,2,4-Trichlorobenzene	99		94		70-130	5		20
Methyl Acetate	100		93		70-130	7		20
Cyclohexane	100		92		70-130	8		20
1,4-Dioxane	64		62		56-162	3		20
Freon-113	120		110		70-130	9		20
Methyl cyclohexane	99		86		70-130	14		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		101		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	92		95		70-130
Dibromofluoromethane	110		108		70-130

Project Name: NIAGARA METALS JUL 2025 IN-BET
Project Number: 20-003

Lab Number: L2544886
Report Date: 07/31/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2544886-01A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2544886-01B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2544886-01C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	NIAGARA METALS JUL 2025 IN-BET	**Lab Number:**	L2544886
Project Number:	20-003	**Report Date:**	07/31/25

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	NIAGARA METALS JUL 2025 IN-BET	**Lab Number:**	L2544886
Project Number:	20-003	**Report Date:**	07/31/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	NIAGARA METALS JUL 2025 IN-BET	**Lab Number:**	L2544886
Project Number:	20-003	**Report Date:**	07/31/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name: NIAGARA METALS JUL 2025 IN-BET **Lab Number:** L2544886

Project Number: 20-003 **Report Date:** 07/31/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, SM4500CL-G, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1: Hg. **EPA 245.7:** Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY kY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
MA M-MA00030, CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 7/18/25

ALPHA Job #: L2544886

Client Information

Client: Matrix Environmental Tech
Address: 3730 California Road
Orchard Park, NY 14127
Phone: 716-662-0745
Fax:
Email: mszustak@matrixbiotech.com

Project Information

Project Name: Niagara Metals July 2025 In-between Carbon Sampling
Project Location: 766 New Babcock St. & 50 Hannah St., Buffalo
Project #: 20-003
(Use Project name as Project #) ☑
Project Manager: M. Deyo
ALPHAQuote #:

Turn-Around Time

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

Deliverables

☑ SP-A ☐ SP-B
☐ CuIS (1 File) ☐ CuIS (4 File)
☐ Other

Regulatory Requirement

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

Billing Information

☐ Same as Client Info
PO # 20-003

Disposal Site Information

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

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please CC results to ccurtis@matrixbiotech.com

Please specify Metals or TAL.

ANALYSIS

TCL VOCS

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

Total # Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCS	Sample Specific Comments	Total # Bottles
L2544886-01	In-between Carbon (071725)	7/17/2025	1200	GW	JM	X		3

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

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

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

Container Type: V
Preservative: B

Relinquished By:	Date/Time	Received By:	Date/Time
J. McLaren	7/17/25 1400	(PACE)	7/17/25 14:00
(PACE)	7/17/25 14:00	BUF SC	7/17/25 14:00
Russell B. Bixby	7-17-25 15:59		7/17 2300
	7/18 0300		7/18 0300

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

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

Sample Delivery Group Summary

Pace Job Number : L2544886
Received : 17-JUL-2025
Reviewer : Harmony Evans

Account Name : Matrix Environmental Technologies
Project Number : 20-003
Project Name : NIAGARA METALS JUL 2025 IN-BET

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.4	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NO**

APPENDIX G

Monitoring Well Sampling Logs

Well Data Sheet

Date: 09/04/2024 Job #: 00913

Well ID: BR-01

Crew: C. Snyder + ~~R. Hooker~~ W. Parker

Well Depth (TOR): 15.05

Well Depth (GS): 16.10

Initial Water Level (TOR): 14.24

Initial Water Level (GS): 15.29

Volume Calculation: (15.05 - 14.24) · .653 = .81 X3 = 2.43.

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
12:26	1 gal	7.98	3.35	18.96	0.0
12.34	2 gal	8.33	3.35	18.94	0.0
12:44	3 gal	8.26	3.33	18.96	0.0

Purge Method: Bailer/Submersible Pump

Initial Water Quality ~~Poor~~ good

Final Water Quality good

SAMPLE RECORD

Date: 06/24/2024

Time: 12:48

Crew: CS + RH

Method: Low Flow

Sample ID: BR-01 (062424) MS/MSD

Water Quality: good

pH: 8.26

Conductivity: 3.33

Temperature: 18.96

Turbidity: 0.0

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Grab

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
(4")	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 0.0

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 09/04/2024 Job #: 00913

Well ID: BR-02

Crew: C. Snyder + ~~R. Hooker~~ W. Parker

Well Depth (TOR): 19.90

Well Depth (GS): 20.15

Initial Water Level (TOR): 19.40

Initial Water Level (GS): 19.65

Volume Calculation: (19.90 - 14.40) · .653 = 3.5915 X 3 = 10.7745

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
14:52	2 gal	5.31	2.58	18.30	0.0
15:12	4 gal	4.64	2.58	18.20	0.0
15:33	6 gal	6.78	2.59	18.29	0.0
15:50	8 gal	6.81	2.59	18.32	0.0
16:10	10 gal	6.75	2.60	18.26	0.0

Purge Method: Bailer/Submersible Pump

Initial Water Quality good.

Final Water Quality good

SAMPLE RECORD

Date: 06/24/2024

Time: 1612.

Crew: CS +RH

Method: Low Flow

Sample ID: BR-02 (062424)

Water Quality: good

pH: 6.75

Conductivity: 2.60

Temperature: 18.26

Turbidity: 0.0

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Grab

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
(4")	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 11.0

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 09/04/2024 Job #: 00913

Well ID: BR-03

Crew: C. Snyder + ~~R. Hooker~~ L. Parker

Well Depth (TOR): 19.90

Well Depth (GS): 20.15

Initial Water Level (TOR): 16.90

Initial Water Level (GS): 17.15

Volume Calculation: (19.90 - 16.90) · .653 = 1.959

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
	.5 gal				
	1 gal				—
	1.5 gal				

Purge Method: Bailer/Submersible Pump

Initial Water Quality Poor

Final Water Quality Poor

SAMPLE RECORD

Date: 06/24/2024

Time: 1:48

Crew: CS + RH

Method: Low Flow

Sample ID: BR-03 (062424)

Water Quality: Poor

pH: —

Conductivity: —

Temperature: —

Turbidity: —

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
(4")	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 0.0

7.5 ~~gal~~ gallon purged because well does not recharge.

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 09/04/2024 Job #: 00913

Well ID: BR-04

Crew: C. Snyder + ~~R. Hooker~~ W. Parker

Well Depth (TOR): 19.00

Well Depth (GS): 19.45

Initial Water Level (TOR): 9.06

Initial Water Level (GS): 9.51

Volume Calculation: **No Sample**

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 0.0

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 09/04/2024 Job #: 00913

Well ID: BR-05

Crew: C. Snyder + ~~R. Hooker~~ W. Parker

Well Depth (TOR): 16.34

Well Depth (GS): 16.64

Initial Water Level (TOR): 7.80

Initial Water Level (GS): 8.10

Volume Calculation: **No Sample**

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
(4")	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 0.0

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 09/04/2024 Job #: 00913

Well ID: BR-06

Crew: C. Snyder + ~~R. Hoeker~~ W. Parker

Well Depth (TOR): 13.63

Well Depth (GS): 14.05

Initial Water Level (TOR): 5.08

Initial Water Level (GS): 5.50

Volume Calculation: **NO SAMPLE**

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: 06/24/2024

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
(4")	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 0.6

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 09/04/2024 Job #: 00913

Well ID: BR-07

Crew: C. Snyder + ~~R. Hooker~~ L. Parker

Well Depth (TOR):15.60

Well Depth (GS): 15.90

Initial Water Level (TOR): 11.66

Initial Water Level (GS): 11.96

Volume Calculation: **NO SAMPLE**

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: 06/24/2024

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
(4")	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 0.0

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 09/04/2024 Job #: 00913

Well ID: BR-08

Crew: C. Snyder ~~R. Hacker~~ W. Parker

Well Depth (TOR): 17.30

Well Depth (GS):17.55

Initial Water Level (TOR): 5.45

Initial Water Level (GS): 5.70

Volume Calculation: **NO SAMPLE**

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: 06/24/2024

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
(4")	0.653
6"	1.468
8"	2.61

Comments Head Space PID 0.0

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 09/04/2024 Job #: 00913

Well ID: BR-09

Crew: C. Snyder + ~~R. Hooker~~ W. Parker

Well Depth (TOR):

Well Depth (GS):

Initial Water Level (TOR):

Initial Water Level (GS):

Volume Calculation: **NO SAMPLE**

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: 06/24/2024

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID:

Well Covered by Sheet Aluminum

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 09/04/2024 Job #: 00913

Well ID: BR-10

Crew: C. Snyder + ~~R. Hooker~~ W. Parker

Well Depth (TOR): 17.09

Well Depth (GS): 17.40

Initial Water Level (TOR):

Initial Water Level (GS):

Volume Calculation: **NO SAMPLE**

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: 06/24/2024

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID:

Well Casing is caked over cover, Can not be opened.

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 09/04/2024 Job #: 00913

Well ID: BR-11

Crew: C. Snyder + ~~R. Hooker~~ L. Parker

Well Depth (TOR): 18.90

Well Depth (GS): 19.20

Initial Water Level (TOR): 13.36

Initial Water Level (GS): 13.66

Volume Calculation: **NO SAMPLE**

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: 06/24/2024

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
(4")	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 54.5

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 09/04/2024 Job #: 00913

Well ID: BR-12

Crew: C. Snyder + ~~R. Hooker~~ W. Parker

Well Depth (TOR): 19.05

Well Depth (GS): 19.50

Initial Water Level (TOR): 13.30

Initial Water Level (GS): 13.82

Volume Calculation: **NO SAMPLE**

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: 06/24/2024

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 14.9

Broken tab.

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 09/04/2024 Job #: 00913

Well ID: BR-13

Crew: C. Snyder + ~~R. Hooker~~ W. Parker

Well Depth (TOR): 19.35

Well Depth (GS): 19.67

Initial Water Level (TOR): 14.05

Initial Water Level (GS): 14.37

Volume Calculation: 19.35 - 14.05 (0.653) = 3.43 (X3) = 11 gal

(DTB-DTW)0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
10:27	3	6.08	2.785	18.372	0.0
10:56	6	5.97	2.80	18.42	0.0
11:18	9	5.67	2.86	18.45	0.0
11:46	12	6.51	2.88	18.93	0.0

Purge Method: Bailer/Submersible Pump

Initial Water Quality good

Final Water Quality good

SAMPLE RECORD

Date: 06/24/2024

Time: 11:96

Crew: CS + RH

Method: Low Flow

Sample ID:BR-13 (062424)

Water Quality: good

pH: 6.51

Conductivity: 2.88

Temperature: 18.93

Turbidity: 0.0

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 15.9

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 09/04/2024 Job #: 00913

Well ID: BR-14

Crew: C. Snyder + ~~R. Hooker~~ W. Parker

Well Depth (TOR): 19.25

Well Depth (GS): 19.77

Initial Water Level (TOR): ~~13.50~~ 14.50

Initial Water Level (GS): ~~13.82~~ 15.02

Volume Calculation: no Sample

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: 06/24/2024

Time:

Crew: CS + RH

Method: Low Flow

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID: ~~11.9~~ 0.0

~~Tab broken~~

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 09/04/2024 Job #: 00913

Well ID: BR-15

Crew: C. Snyder + ~~R. Hooker~~ W. Parker

Well Depth (TOR): 19.34

Well Depth (GS): 19.84

Initial Water Level (TOR): 10.86

Initial Water Level (GS): 11.36

Volume Calculation: $(19.34 - 10.86) \cdot 0.653 = 5.53744$

(DTB-DTW)*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp°C	Turbidity
9:07	3 gal	7.05	2.97	19.12	6.5
9:12	4 gal	6.07	2.98	19.05	13.1
9:26	5 gal	5.92	2.95	19.16	9.9

Purge Method: Bailer/Submersible Pump

Initial Water Quality good

Final Water Quality good

SAMPLE RECORD

Date: 06/24/2024

Time: 9:28

Crew: CS + RH

Method: Low Flow

Sample ID: BR-15 (062424)

Water Quality: good

pH: 5.92

Conductivity: 2.95

Temperature: 19.16

Turbidity: 9.9

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
(4")	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 0.6

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder

Well Data Sheet

Date: 12/4/24 Job #: 00913

Well ID: BR-01

Crew: C. Snyder + R. Hooker

Well Depth (TOR): 15.05

Well Depth (GS): 16.10

Initial Water Level (TOR): 13.95

Initial Water Level (GS): 15.00

3 gals to purge

Volume Calculation: (15.05 - 13.95) x 0.653 = 0.718

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
11.06	1	4.69	2.09	12.67	0.3
11:16	2	4.70	1.95	13.45	0.0
11:26	3	4.70	2.06	13.29	0.0

Purge Method: Bailer/Submersible Pump

Initial Water Quality good

Final Water Quality good

SAMPLE RECORD

Date: ~~06/24/2024~~ 12/4/24

Time: 11:26

Crew: CS + RH

Method: Low Flow

Sample ID: BR-01 ~~(062424)~~ (12/4/24)

Water Quality: good

pH: 4.70

Conductivity: 2.06

Temperature: 13.29

Turbidity: 0.00

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Grab

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
(4")	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 0.8 ppm

TOR= Top of Riser

GS= Ground Surface

Signature: Ryle Hooker

Well Data Sheet

Date: 12/4/24
Job #: 00913
Well ID: BR-02
Crew: C. Snyder + R. Hooker
Well Depth (TOR): 19.90
Well Depth (GS): 20.15
Initial Water Level (TOR): 13.38
Initial Water Level (GS): 13.63

12 gals to purge

Volume Calculation: (14.4 - 13.38) x 0.653 = 4.257
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
10:02	3	4.92	2.37	15.47 °C	0.0
10:18	6	4.57	2.38	15.62	0.0
10:36	9	4.39	2.37	15.85	0.0
10:50	12	4.31	2.36	15.80	0.0

Purge Method: Bailer/Submersible Pump
Initial Water Quality: fair
Final Water Quality: good

SAMPLE RECORD

Date: ~~06/24/2024~~ 12/4/24
Time: 10:50
Crew: CS +RH
Method: Low Flow
Sample ID: BR-02 ~~(062424)~~ (120424)
Water Quality: good
pH: 4.31
Conductivity: 2.36
Temperature: 15.80
Turbidity: 0.00

Volume: See Chain
Analysis: See Chain
Chain of Custody #: ---
Sample Type: Grab

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
(4")	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 0.3 ppm
sheen observed

TOR= Top of Riser
GS= Ground Surface

Signature: Ryan Hooker

Well Data Sheet

Date: 12/04/24 Job #: 00913

Well ID: BR-03

Crew: C. Snyder + R. Hooker

Well Depth (TOR): 19.90

Well Depth (GS): 20.15

Initial Water Level (TOR): 16.17

Initial Water Level (GS): 16.42

Volume Calculation: (19.90 - 16.17) x 0.653 = 2.44

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
11:47	1	2.99	0.926	15.03	8.8
12:00	2	3.22	.932	14.64	0.0

Purge Method: Bailer/Submersible Pump

Initial Water Quality fair

Final Water Quality fair

SAMPLE RECORD

Date: ~~06/24/2024~~ 12/04/24

Time: 12:00

Crew: CS + RH

Method: Low Flow

Sample ID: BR-03 ~~(062424)~~ (12/04/24)

Water Quality: fair

pH: 3.22

Conductivity: .932

Temperature: 14.64

Turbidity: 0.00

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
(4")	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 0.0

due to insufficient well recharging rate, only one well volume was purged for sampling

TOR= Top of Riser

GS= Ground Surface

Signature: Rylee Hooker

Well Data Sheet

Date: 12/4/24
Job #: 00913
Well ID: BR-04
Crew: C. Snyder + R. Hooker
Well Depth (TOR): 19.00
Well Depth (GS): 19.45
Initial Water Level (TOR): 9.23
Initial Water Level (GS): 9.68

Volume Calculation: **No Sample**
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality
Final Water Quality

SAMPLE RECORD

Date: 12/4/24
Time: 2:00
Crew: R. Hooker + C. Snyder
Method:
Sample ID:
Water Quality:
pH:
Conductivity:
Temperature:
Turbidity:

Volume: See Chain
Analysis: See Chain
Chain of Custody #: ---
Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
(4")	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: Ryan Hooker

Well Data Sheet

Date:

Job #: 00913

Well ID: BR-05

Crew: C. Snyder + R. Hooker

Well Depth (TOR): 16.34

Well Depth (GS): 16.64

Initial Water Level (TOR):

Initial Water Level (GS):

decomissioned

Volume Calculation: **No Sample**

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID:

TOR= Top of Riser

GS= Ground Surface

Signature:

Well Data Sheet

Date: 12/4/24 Job #: 00913

Well ID: BR-06

Crew: C. Snyder + R. Hooker

Well Depth (TOR): 13.63

Well Depth (GS): 14.05

Initial Water Level (TOR): 8.01

Initial Water Level (GS): 8.43

Volume Calculation: **NO SAMPLE**

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: ~~06/24/2024~~ 12/4/24

Time: 2:10

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
(4")	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 0.0 ppm

TOR= Top of Riser

GS= Ground Surface

Signature: Ryler Hooker

Well Data Sheet

Date: 12/4/24

Job #: 00913

Well ID: BR-07

Crew: C. Snyder + R. Hooker

Well Depth (TOR):15.60

Well Depth (GS): 15.90

Initial Water Level (TOR):

Initial Water Level (GS):

* Well blocked

Volume Calculation: **NO SAMPLE**

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: ~~06/24/2024~~ 12/4/24

Time: ~~0930~~

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID:

Unable to gauge well due to snow and soil offs blocking well

TOR= Top of Riser

GS= Ground Surface

Signature: Ryker Hooker

Well Data Sheet

Date:

Job #: 00913

Well ID: BR-08

Crew: C. Snyder + R. Hooker

Well Depth (TOR): 17.30

Well Depth (GS):17.55

Initial Water Level (TOR):

Initial Water Level (GS):

decomissioned

Volume Calculation: **NO SAMPLE**

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: 06/24/2024

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID:

TOR= Top of Riser

GS= Ground Surface

Signature:

Well Data Sheet

Date: 12/4/24

Job #: 00913

Well ID: BR-09

Crew: C. Snyder + R. Hooker

Well Depth (TOR): 17.74

Well Depth (GS): 18.05

Initial Water Level (TOR): 6.40

Initial Water Level (GS): 6.71

Volume Calculation: **NO SAMPLE**

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: ~~06/24/2024~~ 12/4/24

Time: 15:10

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 0.0 ppm

TOR= Top of Riser

GS= Ground Surface

Signature: Ryan Hooker

Well Data Sheet

Date:

Job #: 00913

Well ID: BR-10

Crew: C. Snyder + R. Hooker

Well Depth (TOR): 17.09

Well Depth (GS): 17.40

Initial Water Level (TOR):

Initial Water Level (GS):

decommissioned

Volume Calculation: **NO SAMPLE**

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: ~~05/24/2024~~

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID:

TOR= Top of Riser

GS= Ground Surface

Signature:

Well Data Sheet

Date: 12/4/24
Job #: 00913
Well ID: BR-11
Crew: C. Snyder + R. Hooker
Well Depth (TOR): 18.90
Well Depth (GS): 19.20
Initial Water Level (TOR): 12.07
Initial Water Level (GS): 12.32

Volume Calculation: **NO SAMPLE**
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality
Final Water Quality

SAMPLE RECORD

Date: ~~06/24/2024~~ 12/4/24
Time: ~~0900~~ 1:30
Crew:
Method:
Sample ID:
Water Quality:
pH:
Conductivity:
Temperature:
Turbidity:

Volume: See Chain
Analysis: See Chain
Chain of Custody #: ---
Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 5.4 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: Ryan Hooker

Well Data Sheet

Date: 12/4/24

Job #: 00913

Well ID: BR-12

Crew: C. Snyder + R. Hooker

Well Depth (TOR): 19.05

Well Depth (GS): 19.50

Initial Water Level (TOR): ~~13.1~~ 13.1

Initial Water Level (GS): 13.46

Volume Calculation: **NO SAMPLE**

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: ~~08/24/2024~~ 12/4/24

Time: 1:35

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 10.7 ppm

TOR= Top of Riser

GS= Ground Surface

Signature: Ryan Hooker

Well Data Sheet

Date: 12/4/24 Job #: 00913

Well ID: BR-13

Crew: C. Snyder + R. Hooker

Well Depth (TOR): 19.35

Well Depth (GS): 19.67

Initial Water Level (TOR): 13.50

Initial Water Level (GS): 13.82

15 gals to be purged

Volume Calculation: (19.35 - 13.50) x 0.65^3 = 3.8

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
12:53	5	5.62	2.39	17.23	0.0
13:25	10	5.54	2.42	17.42	0.0
13:50	15	5.49	2.47	17.00	0.0

Purge Method: Bailer/Submersible Pump

Initial Water Quality good

Final Water Quality good

SAMPLE RECORD

Date: ~~06/24/2024~~ 12/4/24

Time: 13:50

Crew: CS + RH

Method: Low Flow

Sample ID: BR-13 (120424)

Water Quality: good

pH: 5.49

Conductivity: 2.47

Temperature: 17.00

Turbidity: 0.00

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 7.3 ppm

TOR= Top of Riser

GS= Ground Surface

Signature: Ryle Hooker

Well Data Sheet

Date: 12/4/24
Job #: 00913
Well ID: BR-14
Crew: C. Snyder + R. Hooker
Well Depth (TOR): 19.25
Well Depth (GS): 19.77
Initial Water Level (TOR): 13.85
Initial Water Level (GS): 14.42

Volume Calculation: No Sample
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality
Final Water Quality

SAMPLE RECORD

Date: ~~06/24/2024~~ 12/4/24
Time: 12:35
Crew: CS + RH
Method: Low Flow

Volume: See Chain
Analysis: See Chain
Chain of Custody #: ---
Sample Type: Low Flow

Water Quality:
pH:
Conductivity:
Temperature:
Turbidity:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: Ryle Hooker

Well Data Sheet

Date: 12/4/24 Job #: 00913

Well ID: BR-15

Crew: C. Snyder + R. Hooker

Well Depth (TOR): 19.34

Well Depth (GS): 19.84

Initial Water Level (TOR): 9.06

Initial Water Level (GS): 9.56

20 gallons purged

Volume Calculation: (19.34 - 9.06) × 0.653 = 6.71

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
2:30	5	4.57	3.89	17.96	1.4
2:52	10	6.23	2.83	17.53	21.1
3:18	15	6.82	3.21	17.02	24.2
3:45	20	6.9	3.27	15.53	27.0

Purge Method: Bailer/Submersible Pump

Initial Water Quality fair

Final Water Quality fair

SAMPLE RECORD

Date: ~~06/24/2024~~ 12/4/24

Time: 3:45

Crew: CS + RH

Method: Low Flow

Sample ID: BR-15 ~~(062424)~~ (120424)

Water Quality: fair

pH: 6.90

Conductivity: 3.27

Temperature: 15.53

Turbidity: 27.00

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 0.0

TOR= Top of Riser

GS= Ground Surface

Signature: Ryler Hooker

Well Data Sheet

Date: 03/05/2025
Job #: 20.003
Well ID: BR-01
Crew: P. Bliek & M. Meraw
Well Depth (TOR): 15.05
Well Depth (GS): 16.10
Initial Water Level (TOR): 8.63
Initial Water Level (GS):

Volume Calculation:
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump grab
Initial Water Quality Clear
Final Water Quality

SAMPLE RECORD

Date: 03/05/2025
Time: 11:15
Crew: PB & MM
Method: ~~LOW FLOW~~ grab
Sample ID: BR-01 (030525)
Water Quality: Clear
pH: 7.24
Conductivity: 2.918
Temperature: 12.0C
Turbidity: 9.41

Volume: See Chain
Analysis: See Chain
Chain of Custody #: ---
Sample Type: ~~Low Flow~~ grab

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 1.5

TOR= Top of Riser
GS= Ground Surface

Signature:

Well Data Sheet

Date: 03/05/2025
Job #: 20.003
Well ID: BR-02
Crew: P. Bliek & M. Meraw
Well Depth (TOR): 19.90
Well Depth (GS): 20.15
Initial Water Level (TOR): 9.38
Initial Water Level (GS):

Volume Calculation:
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump grab
Initial Water Quality
Final Water Quality

SAMPLE RECORD

Date: 03/05/2025
Time: 11:30
Crew: PB & MM
Method: ~~LOW FLOW~~ grab
Sample ID: BR-02 (030525)
Water Quality: clear
pH: 7.15
Conductivity: 2.896
Temperature: 12.1 C
Turbidity: 7.44

Volume: See Chain
Analysis: See Chain
Chain of Custody #: ---
Sample Type: ~~Low Flow~~ grab

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 1.0

TOR= Top of Riser
GS= Ground Surface

Signature:

Well Data Sheet

Date: 03/05/2025
Job #: 20.003
Well ID: BR-03
Crew: P. Bliek & M. Meraw
Well Depth (TOR): 19.90
Well Depth (GS): 20.15
Initial Water Level (TOR): 13.44
Initial Water Level (GS):

Start 11:40

Volume Calculation:
DTB-DTW*0.163=1-well vol

DTW DO mL

Purge Record

ORP	Time	Volume	pH	Cond.	Temp. C	Turbidity		
2.7	11:43	Start	11.26	1.274	11.4	24.13	13.66	3.50
-.5	11:50		~~11.25~~	1.243	11.4	6.85	13.80	2.73
-4.8	12:00		11.24	1.251	11.4	1.62	14.05	2.38
-5.3	12:15		11.24	1.252	11.4	1.63	14.12	2.33
-5.4	12:17		11.23	1.253	11.4	1.79	14.16	2.27

Purge Method: Bailer/Submersible Pump
Initial Water Quality
Final Water Quality

SAMPLE RECORD

Date: 03/05/2025
Time: 12:17
Crew: PB & MM
Method: LOW FLOW
Sample ID: BR-03 (030525)
Water Quality: Clear
pH: 11.23
Conductivity: 1.253
Temperature: 11.14
Turbidity: 1.79
DO 2.27
ORP 5.4

Volume: See Chain
Analysis: See Chain
Chain of Custody #: ---
Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID: .2

TOR= Top of Riser
GS= Ground Surface

Signature:

Well Data Sheet

Date: 03/05/2025 Job #: 20.003

Well ID: BR-04

Crew: P. Bliek & M. Meraw

Well Depth (TOR): 19.00

Well Depth (GS): 19.45

Initial Water Level (TOR):

Initial Water Level (GS):

Comments Head Space PID:

Blocked By Snow Pile

TOR= Top of Riser
GS= Ground Surface

Signature:

Well Data Sheet

Date: 03/05/2025

Job #: 20.003

Well ID: BR-06

Crew: P. Bliek & M. Meraw

Well Depth (TOR): 13.63

Well Depth (GS): 14.05

Initial Water Level (TOR): 4.54

Initial Water Level (GS):

Comments Head Space PID: 0

TOR= Top of Riser

GS= Ground Surface

Signature:

Well Data Sheet

Date: 03/05/2025 Job #: 20.003

Well ID: BR-07

Crew: P. Bliek & M. Meraw

Well Depth (TOR): 15.60

Well Depth (GS): 15.90

Initial Water Level (TOR):

Initial Water Level (GS):

Comments Head Space PID:

under water

TOR= Top of Riser
GS= Ground Surface

Signature:

Well Data Sheet

Date: 03/05/2025

Job #: 20.003

Well ID: BR-09

Crew: P. Bliek & M. Meraw

Well Depth (TOR): 17.74

Well Depth (GS): 18.05

Initial Water Level (TOR):

Initial Water Level (GS):

Comments Head Space PID:

Under snow pile

TOR= Top of Riser
GS= Ground Surface

Signature:

Well Data Sheet

Date: 03/05/2025

Job #: 20.003

Well ID: BR-11

Crew: P. Bliek & M. Meraw

Well Depth (TOR): 18.90

Well Depth (GS): 19.20

Initial Water Level (TOR): 12.61

Initial Water Level (GS):

Comments Head Space PID: 0

TOR= Top of Riser
GS= Ground Surface

Signature:

Well Data Sheet

Date: 03/05/2025

Job #: 20.003

Well ID: BR-12

Crew: P. Bliek & M. Meraw

Well Depth (TOR): 19.05

Well Depth (GS): 19.50

Initial Water Level (TO . 12.63

Initial Water Level (GS):

Comments Head Space PID: 0

TOR= Top of Riser
GS= Ground Surface

Signature:

Well Data Sheet

Date: 03/05/2025
Job #: 20.003
Well ID: BR-13
Crew: P. Bliek & M. Meraw
Well Depth (TOR): 19.35
Well Depth (GS): 19.67
Initial Water Level (TOR): 13.21
Initial Water Level (GS):

Start 12:35

Volume Calculation:
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.C	Turbidity	ORP
12:40		7.73	1.786	12.0	20.21	100.8
12:45		7.51	1.812	12.0	21.83	104.3
12:50		7.43	1.816	12.0	25.50	106.9
12:55		7.39	1.818	12.2	23.56	107.0
1:00		7.38	1.817	12.2	33.56	106.4

	DTW	DO mg
13:35	4.45	
13:38	1.90	
13:42	1.04	
13:47	0.73	
13:48	.77	

Purge Method: Bailer/Submersible Pump
Initial Water Quality clear
Final Water Quality

SAMPLE RECORD

Date: 03/05/2025
Time: 1:00
Crew: PB & MM
Method: LOW FLOW
Sample ID: BR-13 (030525)
Water Quality: clear
pH: 7.38
Conductivity: 1.817
Temperature: 12.2
Turbidity: 33.56
DO .77
ORP 106.4
Comments Head Space PID: .8

Volume: See Chain
Analysis: See Chain
Chain of Custody #: ---
Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

TOR= Top of Riser
GS= Ground Surface

Signature:

Well Data Sheet

Date: 03/05/2025

Job #: 20.003

Well ID: BR-14

Crew: P. Bliek & M. Meraw

Well Depth (TOR): 19.25

Well Depth (GS): 19.77

Initial Water Level (TOR): 13.46

Initial Water Level (GS):

Comments Head Space PID: 0

TOR= Top of Riser
GS= Ground Surface

Signature:

Well Data Sheet

Date: 03/05/2025 Job #: 20.003

Well ID: BR-15

Crew: P. Bliek & M. Meraw

Well Depth (TOR): 19.34

Well Depth (GS): 19.84

Initial Water Level (TOR): 8.30 1:15

Initial Water Level (GS):

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

ORP	Time	Volume	pH	Cond.	Temp. C	Turbidity	DTW	DO mg/L
-10.3	1:17		7.14	5.588	12.1	1.00	8.48	4.01
-57.3	1:25		7.16	5.632	12.0	1.36	8.70	.89
-66.8	1:30		7.18	5.741	12.1	1.41	8.85	.58
-73.8	1:35		7.19	5.747	12.1	1.45	9.10	.47
-76.1	1:40		7.19	5.740	12.1	1.42	9.13	.45

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: 03/05/2025

Time: 1:40

Crew: PB & MM

Method: LOW FLOW

Sample ID: BR-15 (030525)

Water Quality: Clear

pH: 7.19

Conductivity: 5.740

Temperature: 12.1

Turbidity: 1.42

DO .45

ORP 761

Comments Head Space PID: 0.5

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

TOR= Top of Riser

GS= Ground Surface

Signature:

Well Data Sheet

Date: ~~MM/DD/YYYY~~ 6/16/25 Job #: 20-003

Well ID: BR-01

Crew: ~~P. Blick & M. Meraw~~ Nick, Jan

Well Depth (TOR): 15.05

Well Depth (GS): 16.10

Initial Water Level (TOR): 6.89

Initial Water Level (GS):

MS: 11:52

MSD: 11:54

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
11:30	0	7.42	3.142	17.6	1.20
11:35	20oz	7.14	3.045	16.9	-0.38
11:40	34oz	7.13	3.034	17.1	-0.03
11:45	60oz	7.12	3.027	16.8	0.81
11:50	80oz	7.12	3.029	16.4	1.79

Purge Method: Bailer/Submersible Pump

Initial Water Quality: Clear, no odor

Final Water Quality:

SAMPLE RECORD

Date: ~~MM/DD/YYYY~~ 6/16/25

Time:

Crew: ~~PB & MM~~ NA, JM

Method: LOW FLOW

Sample ID: BR-01 (MM/DD/YYYY)

Water Quality: Clear, no odor

pH: 7.12

Conductivity: 3.029

Temperature: 16.4

Turbidity: 1.79

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 0.3ppm

TOR= Top of Riser

GS= Ground Surface

Signature:

Scanned with CamScanner

Well Data Sheet

Date: MM/DD/YYYY 6/16/25 Job #: 20-003

Well ID: BR-02

Crew: ~~R. Bliek & M. Meraw~~ Nick A, Jon M.

Well Depth (TOR): 19.90

Well Depth (GS): 20.15

Initial Water Level (TOR): 12.89

Initial Water Level (GS):

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
9:25	0	7.04	3.238	15.8	3.08
9:30	15oz	7.03	3.330	15.7	3.21
9:35	30oz	7.01	3.357	15.5	3.65
9:40	45oz	7.01	3.366	15.6	6.09
9:45	65oz	7.03	3.348	15.7	11.51

Purge Method: Bailer/Submersible Pump

Initial Water Quality Clear, no odor

Final Water Quality Clear, no odor

SAMPLE RECORD

Date: ~~MM/DD/YYYY~~ 6/16/25

Time: 9:45 am

Crew: ~~PB & MM~~ NA, JM

Method: LOW FLOW

Sample ID: BR-02(MM/DD/YYYY)

Water Quality: Clear, no odor

pH:

Conductivity:

Temperature:

Turbidity:

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 0 ppm

TOR= Top of Riser

GS= Ground Surface

Signature:

Scanned with CamScanner

Well Data Sheet

6/16/25

Date: ~~MM/DD/YYYY~~ Job #: 20-003

Well ID: BR-03

Crew: ~~P. Bilek & M. Meraw~~ Nick A, Jon M

Well Depth (TOR): 19.90

Well Depth (GS): 20.15

Initial Water Level (TOR): 6.11

Initial Water Level (GS):

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
12:10	0	11.57	1.951	18.5	5.53
12:15	15oz	11.77	1.933	17.6	1.39
12:20	40oz	11.74	2.000	17.4	2.00
12:25	58oz	11.73	2.020	17.2	1.21
1230	81oz	11.71	2.019	17.5	.79

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

6/16/25

Date: ~~MM/DD/YYYY~~

Time: 12:30

Crew: ~~PB & MM~~ NA, JM

Method: LOW FLOW

Sample ID: BR-03 (MM/DD/YYYY)

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 0.0 ppm

TOR= Top of Riser

GS= Ground Surface

Signature:

Scanned with CamScanner

Well Data Sheet

Date: 6/16/25 (MM/DD/YYYY)

Job #: 20-003

Well ID: BR-04

Crew: P. Bliek & M. Meraw

Well Depth (TOR): 19.00

Well Depth (GS): 19.45

Initial Water Level (TOR): 8.60

Initial Water Level (GS):

Comments Head Space PID: 0.0 ppm

TOR= Top of Riser

GS= Ground Surface

Signature:

Scanned with CamScanner

Well Data Sheet

6/16/25

Date: ~~MM/DD/YYYY~~ Job #: 20-003

Well ID: BR-06

Crew: ~~P. Blick & M. Meraw~~ Nick A, Jon M.

Well Depth (TOR): 13.63

Well Depth (GS): 14.05

Initial Water Level (TOR): 4.93

Initial Water Level (GS):

Comments Head Space PID: 0.0ppm

TOR= Top of Riser

GS= Ground Surface

Signature:

Scanned with CamScanner

Well Data Sheet

Date: ~~MM/DD/YYYY~~ 6/16/25 Job #: 20-003

Well ID: BR-07

Crew: P. Bliek & M. Meraw

Well Depth (TOR): 15.60

Well Depth (GS): 15.90

Initial Water Level (TOR): 10.08

Initial Water Level (GS):

Comments Head Space PID: 0.0ppm

TOR= Top of Riser

GS= Ground Surface

Signature:

Scanned with CamScanner

Well Data Sheet

Date: ~~MM/DD/YYYY~~ 6/16/25 Job #: 20-003

Well ID: BR-09

Crew: ~~P. Blick & M. Meraw~~ Nick A, Jon M.

Well Depth (TOR): 17.74

Well Depth (GS): 18.05

Initial Water Level (TOR): 6.59

Initial Water Level (GS):

Comments Head Space PID: 6.6 ppm

TOR= Top of Riser

GS= Ground Surface

Signature:

Scanned with CamScanner

Well Data Sheet

Date: ~~MM/DD/YYYY~~ 6/16/25 Job #: 20-003

Well ID: BR-11

Crew: ~~P. Blick & M. Meraw~~ Nick A, Jon M

Well Depth (TOR): 18.90

Well Depth (GS): 19.20

Initial Water Level (TOR): 7.39

Initial Water Level (GS):

Comments Head Space PID: 156.6 ppm

TOR= Top of Riser

GS= Ground Surface

Signature:

Well Data Sheet

Date: ~~MM/DD/YYYY~~ 6/16/25 Job #: 20-003

Well ID: BR-12

Crew: ~~P. Blick & M. Meraw~~ Nick A, Jon M

Well Depth (TOR): 19.05

Well Depth (GS): 19.50

Initial Water Level (TO . 7.82

Initial Water Level (GS):

Comments Head Space PID: 11.6 ppm

TOR= Top of Riser

GS= Ground Surface

Signature:

Scanned with CamScanner

Well Data Sheet

Date: MM/DD/YYYY 6/16/25 Job #: 20-003

Well ID: BR-13

Crew: ~~P. Blick & M. Merow~~ Nick A, Jon M

Well Depth (TOR): 19.35

Well Depth (GS): 19.67

Initial Water Level (TOR): 9.15

Initial Water Level (GS):

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
10:15	0	7.29	2.723	16.3	3.93
10:20	12.5	7.13	2.655	17.2	6.07
10:25	28.7	7.09	2.673	17.3	9.72
10:30	49.0?	7.08	2.677	16.9	18.89
10:35	70.0?	7.07	2.684	16.8	28.31

Purge Method: Bailer/Submersible Pump

Initial Water Quality Clear, no odor

Final Water Quality

SAMPLE RECORD

Date: ~~MM/DD/YYYY~~ 6/16/25

Time: 10:35

Crew: ~~PB & MM~~ NA, JM

Method: LOW FLOW

Sample ID: BR-13 (MM/DD/YYYY)

Water Quality:

pH: 7.07

Conductivity: 2.684

Temperature: 16.8

Turbidity: 28.31

Volume: See Chain

Analysis: See Chain

Chain of Custody #: —

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 7.5 ppm

TOR= Top of Riser

GS= Ground Surface

Signature:

Scanned with CamScanner

Well Data Sheet

06/16/25

Date: ~~MM/DD/YYYY~~ Job #: 20-003

Well ID: BR-15

Crew: ~~P. Blick & M. Moraw~~ Nickel, Jon M

Well Depth (TOR): 19.34

Well Depth (GS): 19.84

Initial Water Level (TOR): 7.38

Initial Water Level (GS):

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
2:00	0	8.07	4.083	21.2	20.28
2:05	10oz	7.43	4.418	17.9	19.35
2:10	28oz	7.25	4.445	17.7	16.98
2:15	48oz	7.22	4.424	17.2	21.13
2:20	66oz	7.21	4.421	17.2	40.15

Purge Method: Bailer/Submersible Pump

Initial Water Quality clear, no odor

Final Water Quality

SAMPLE RECORD

6/16/25

Date: ~~MM/DD/YYYY~~

Time:

Crew: ~~PB & MM~~ NA + JM

Method: LOW FLOW

Sample ID: BR-01 (MM/DD/YYYY)

Water Quality:

pH: 7.21

Conductivity: 4.421

Temperature: 17.2

Turbidity: 40.15

Volume: See Chain

Analysis: See Chain

Chain of Custody #: ---

Sample Type: Low Flow

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments Head Space PID: 0.0ppm

TOR= Top of Riser

GS= Ground Surface

Signature:

Scanned with CamScanner

APPENDIX H

Groundwater Well Sampling Laboratory Analytical Data Reports

ANALYTICAL REPORT

Lab Number:	L2450744
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	NMLNB Q3 2024 GW SAMPLING
Project Number:	00913
Report Date:	09/12/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Project Name: NMLNB Q3 2024 GW SAMPLING
Project Number: 00913

Lab Number: L2450744
Report Date: 09/12/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2450744-01	BR-01 (090424)	WATER	766 NEW BABCOCK ST. BUFFALO, NY	09/04/24 12:48	09/05/24
L2450744-02	BR-02 (090424)	WATER	766 NEW BABCOCK ST. BUFFALO, NY	09/04/24 16:12	09/05/24
L2450744-03	BR-02 (090424) DUPLICATE	WATER	766 NEW BABCOCK ST. BUFFALO, NY	09/04/24 16:14	09/05/24
L2450744-04	BR-03 (090424)	WATER	766 NEW BABCOCK ST. BUFFALO, NY	09/04/24 13:48	09/05/24
L2450744-05	BR-13 (090424)	WATER	766 NEW BABCOCK ST. BUFFALO, NY	09/04/24 11:50	09/05/24
L2450744-06	BR-15 (090424)	WATER	766 NEW BABCOCK ST. BUFFALO, NY	09/04/24 09:30	09/05/24
L2450744-07	TRIP BLANK (090424)	WATER	766 NEW BABCOCK ST. BUFFALO, NY	09/04/24 00:00	09/05/24

Project Name:	NMLNB Q3 2024 GW SAMPLING	**Lab Number:**	L2450744
Project Number:	00913	**Report Date:**	09/12/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	NMLNB Q3 2024 GW SAMPLING	**Lab Number:**	L2450744
Project Number:	00913	**Report Date:**	09/12/24

Case Narrative (continued)

Report Revision

September 12, 2024: The project name has been amended.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The WG1970371-7 MSD recovery, performed on L2450744-01, is outside the acceptance criteria for 1,1,1-trichloroethane (0%). The unacceptable percent recovery is attributed to the elevated concentrations of target compounds present in the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 09/12/24

ORGANICS

VOLATILES

Project Name: NMLNB Q3 2024 GW SAMPLING **Lab Number:** L2450744

Project Number: 00913 **Report Date:** 09/12/24

SAMPLE RESULTS

Lab ID: L2450744-01 D
Client ID: BR-01 (090424)
Sample Location: 766 NEW BABCOCK ST. BUFFALO, NY

Date Collected: 09/04/24 12:48
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 09/10/24 23:13
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	90		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	0.67	J	ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	230		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	1.6	J	ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	120		ug/l	2.0	0.14	2
Chloroethane	3.5	J	ug/l	5.0	1.4	2
1,1-Dichloroethene	2.4		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	1.8	J	ug/l	5.0	1.4	2
Trichloroethene	5.1		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: NMLNB Q3 2024 GW SAMPLING **Lab Number:** L2450744

Project Number: 00913 **Report Date:** 09/12/24

SAMPLE RESULTS

Lab ID: L2450744-01 D
Client ID: BR-01 (090424)
Sample Location: 766 NEW BABCOCK ST. BUFFALO, NY

Date Collected: 09/04/24 12:48
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	0.51	J	ug/l	5.0	0.33	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	220		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	20		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	107		70-130

Project Name: NMLNB Q3 2024 GW SAMPLING **Lab Number:** L2450744

Project Number: 00913 **Report Date:** 09/12/24

SAMPLE RESULTS

Lab ID: L2450744-02 D
Client ID: BR-02 (090424)
Sample Location: 766 NEW BABCOCK ST. BUFFALO, NY

Date Collected: 09/04/24 16:12
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 09/10/24 23:38
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	210		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	370		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	520		ug/l	10	0.71	10
Chloroethane	21	J	ug/l	25	7.0	10
1,1-Dichloroethene	6.4		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	3.2	J	ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: NMLNB Q3 2024 GW SAMPLING **Lab Number:** L2450744

Project Number: 00913 **Report Date:** 09/12/24

SAMPLE RESULTS

Lab ID: L2450744-02 D Date Collected: 09/04/24 16:12

Client ID: BR-02 (090424) Date Received: 09/05/24

Sample Location: 766 NEW BABCOCK ST. BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	1.7	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	920		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	55		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Project Name: NMLNB Q3 2024 GW SAMPLING **Lab Number:** L2450744

Project Number: 00913 **Report Date:** 09/12/24

SAMPLE RESULTS

Lab ID: L2450744-03 D
Client ID: BR-02 (090424) DUPLICATE
Sample Location: 766 NEW BABCOCK ST. BUFFALO, NY

Date Collected: 09/04/24 16:14
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 09/11/24 00:03
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	220		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	1.8	J	ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	370		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	530		ug/l	5.0	0.36	5
Chloroethane	18		ug/l	12	3.5	5
1,1-Dichloroethene	7.0		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	5.2	J	ug/l	12	3.5	5
Trichloroethene	3.3		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: NMLNB Q3 2024 GW SAMPLING **Lab Number:** L2450744

Project Number: 00913 **Report Date:** 09/12/24

SAMPLE RESULTS

Lab ID: L2450744-03 D
Client ID: BR-02 (090424) DUPLICATE
Sample Location: 766 NEW BABCOCK ST. BUFFALO, NY

Date Collected: 09/04/24 16:14
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	0.83	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	920		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	52		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	106		70-130

Project Name: NMLNB Q3 2024 GW SAMPLING **Lab Number:** L2450744

Project Number: 00913 **Report Date:** 09/12/24

SAMPLE RESULTS

Lab ID: L2450744-04
Client ID: BR-03 (090424)
Sample Location: 766 NEW BABCOCK ST. BUFFALO, NY

Date Collected: 09/04/24 13:48
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 09/10/24 12:37
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	3.4		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	5.3		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	2.8		ug/l	2.5	0.70	1
Vinyl chloride	3.2		ug/l	1.0	0.07	1
Chloroethane	2.6		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.34	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NMLNB Q3 2024 GW SAMPLING **Lab Number:** L2450744

Project Number: 00913 **Report Date:** 09/12/24

SAMPLE RESULTS

Lab ID: L2450744-04 Date Collected: 09/04/24 13:48

Client ID: BR-03 (090424) Date Received: 09/05/24

Sample Location: 766 NEW BABCOCK ST. BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	6.4		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	8.1		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	104		70-130

Project Name: NMLNB Q3 2024 GW SAMPLING **Lab Number:** L2450744

Project Number: 00913 **Report Date:** 09/12/24

SAMPLE RESULTS

Lab ID: L2450744-05
Client ID: BR-13 (090424)
Sample Location: 766 NEW BABCOCK ST. BUFFALO, NY

Date Collected: 09/04/24 11:50
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 09/10/24 13:03
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	7.8		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.25	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	0.93	J	ug/l	2.5	0.70	1
Vinyl chloride	2.6		ug/l	1.0	0.07	1
Chloroethane	1.2	J	ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	0.76	J	ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NMLNB Q3 2024 GW SAMPLING **Lab Number:** L2450744

Project Number: 00913 **Report Date:** 09/12/24

SAMPLE RESULTS

Lab ID: L2450744-05 Date Collected: 09/04/24 11:50

Client ID: BR-13 (090424) Date Received: 09/05/24

Sample Location: 766 NEW BABCOCK ST. BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	0.83	J	ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.9	J	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	3.4		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	103		70-130

Project Name: NMLNB Q3 2024 GW SAMPLING **Lab Number:** L2450744

Project Number: 00913 **Report Date:** 09/12/24

SAMPLE RESULTS

Lab ID: L2450744-06
Client ID: BR-15 (090424)
Sample Location: 766 NEW BABCOCK ST. BUFFALO, NY

Date Collected: 09/04/24 09:30
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 09/10/24 13:54
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	42		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	1.2		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	34		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	1.4	J	ug/l	2.5	0.70	1
Ethylbenzene	0.89	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	4.5		ug/l	1.0	0.07	1
Chloroethane	12		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	0.97	J	ug/l	2.5	0.70	1
Trichloroethene	0.80		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NMLNB Q3 2024 GW SAMPLING **Lab Number:** L2450744

Project Number: 00913 **Report Date:** 09/12/24

SAMPLE RESULTS

Lab ID: L2450744-06 Date Collected: 09/04/24 09:30

Client ID: BR-15 (090424) Date Received: 09/05/24

Sample Location: 766 NEW BABCOCK ST. BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	0.19	J	ug/l	2.5	0.17	1
p/m-Xylene	1.8	J	ug/l	2.5	0.70	1
o-Xylene	0.74	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	3.2		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.0	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.57	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	25		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	106		70-130

Project Name: NMLNB Q3 2024 GW SAMPLING **Lab Number:** L2450744

Project Number: 00913 **Report Date:** 09/12/24

SAMPLE RESULTS

Lab ID: L2450744-07
Client ID: TRIP BLANK (090424)
Sample Location: 766 NEW BABCOCK ST. BUFFALO, NY

Date Collected: 09/04/24 00:00
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 09/10/24 13:28
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NMLNB Q3 2024 GW SAMPLING **Lab Number:** L2450744

Project Number: 00913 **Report Date:** 09/12/24

SAMPLE RESULTS

Lab ID: L2450744-07 Date Collected: 09/04/24 00:00

Client ID: TRIP BLANK (090424) Date Received: 09/05/24

Sample Location: 766 NEW BABCOCK ST. BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	104		70-130

Project Name: NMLNB Q3 2024 GW SAMPLING **Lab Number:** L2450744

Project Number: 00913 **Report Date:** 09/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/10/24 12:12
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-07 Batch: WG1970082-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: NMLNB Q3 2024 GW SAMPLING **Lab Number:** L2450744

Project Number: 00913 **Report Date:** 09/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/10/24 12:12
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-07 Batch: WG1970082-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: NMLNB Q3 2024 GW SAMPLING **Lab Number:** L2450744

Project Number: 00913 **Report Date:** 09/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/10/24 12:12
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-07 Batch: WG1970082-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Project Name: NMLNB Q3 2024 GW SAMPLING **Lab Number:** L2450744

Project Number: 00913 **Report Date:** 09/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/10/24 21:34
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1970371-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: NMLNB Q3 2024 GW SAMPLING **Lab Number:** L2450744

Project Number: 00913 **Report Date:** 09/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/10/24 21:34
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1970371-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: NMLNB Q3 2024 GW SAMPLING **Lab Number:** L2450744

Project Number: 00913 **Report Date:** 09/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/10/24 21:34
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1970371-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NMLNB Q3 2024 GW SAMPLING
Project Number: 00913

Lab Number: L2450744
Report Date: 09/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 Batch: WG1970082-3 WG1970082-4								
Methylene chloride	110		100		70-130	10		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	110		100		63-132	10		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		110		70-130	10		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		110		75-130	10		20
Trichlorofluoromethane	110		100		62-150	10		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	100		110		67-130	10		20
trans-1,3-Dichloropropene	100		110		70-130	10		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
Bromoform	92		98		54-136	6		20
1,1,2,2-Tetrachloroethane	89		100		67-130	12		20
Benzene	110		110		70-130	0		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	120		110		64-130	9		20
Bromomethane	120		120		39-139	0		20
Vinyl chloride	110		110		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NMLNB Q3 2024 GW SAMPLING

Project Number: 00913

Lab Number: L2450744

Report Date: 09/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 Batch: WG1970082-3 WG1970082-4								
Chloroethane	98		100		55-138	2		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	110		100		70-130	10		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	100		110		63-130	10		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	110		115		70-130	4		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Styrene	115		110		70-130	4		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	100		93		58-148	7		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	97		98		63-138	1		20
4-Methyl-2-pentanone	91		98		59-130	7		20
2-Hexanone	94		95		57-130	1		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	100		110		70-130	10		20
1,2-Dibromo-3-chloropropane	90		98		41-144	9		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NMLNB Q3 2024 GW SAMPLING

Project Number: 00913

Lab Number: L2450744

Report Date: 09/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 Batch: WG1970082-3 WG1970082-4								
1,2,4-Trichlorobenzene	100		100		70-130	0		20
Methyl Acetate	99		100		70-130	1		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	106		108		56-162	2		20
Freon-113	110		100		70-130	10		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		104		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	102		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: NMLNB Q3 2024 GW SAMPLING

Project Number: 00913

Lab Number: L2450744

Report Date: 09/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1970371-3 WG1970371-4								
Methylene chloride	96		97		70-130	1		20
1,1-Dichloroethane	99		95		70-130	4		20
Chloroform	100		98		70-130	2		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	96		96		70-130	0		20
Dibromochloromethane	92		93		63-130	1		20
1,1,2-Trichloroethane	89		93		70-130	4		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	88		92		70-130	4		20
1,1,1-Trichloroethane	100		99		67-130	1		20
Bromodichloromethane	94		96		67-130	2		20
trans-1,3-Dichloropropene	85		84		70-130	1		20
cis-1,3-Dichloropropene	95		95		70-130	0		20
Bromoform	87		89		54-136	2		20
1,1,2,2-Tetrachloroethane	84		84		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	88		90		64-130	2		20
Bromomethane	120		120		39-139	0		20
Vinyl chloride	100		100		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NMLNB Q3 2024 GW SAMPLING

Project Number: 00913

Lab Number: L2450744

Report Date: 09/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1970371-3 WG1970371-4								
Chloroethane	100		84		55-138	17		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	97		99		70-130	2		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	86		88		63-130	2		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	94		92		36-147	2		20
Acetone	**52**	Q	**55**	Q	58-148	6		20
Carbon disulfide	100		98		51-130	2		20
2-Butanone	**59**	Q	66		63-138	11		20
4-Methyl-2-pentanone	65		69		59-130	6		20
2-Hexanone	**53**	Q	57		57-130	7		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	89		90		70-130	1		20
1,2-Dibromo-3-chloropropane	70		75		41-144	7		20
Isopropylbenzene	97		97		70-130	0		20
1,2,3-Trichlorobenzene	86		91		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NMLNB Q3 2024 GW SAMPLING

Project Number: 00913

Lab Number: L2450744

Report Date: 09/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1970371-3 WG1970371-4								
1,2,4-Trichlorobenzene	94		93		70-130	1		20
Methyl Acetate	**62**	Q	**67**	Q	70-130	8		20
Cyclohexane	90		90		70-130	0		20
1,4-Dioxane	72		78		56-162	8		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	98		95		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		90		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	85		87		70-130
Dibromofluoromethane	101		103		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: NMLNB Q3 2024 GW SAMPLING
Project Number: 00913
Lab Number: L2450744
Report Date: 09/12/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1970371-6 WG1970371-7 QC Sample: L2450744-01 Client ID: BR-01 (090424)												
Methylene chloride	ND	20	20	100		21	105		70-130	5		20
1,1-Dichloroethane	90	20	110	100		100	**50**	Q	70-130	10		20
Chloroform	ND	20	20	100		21	105		70-130	5		20
Carbon tetrachloride	ND	20	22	110		22	110		63-132	0		20
1,2-Dichloropropane	ND	20	19	95		20	100		70-130	5		20
Dibromochloromethane	ND	20	19	95		19	95		63-130	0		20
1,1,2-Trichloroethane	ND	20	18	90		19	95		70-130	5		20
Tetrachloroethene	0.67J	20	25	125		23	115		70-130	8		20
Chlorobenzene	ND	20	21	105		21	105		75-130	0		20
Trichlorofluoromethane	ND	20	23	115		22	110		62-150	4		20
1,2-Dichloroethane	ND	20	18	90		19	95		70-130	5		20
1,1,1-Trichloroethane	230	20	240	**50**	Q	230	**0**	Q	67-130	4		20
Bromodichloromethane	ND	20	20	100		20	100		67-130	0		20
trans-1,3-Dichloropropene	ND	20	17	85		18	90		70-130	6		20
cis-1,3-Dichloropropene	ND	20	19	95		19	95		70-130	0		20
Bromoform	ND	20	17	85		18	90		54-136	6		20
1,1,2,2-Tetrachloroethane	ND	20	17	85		18	90		67-130	6		20
Benzene	ND	20	21	105		22	110		70-130	5		20
Toluene	1.6J	20	22	110		22	110		70-130	0		20
Ethylbenzene	ND	20	21	105		21	105		70-130	0		20
Chloromethane	ND	20	19	95		20	100		64-130	5		20
Bromomethane	ND	20	19	95		21	105		39-139	10		20
Vinyl chloride	120	20	140	100		140	100		55-140	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: NMLNB Q3 2024 GW SAMPLING

Project Number: 00913

Lab Number: L2450744

Report Date: 09/12/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1970371-6 WG1970371-7 QC Sample: L2450744-01 Client ID: BR-01 (090424)												
Chloroethane	3.5J	20	28	**140**	Q	28	**140**	Q	55-138	0		20
1,1-Dichloroethene	2.4	20	24	108		24	108		61-145	0		20
trans-1,2-Dichloroethene	1.8J	20	24	120		24	120		70-130	0		20
Trichloroethene	5.1	20	26	105		26	105		70-130	0		20
1,2-Dichlorobenzene	ND	20	19	95		20	100		70-130	5		20
1,3-Dichlorobenzene	ND	20	20	100		21	105		70-130	5		20
1,4-Dichlorobenzene	ND	20	20	100		20	100		70-130	0		20
Methyl tert butyl ether	0.51J	20	18	90		19	95		63-130	5		20
p/m-Xylene	ND	40	44	110		44	110		70-130	0		20
o-Xylene	ND	40	43	108		43	108		70-130	0		20
cis-1,2-Dichloroethene	220	20	240	100		230	**50**	Q	70-130	4		20
Styrene	ND	40	41	103		41	103		70-130	0		20
Dichlorodifluoromethane	ND	20	21	105		20	100		36-147	5		20
Acetone	ND	20	14	70		15	75		58-148	7		20
Carbon disulfide	ND	20	22	110		22	110		51-130	0		20
2-Butanone	ND	20	13	65		13	65		63-138	0		20
4-Methyl-2-pentanone	ND	20	14	70		15	75		59-130	7		20
2-Hexanone	ND	20	11	**55**	Q	12	60		57-130	9		20
Bromochloromethane	ND	20	22	110		22	110		70-130	0		20
1,2-Dibromoethane	ND	20	18	90		19	95		70-130	5		20
1,2-Dibromo-3-chloropropane	ND	20	13	65		15	75		41-144	14		20
Isopropylbenzene	ND	20	20	100		20	100		70-130	0		20
1,2,3-Trichlorobenzene	ND	20	17	85		18	90		70-130	6		20

Matrix Spike Analysis

Batch Quality Control

Project Name: NMLNB Q3 2024 GW SAMPLING

Project Number: 00913

Lab Number: L2450744

Report Date: 09/12/24

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1970371-6 WG1970371-7 QC Sample: L2450744-01 Client ID: BR-01 (090424)												
1,2,4-Trichlorobenzene	ND	20	17	85		19	95		70-130	11		20
Methyl Acetate	ND	20	12	**60**	Q	13	**65**	Q	70-130	8		20
Cyclohexane	ND	20	21	105		19J	95		70-130	10		20
1,4-Dioxane	ND	1000	780	78		800	80		56-162	3		20
Freon-113	20	20	43	115		38	90		70-130	12		20
Methyl cyclohexane	ND	20	21	105		20	100		70-130	5		20

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1,2-Dichloroethane-d4	89		89		70-130
4-Bromofluorobenzene	87		87		70-130
Dibromofluoromethane	101		100		70-130
Toluene-d8	96		95		70-130

Project Name: NMLNB Q3 2024 GW SAMPLING
Project Number: 00913

Lab Number: L2450744
Report Date: 09/12/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2450744-01A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-01A1	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-01A2	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-01B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-01B1	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-01B2	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-01C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-01C1	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-01C2	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-02A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-02B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-02C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-03A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-03B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-03C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-04A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-04B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-04C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-05A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-05B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-05C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-06A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: NMLNB Q3 2024 GW SAMPLING
Project Number: 00913

Lab Number: L2450744
Report Date: 09/12/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2450744-06B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-06C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-07A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-07B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L2450744-07C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	NMLNB Q3 2024 GW SAMPLING	**Lab Number:**	L2450744
Project Number:	00913	**Report Date:**	09/12/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	NMLNB Q3 2024 GW SAMPLING	**Lab Number:**	L2450744
Project Number:	00913	**Report Date:**	09/12/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	NMLNB Q3 2024 GW SAMPLING	**Lab Number:**	L2450744
Project Number:	00913	**Report Date:**	09/12/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	NMLNB Q3 2024 GW SAMPLING	**Lab Number:**	L2450744
Project Number:	00913	**Report Date:**	09/12/24

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

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

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

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Serial_No:09122414:33

L2450744 12SEP24

ENVADVANTAGE

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 9/6/24

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Env. Advantage, Inc.
Address: 3636 N. Buffalo Rd.
Orchard Park NY 14127
Phone: 716-667-3130
Fax: 716-667-3156
Email: mhanna@envadvantage.com

Project Information

Project Name: NMLnb Q2 2024 GW Sampling
Project Location: 766 New Babcock St. Buffalo, NY
Project #: 00913
(Use Project name as Project #) ☐
Project Manager: Mark Hanna + Mary Szustak
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Billing Information

☒ Same as Client Info
PO # 00913

Regulatory Requirement

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

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please also email labresults@envadvantage.com

Please specify Metals or TAL.

ANALYSIS

TCL VOCs 8260

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs 8260	Sample Specific Comments	Total # Bottles
50744-01	BR-01(090424)	09/04/24	12:48	GW	CS	X		3
01	BR-01(090424)MS	09/04/24	12:51	GW	CS	X		3
01	BR-01(090424)MSD	09/04/24	12:54	GW	CS	X		3
02	BR-02(090424)	09/04/24	16:12	GW	CS	X		3
03	BR-02(090424)Duplicate	09/04/24	16:14	GW	CS	X		3
04	BR-03(090424)	09/04/24	13:48	GW	CS	X		3
0		09/04/24		GW	CS			
05	BR-13(090424)	09/04/24	11:50	GW	CS	X		3
06	BR-15(090424)	09/04/24	9:30	GW	CS	X		3
07	Trip Blank(090424)	09/04/24	12:38	GW	CS	X		2

Container Type: V
Preservative: B

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Colli Snyder	9/5/24 14:05	PACE	9/5/24 1405
PACE	9/5/24 1530	BUFFALO SERVICE CENTER	
Russell R. Bixby	9/5/24 1513		9-5-24
	9-5-24 0180		916 0130

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

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

1/1

ANALYTICAL REPORT

Lab Number:	L2471665
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	NMLNB Q4 2024 GW SAMPLING
Project Number:	00913
Report Date:	12/12/24

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Project Name: NMLNB Q4 2024 GW SAMPLING
Project Number: 00913

Lab Number: L2471665
Report Date: 12/12/24

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2471665-01	BR-01 (120424)	WATER	766 NEW BABCOCK ST. BUFFALO NY	12/04/24 11:26	12/06/24
L2471665-02	BR-02 (120424)	WATER	766 NEW BABCOCK ST. BUFFALO NY	12/04/24 10:50	12/06/24
L2471665-03	BR-02 (120424) DUPLICATE	WATER	766 NEW BABCOCK ST. BUFFALO NY	12/04/24 10:50	12/06/24
L2471665-04	BR-03 (120424)	WATER	766 NEW BABCOCK ST. BUFFALO NY	12/04/24 12:00	12/06/24
L2471665-05	BR-13 (120424)	WATER	766 NEW BABCOCK ST. BUFFALO NY	12/04/24 13:50	12/06/24
L2471665-06	BR-15 (120424)	WATER	766 NEW BABCOCK ST. BUFFALO NY	12/04/24 15:45	12/06/24
L2471665-07	TRIP BLANK (120424)	WATER	766 NEW BABCOCK ST. BUFFALO NY	12/04/24 15:20	12/06/24

Project Name:	NMLNB Q4 2024 GW SAMPLING	**Lab Number:**	L2471665
Project Number:	00913	**Report Date:**	12/12/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	NMLNB Q4 2024 GW SAMPLING	**Lab Number:**	L2471665
Project Number:	00913	**Report Date:**	12/12/24

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly O'Neill

Title: Technical Director/Representative Date: 12/12/24

ORGANICS

VOLATILES

Project Name: NMLNB Q4 2024 GW SAMPLING **Lab Number:** L2471665

Project Number: 00913 **Report Date:** 12/12/24

SAMPLE RESULTS

Lab ID: L2471665-01 D
Client ID: BR-01 (120424)
Sample Location: 766 NEW BABCOCK ST. BUFFALO NY

Date Collected: 12/04/24 11:26
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/11/24 23:47
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	64		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	0.46	J	ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	92		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	140		ug/l	2.0	0.14	2
Chloroethane	24		ug/l	5.0	1.4	2
1,1-Dichloroethene	1.4		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	1.5	J	ug/l	5.0	1.4	2
Trichloroethene	2.2		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: NMLNB Q4 2024 GW SAMPLING **Lab Number:** L2471665

Project Number: 00913 **Report Date:** 12/12/24

SAMPLE RESULTS

Lab ID: L2471665-01 D
Client ID: BR-01 (120424)
Sample Location: 766 NEW BABCOCK ST. BUFFALO NY

Date Collected: 12/04/24 11:26
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	0.36	J	ug/l	5.0	0.33	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	200		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	22		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	79		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	94		70-130

Project Name: NMLNB Q4 2024 GW SAMPLING **Lab Number:** L2471665

Project Number: 00913 **Report Date:** 12/12/24

SAMPLE RESULTS

Lab ID: L2471665-02 D
Client ID: BR-02 (120424)
Sample Location: 766 NEW BABCOCK ST. BUFFALO NY

Date Collected: 12/04/24 10:50
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/11/24 23:25
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	10	2.8	4
1,1-Dichloroethane	140		ug/l	10	2.8	4
Chloroform	ND		ug/l	10	2.8	4
Carbon tetrachloride	ND		ug/l	2.0	0.54	4
1,2-Dichloropropane	ND		ug/l	4.0	0.55	4
Dibromochloromethane	ND		ug/l	2.0	0.60	4
1,1,2-Trichloroethane	ND		ug/l	6.0	2.0	4
Tetrachloroethene	2.0		ug/l	2.0	0.72	4
Chlorobenzene	ND		ug/l	10	2.8	4
Trichlorofluoromethane	ND		ug/l	10	2.8	4
1,2-Dichloroethane	ND		ug/l	2.0	0.53	4
1,1,1-Trichloroethane	310		ug/l	10	2.8	4
Bromodichloromethane	ND		ug/l	2.0	0.77	4
trans-1,3-Dichloropropene	ND		ug/l	2.0	0.66	4
cis-1,3-Dichloropropene	ND		ug/l	2.0	0.58	4
Bromoform	ND		ug/l	8.0	2.6	4
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	0.67	4
Benzene	ND		ug/l	2.0	0.64	4
Toluene	ND		ug/l	10	2.8	4
Ethylbenzene	ND		ug/l	10	2.8	4
Chloromethane	ND		ug/l	10	2.8	4
Bromomethane	ND		ug/l	10	2.8	4
Vinyl chloride	260		ug/l	4.0	0.28	4
Chloroethane	21		ug/l	10	2.8	4
1,1-Dichloroethene	4.7		ug/l	2.0	0.68	4
trans-1,2-Dichloroethene	ND		ug/l	10	2.8	4
Trichloroethene	6.1		ug/l	2.0	0.70	4
1,2-Dichlorobenzene	ND		ug/l	10	2.8	4

Project Name: NMLNB Q4 2024 GW SAMPLING **Lab Number:** L2471665

Project Number: 00913 **Report Date:** 12/12/24

SAMPLE RESULTS

Lab ID: L2471665-02 D Date Collected: 12/04/24 10:50

Client ID: BR-02 (120424) Date Received: 12/06/24

Sample Location: 766 NEW BABCOCK ST. BUFFALO NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	10	2.8	4
1,4-Dichlorobenzene	ND		ug/l	10	2.8	4
Methyl tert butyl ether	ND		ug/l	10	0.66	4
p/m-Xylene	ND		ug/l	10	2.8	4
o-Xylene	ND		ug/l	10	2.8	4
cis-1,2-Dichloroethene	440		ug/l	10	2.8	4
Styrene	ND		ug/l	10	2.8	4
Dichlorodifluoromethane	ND		ug/l	20	4.0	4
Acetone	ND		ug/l	20	5.8	4
Carbon disulfide	ND		ug/l	20	4.0	4
2-Butanone	ND		ug/l	20	7.8	4
4-Methyl-2-pentanone	ND		ug/l	20	4.0	4
2-Hexanone	ND		ug/l	20	4.0	4
Bromochloromethane	ND		ug/l	10	2.8	4
1,2-Dibromoethane	ND		ug/l	8.0	2.6	4
1,2-Dibromo-3-chloropropane	ND		ug/l	10	2.8	4
Isopropylbenzene	ND		ug/l	10	2.8	4
1,2,3-Trichlorobenzene	ND		ug/l	10	2.8	4
1,2,4-Trichlorobenzene	ND		ug/l	10	2.8	4
Methyl Acetate	ND		ug/l	8.0	0.94	4
Cyclohexane	ND		ug/l	40	1.1	4
1,4-Dioxane	ND		ug/l	1000	240	4
Freon-113	54		ug/l	10	2.8	4
Methyl cyclohexane	ND		ug/l	40	1.6	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	80		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: NMLNB Q4 2024 GW SAMPLING **Lab Number:** L2471665

Project Number: 00913 **Report Date:** 12/12/24

SAMPLE RESULTS

Lab ID: L2471665-03 D
Client ID: BR-02 (120424) DUPLICATE
Sample Location: 766 NEW BABCOCK ST. BUFFALO NY

Date Collected: 12/04/24 10:50
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/11/24 23:02
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	10	2.8	4
1,1-Dichloroethane	130		ug/l	10	2.8	4
Chloroform	ND		ug/l	10	2.8	4
Carbon tetrachloride	ND		ug/l	2.0	0.54	4
1,2-Dichloropropane	ND		ug/l	4.0	0.55	4
Dibromochloromethane	ND		ug/l	2.0	0.60	4
1,1,2-Trichloroethane	ND		ug/l	6.0	2.0	4
Tetrachloroethene	2.1		ug/l	2.0	0.72	4
Chlorobenzene	ND		ug/l	10	2.8	4
Trichlorofluoromethane	ND		ug/l	10	2.8	4
1,2-Dichloroethane	ND		ug/l	2.0	0.53	4
1,1,1-Trichloroethane	300		ug/l	10	2.8	4
Bromodichloromethane	ND		ug/l	2.0	0.77	4
trans-1,3-Dichloropropene	ND		ug/l	2.0	0.66	4
cis-1,3-Dichloropropene	ND		ug/l	2.0	0.58	4
Bromoform	ND		ug/l	8.0	2.6	4
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	0.67	4
Benzene	ND		ug/l	2.0	0.64	4
Toluene	ND		ug/l	10	2.8	4
Ethylbenzene	ND		ug/l	10	2.8	4
Chloromethane	ND		ug/l	10	2.8	4
Bromomethane	ND		ug/l	10	2.8	4
Vinyl chloride	250		ug/l	4.0	0.28	4
Chloroethane	22		ug/l	10	2.8	4
1,1-Dichloroethene	4.8		ug/l	2.0	0.68	4
trans-1,2-Dichloroethene	ND		ug/l	10	2.8	4
Trichloroethene	6.0		ug/l	2.0	0.70	4
1,2-Dichlorobenzene	ND		ug/l	10	2.8	4

Project Name: NMLNB Q4 2024 GW SAMPLING **Lab Number:** L2471665

Project Number: 00913 **Report Date:** 12/12/24

SAMPLE RESULTS

Lab ID: L2471665-03 D
Client ID: BR-02 (120424) DUPLICATE
Sample Location: 766 NEW BABCOCK ST. BUFFALO NY

Date Collected: 12/04/24 10:50
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	10	2.8	4
1,4-Dichlorobenzene	ND		ug/l	10	2.8	4
Methyl tert butyl ether	ND		ug/l	10	0.66	4
p/m-Xylene	ND		ug/l	10	2.8	4
o-Xylene	ND		ug/l	10	2.8	4
cis-1,2-Dichloroethene	430		ug/l	10	2.8	4
Styrene	ND		ug/l	10	2.8	4
Dichlorodifluoromethane	ND		ug/l	20	4.0	4
Acetone	ND		ug/l	20	5.8	4
Carbon disulfide	ND		ug/l	20	4.0	4
2-Butanone	ND		ug/l	20	7.8	4
4-Methyl-2-pentanone	ND		ug/l	20	4.0	4
2-Hexanone	ND		ug/l	20	4.0	4
Bromochloromethane	ND		ug/l	10	2.8	4
1,2-Dibromoethane	ND		ug/l	8.0	2.6	4
1,2-Dibromo-3-chloropropane	ND		ug/l	10	2.8	4
Isopropylbenzene	ND		ug/l	10	2.8	4
1,2,3-Trichlorobenzene	ND		ug/l	10	2.8	4
1,2,4-Trichlorobenzene	ND		ug/l	10	2.8	4
Methyl Acetate	ND		ug/l	8.0	0.94	4
Cyclohexane	ND		ug/l	40	1.1	4
1,4-Dioxane	ND		ug/l	1000	240	4
Freon-113	52		ug/l	10	2.8	4
Methyl cyclohexane	ND		ug/l	40	1.6	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	78		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	95		70-130

Project Name: NMLNB Q4 2024 GW SAMPLING **Lab Number:** L2471665

Project Number: 00913 **Report Date:** 12/12/24

SAMPLE RESULTS

Lab ID: L2471665-04
Client ID: BR-03 (120424)
Sample Location: 766 NEW BABCOCK ST. BUFFALO NY

Date Collected: 12/04/24 12:00
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/11/24 22:40
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	0.77	J	ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	2.2	J	ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NMLNB Q4 2024 GW SAMPLING **Lab Number:** L2471665

Project Number: 00913 **Report Date:** 12/12/24

SAMPLE RESULTS

Lab ID: L2471665-04 Date Collected: 12/04/24 12:00

Client ID: BR-03 (120424) Date Received: 12/06/24

Sample Location: 766 NEW BABCOCK ST. BUFFALO NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.9	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	78		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	93		70-130

Project Name: NMLNB Q4 2024 GW SAMPLING **Lab Number:** L2471665

Project Number: 00913 **Report Date:** 12/12/24

SAMPLE RESULTS

Lab ID: L2471665-05 Date Collected: 12/04/24 13:50
Client ID: BR-13 (120424) Date Received: 12/06/24
Sample Location: 766 NEW BABCOCK ST. BUFFALO NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/11/24 22:18
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	33		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.37	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	15		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	62		ug/l	1.0	0.07	1
Chloroethane	17		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.20	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.3	J	ug/l	2.5	0.70	1
Trichloroethene	0.21	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NMLNB Q4 2024 GW SAMPLING **Lab Number:** L2471665

Project Number: 00913 **Report Date:** 12/12/24

SAMPLE RESULTS

Lab ID: L2471665-05 Date Collected: 12/04/24 13:50

Client ID: BR-13 (120424) Date Received: 12/06/24

Sample Location: 766 NEW BABCOCK ST. BUFFALO NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	0.83	J	ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	43		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	8.8		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	77		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	92		70-130

Project Name: NMLNB Q4 2024 GW SAMPLING **Lab Number:** L2471665

Project Number: 00913 **Report Date:** 12/12/24

SAMPLE RESULTS

Lab ID: L2471665-06 D
Client ID: BR-15 (120424)
Sample Location: 766 NEW BABCOCK ST. BUFFALO NY

Date Collected: 12/04/24 15:45
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/11/24 21:55
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	230		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	2.8		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	220		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	6.7	J	ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	510		ug/l	5.0	0.36	5
Chloroethane	120		ug/l	12	3.5	5
1,1-Dichloroethene	2.8		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	6.2	J	ug/l	12	3.5	5
Trichloroethene	2.1	J	ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: NMLNB Q4 2024 GW SAMPLING **Lab Number:** L2471665

Project Number: 00913 **Report Date:** 12/12/24

SAMPLE RESULTS

Lab ID: L2471665-06 D
Client ID: BR-15 (120424)
Sample Location: 766 NEW BABCOCK ST. BUFFALO NY

Date Collected: 12/04/24 15:45
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	0.83	5
p/m-Xylene	4.4	J	ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	720		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	70		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	76		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Project Name: NMLNB Q4 2024 GW SAMPLING **Lab Number:** L2471665

Project Number: 00913 **Report Date:** 12/12/24

SAMPLE RESULTS

Lab ID: L2471665-07
Client ID: TRIP BLANK (120424)
Sample Location: 766 NEW BABCOCK ST. BUFFALO NY

Date Collected: 12/04/24 15:20
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/11/24 21:33
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NMLNB Q4 2024 GW SAMPLING **Lab Number:** L2471665

Project Number: 00913 **Report Date:** 12/12/24

SAMPLE RESULTS

Lab ID: L2471665-07 Date Collected: 12/04/24 15:20

Client ID: TRIP BLANK (120424) Date Received: 12/06/24

Sample Location: 766 NEW BABCOCK ST. BUFFALO NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	74		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	91		70-130

Project Name: NMLNB Q4 2024 GW SAMPLING **Lab Number:** L2471665

Project Number: 00913 **Report Date:** 12/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/11/24 20:57
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG2008507-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: NMLNB Q4 2024 GW SAMPLING **Lab Number:** L2471665

Project Number: 00913 **Report Date:** 12/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/11/24 20:57
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG2008507-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: NMLNB Q4 2024 GW SAMPLING
Project Number: 00913
Lab Number: L2471665
Report Date: 12/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/11/24 20:57
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG2008507-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	77		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NMLNB Q4 2024 GW SAMPLING
Project Number: 00913

Lab Number: L2471665
Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG2008507-3 WG2008507-4								
Methylene chloride	93		90		70-130	3		20
1,1-Dichloroethane	86		83		70-130	4		20
Chloroform	87		85		70-130	2		20
Carbon tetrachloride	82		80		63-132	2		20
1,2-Dichloropropane	87		86		70-130	1		20
Dibromochloromethane	92		87		63-130	6		20
1,1,2-Trichloroethane	100		94		70-130	6		20
Tetrachloroethene	100		96		70-130	4		20
Chlorobenzene	99		93		75-130	6		20
Trichlorofluoromethane	74		72		62-150	3		20
1,2-Dichloroethane	76		74		70-130	3		20
1,1,1-Trichloroethane	84		82		67-130	2		20
Bromodichloromethane	83		80		67-130	4		20
trans-1,3-Dichloropropene	88		83		70-130	6		20
cis-1,3-Dichloropropene	90		87		70-130	3		20
Bromoform	91		83		54-136	9		20
1,1,2,2-Tetrachloroethane	100		94		67-130	6		20
Benzene	97		94		70-130	3		20
Toluene	100		94		70-130	6		20
Ethylbenzene	100		94		70-130	6		20
Chloromethane	79		76		64-130	4		20
Bromomethane	120		110		39-139	9		20
Vinyl chloride	87		84		55-140	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NMLNB Q4 2024 GW SAMPLING
Project Number: 00913

Lab Number: L2471665
Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG2008507-3 WG2008507-4								
Chloroethane	95		88		55-138	8		20
1,1-Dichloroethene	99		89		61-145	11		20
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	91		90		70-130	1		20
1,2-Dichlorobenzene	110		96		70-130	14		20
1,3-Dichlorobenzene	110		98		70-130	12		20
1,4-Dichlorobenzene	110		95		70-130	15		20
Methyl tert butyl ether	85		85		63-130	0		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	100		96		70-130	4		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	64		62		36-147	3		20
Acetone	84		87		58-148	4		20
Carbon disulfide	92		83		51-130	10		20
2-Butanone	98		93		63-138	5		20
4-Methyl-2-pentanone	80		77		59-130	4		20
2-Hexanone	88		84		57-130	5		20
Bromochloromethane	100		99		70-130	1		20
1,2-Dibromoethane	97		92		70-130	5		20
1,2-Dibromo-3-chloropropane	92		83		41-144	10		20
Isopropylbenzene	110		96		70-130	14		20
1,2,3-Trichlorobenzene	100		92		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NMLNB Q4 2024 GW SAMPLING
Project Number: 00913

Lab Number: L2471665
Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG2008507-3 WG2008507-4								
1,2,4-Trichlorobenzene	100		93		70-130	7		20
Methyl Acetate	90		90		70-130	0		20
Cyclohexane	88		86		70-130	2		20
1,4-Dioxane	102		102		56-162	0		20
Freon-113	93		84		70-130	10		20
Methyl cyclohexane	96		94		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	75		75		70-130
Toluene-d8	101		99		70-130
4-Bromofluorobenzene	99		96		70-130
Dibromofluoromethane	91		91		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: NMLNB Q4 2024 GW SAMPLING
Project Number: 00913
Lab Number: L2471665
Report Date: 12/12/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG2008507-6 WG2008507-7 QC Sample: L2471665-01 Client ID: BR-01 (120424)												
Methylene chloride	ND	20	20	100		20	100		70-130	0		20
1,1-Dichloroethane	64	20	79	75		82	90		70-130	4		20
Chloroform	ND	20	20	100		20	100		70-130	0		20
Carbon tetrachloride	ND	20	20	100		21	105		63-132	5		20
1,2-Dichloropropane	ND	20	18	90		19	95		70-130	5		20
Dibromochloromethane	ND	20	19	95		20	100		63-130	5		20
1,1,2-Trichloroethane	ND	20	19	95		20	100		70-130	5		20
Tetrachloroethene	0.46J	20	24	120		25	125		70-130	4		20
Chlorobenzene	ND	20	20	100		21	105		75-130	5		20
Trichlorofluoromethane	ND	20	20	100		21	105		62-150	5		20
1,2-Dichloroethane	ND	20	18	90		18	90		70-130	0		20
1,1,1-Trichloroethane	92	20	120	**140**	Q	120	**140**	Q	67-130	0		20
Bromodichloromethane	ND	20	18	90		19	95		67-130	5		20
trans-1,3-Dichloropropene	ND	20	16	80		17	85		70-130	6		20
cis-1,3-Dichloropropene	ND	20	17	85		17	85		70-130	0		20
Bromoform	ND	20	17	85		18	90		54-136	6		20
1,1,2,2-Tetrachloroethane	ND	20	18	90		19	95		67-130	5		20
Benzene	ND	20	20	100		21	105		70-130	5		20
Toluene	ND	20	21	105		22	110		70-130	5		20
Ethylbenzene	ND	20	20	100		21	105		70-130	5		20
Chloromethane	ND	20	18	90		20	100		64-130	11		20
Bromomethane	ND	20	20	100		24	120		39-139	18		20
Vinyl chloride	140	20	150	**50**	Q	160	100		55-140	6		20

Matrix Spike Analysis
Batch Quality Control

Project Name: NMLNB Q4 2024 GW SAMPLING
Project Number: 00913

Lab Number: L2471665
Report Date: 12/12/24

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG2008507-6 WG2008507-7 QC Sample: L2471665-01 Client ID: BR-01 (120424)												
Chloroethane	24	20	43	95		46	110		55-138	7		20
1,1-Dichloroethene	1.4	20	22	103		25	118		61-145	13		20
trans-1,2-Dichloroethene	1.5J	20	23	115		24	120		70-130	4		20
Trichloroethene	2.2	20	23	104		24	109		70-130	4		20
1,2-Dichlorobenzene	ND	20	21	105		21	105		70-130	0		20
1,3-Dichlorobenzene	ND	20	21	105		22	110		70-130	5		20
1,4-Dichlorobenzene	ND	20	20	100		21	105		70-130	5		20
Methyl tert butyl ether	0.36J	20	17	85		18	90		63-130	6		20
p/m-Xylene	ND	40	42	105		44	110		70-130	5		20
o-Xylene	ND	40	42	105		44	110		70-130	5		20
cis-1,2-Dichloroethene	200	20	230	**150**	Q	230	**150**	Q	70-130	0		20
Styrene	ND	40	40	100		41	103		70-130	2		20
Dichlorodifluoromethane	ND	20	14	70		16	80		36-147	13		20
Acetone	ND	20	21	105		21	105		58-148	0		20
Carbon disulfide	ND	20	19	95		21	105		51-130	10		20
2-Butanone	ND	20	22	110		22	110		63-138	0		20
4-Methyl-2-pentanone	ND	20	15	75		16	80		59-130	6		20
2-Hexanone	ND	20	17	85		18	90		57-130	6		20
Bromochloromethane	ND	20	23	115		23	115		70-130	0		20
1,2-Dibromoethane	ND	20	19	95		20	100		70-130	5		20
1,2-Dibromo-3-chloropropane	ND	20	17	85		18	90		41-144	6		20
Isopropylbenzene	ND	20	19	95		21	105		70-130	10		20
1,2,3-Trichlorobenzene	ND	20	19	95		21	105		70-130	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: NMLNB Q4 2024 GW SAMPLING
Project Number: 00913
Lab Number: L2471665
Report Date: 12/12/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG2008507-6 WG2008507-7 QC Sample: L2471665-01 Client ID: BR-01 (120424)												
1,2,4-Trichlorobenzene	ND	20	19	95		20	100		70-130	5		20
Methyl Acetate	ND	20	18	90		19	95		70-130	5		20
Cyclohexane	ND	20	20	100		22	110		70-130	10		20
1,4-Dioxane	ND	1000	1000	100		950	95		56-162	5		20
Freon-113	22	20	42	100		46	120		70-130	9		20
Methyl cyclohexane	ND	20	20	100		22	110		70-130	10		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		83		70-130
4-Bromofluorobenzene	87		89		70-130
Dibromofluoromethane	98		97		70-130
Toluene-d8	96		96		70-130

Project Name: NMLNB Q4 2024 GW SAMPLING
Project Number: 00913

Lab Number: L2471665
Report Date: 12/12/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2471665-01A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-01A1	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-01A2	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-01B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-01B1	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-01B2	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-01C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-01C1	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-01C2	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-02A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-02B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-02C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-03A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-03B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-03C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-04A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-04B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-04C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-05A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-05B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-05C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-06A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: NMLNB Q4 2024 GW SAMPLING
Project Number: 00913

Lab Number: L2471665
Report Date: 12/12/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2471665-06B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-06C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-07A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2471665-07B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	NMLNB Q4 2024 GW SAMPLING	**Lab Number:**	L2471665
Project Number:	00913	**Report Date:**	12/12/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	NMLNB Q4 2024 GW SAMPLING	**Lab Number:**	L2471665
Project Number:	00913	**Report Date:**	12/12/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	NMLNB Q4 2024 GW SAMPLING	**Lab Number:**	L2471665
Project Number:	00913	**Report Date:**	12/12/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: NMLNB Q4 2024 GW SAMPLING
Project Number: 00913
Lab Number: L2471665
Report Date: 12/12/24

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Project Manager.

Serial_No:12122419:20

L2471665 13DEC24
ENVADVANTAGE

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab 12/7/24

Client Information

Client: Env. Advantage, Inc.
Address: 3636 N. Buffalo Rd.
Orchard Park, NY 14127
Phone: (716) 667-3130
Fax: (716) 667-3156
Email: mhanna@envadvantage.com

Project Information

Project Name: UMinb Q4 2024 GW Sampling
Project Location: 7606 New Babcock St. Buffalo, NY
Project # 00913
(Use Project name as Project #) ☐
Project Manager: Mark Hanna + Mary Szustak
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Billing Information

☒ Same as Client Info
PO # 00913

Regulatory Requirement

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

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please also email results to labresults@envadvantage.com

Please specify Metals or TAL.

ANALYSIS

TCL VOCs 8260

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs 8260	Sample Specific Comments	Total Bottle
71665-01	BR-01 (120424)	12/4/24	11:26	GW	CS	X		3
↓	BR-01 (120424) MS	12/4/24	11:26	GW	CS	X		3
	BR-01 (120424) MSD	12/4/24	11:26	GW	CS	X		3
-02	BR-02 (120424)	12/4/24	10:50	GW	CS	X		3
-03	BR-02 (120424) duplicate	12/4/24	10:50	GW	CS	X		3
-04	BR-03 (120424)	12/4/24	12:00	GW	CS	X		3
-05	BR-13 (120424)	12/4/24	13:50	GW	CS	X		3
-06	BR-15 (120424)	12/4/24	15:45	GW	CS	X		3
-07	Trip Blank (120424)	12/4/24	15:20	GW	CS	X		2

Container Type: V
Preservative: B

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Collin Snyder	12/6/24 15:00	Romeo Mail Pace	12-6-24 15:00
Romeo Mail Pace	12-6-24 1550	Buffalo Service Center	12-6-24 1550
Russell B Bisby	12-6-24/16:24		12/07/24 0700

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

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

ANALYTICAL REPORT

Lab Number:	L2512227
Client:	Matrix Environmental Technologies 3730 California Road Orchard Park, NY 14127
ATTN:	Mary Szustak
Phone:	(716) 662-0745
Project Name:	NML NEW BABCOCK Q1 2025 GW
Project Number:	20-003
Report Date:	03/13/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003

Lab Number: L2512227
Report Date: 03/13/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2512227-01	BR-01 (030525)	WATER	766 NEW BABCOCK ST, BUFFALO, NY	03/05/25 11:15	03/05/25
L2512227-02	BR-02 (030525)	WATER	766 NEW BABCOCK ST, BUFFALO, NY	03/05/25 11:30	03/05/25
L2512227-03	BR-02 (030525) DUPLICATE	WATER	766 NEW BABCOCK ST, BUFFALO, NY	03/05/25 11:30	03/05/25
L2512227-04	BR-03 (030525)	WATER	766 NEW BABCOCK ST, BUFFALO, NY	03/05/25 12:17	03/05/25
L2512227-05	BR-13 (030525)	WATER	766 NEW BABCOCK ST, BUFFALO, NY	03/05/25 13:00	03/05/25
L2512227-06	BR-15 (030525)	WATER	766 NEW BABCOCK ST, BUFFALO, NY	03/05/25 13:40	03/05/25
L2512227-07	TRIP BLANK (030525)	WATER	766 NEW BABCOCK ST, BUFFALO, NY	03/05/25 00:00	03/05/25

Project Name:	NML NEW BABCOCK Q1 2025 GW	**Lab Number:**	L2512227
Project Number:	20-003	**Report Date:**	03/13/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	NML NEW BABCOCK Q1 2025 GW	**Lab Number:**	L2512227
Project Number:	20-003	**Report Date:**	03/13/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The WG2039675-6/-7 MS/MSD recoveries performed on L2512227-01 are outside the acceptance criteria for 1,1,1-trichloroethane (MSD 0%) and cis-1,2-dichloroethene (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 03/13/25

ORGANICS

VOLATILES

Project Name: NML NEW BABCOCK Q1 2025 GW
Lab Number: L2512227
Project Number: 20-003
Report Date: 03/13/25

SAMPLE RESULTS

Lab ID: L2512227-01 D
Client ID: BR-01 (030525)
Sample Location: 766 NEW BABCOCK ST, BUFFALO, NY
Date Collected: 03/05/25 11:15
Date Received: 03/05/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 16:47
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	110		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	0.92	J	ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	210		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	ND		ug/l	6.2	1.8	2.5
Ethylbenzene	ND		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	110		ug/l	2.5	0.18	2.5
Chloroethane	6.8		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	3.0		ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5
Trichloroethene	11		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5

Project Name: NML NEW BABCOCK Q1 2025 GW **Lab Number:** L2512227

Project Number: 20-003 **Report Date:** 03/13/25

SAMPLE RESULTS

Lab ID: L2512227-01 D
Client ID: BR-01 (030525)
Sample Location: 766 NEW BABCOCK ST, BUFFALO, NY

Date Collected: 03/05/25 11:15
Date Received: 03/05/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	0.42	2.5
p/m-Xylene	ND		ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	340		ug/l	6.2	1.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	4.4	J	ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl Acetate	ND		ug/l	5.0	0.58	2.5
Cyclohexane	ND		ug/l	25	0.68	2.5
1,4-Dioxane	ND		ug/l	620	150	2.5
Freon-113	17		ug/l	6.2	1.8	2.5
Methyl cyclohexane	ND		ug/l	25	0.99	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: NML NEW BABCOCK Q1 2025 GW
Lab Number: L2512227
Project Number: 20-003
Report Date: 03/13/25

SAMPLE RESULTS

Lab ID: L2512227-02 D
Client ID: BR-02 (030525)
Sample Location: 766 NEW BABCOCK ST, BUFFALO, NY

Date Collected: 03/05/25 11:30
Date Received: 03/05/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 17:14
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	200		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	2.2	J	ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	390		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	350		ug/l	10	0.71	10
Chloroethane	22	J	ug/l	25	7.0	10
1,1-Dichloroethene	7.1		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	6.8		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: NML NEW BABCOCK Q1 2025 GW **Lab Number:** L2512227

Project Number: 20-003 **Report Date:** 03/13/25

SAMPLE RESULTS

Lab ID: L2512227-02 D
Client ID: BR-02 (030525)
Sample Location: 766 NEW BABCOCK ST, BUFFALO, NY

Date Collected: 03/05/25 11:30
Date Received: 03/05/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	1.7	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	740		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	56		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: NML NEW BABCOCK Q1 2025 GW
Lab Number: L2512227
Project Number: 20-003
Report Date: 03/13/25

SAMPLE RESULTS

Lab ID: L2512227-03 D
Client ID: BR-02 (030525) DUPLICATE
Sample Location: 766 NEW BABCOCK ST, BUFFALO, NY

Date Collected: 03/05/25 11:30
Date Received: 03/05/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 17:40
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	220		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	2.9	J	ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	440		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	410		ug/l	10	0.71	10
Chloroethane	25		ug/l	25	7.0	10
1,1-Dichloroethene	7.7		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	7.0		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: NML NEW BABCOCK Q1 2025 GW **Lab Number:** L2512227

Project Number: 20-003 **Report Date:** 03/13/25

SAMPLE RESULTS

Lab ID: L2512227-03 D
Client ID: BR-02 (030525) DUPLICATE
Sample Location: 766 NEW BABCOCK ST, BUFFALO, NY

Date Collected: 03/05/25 11:30
Date Received: 03/05/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	1.7	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	810		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	62		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003
Lab Number: L2512227
Report Date: 03/13/25

SAMPLE RESULTS

Lab ID: L2512227-04
Client ID: BR-03 (030525)
Sample Location: 766 NEW BABCOCK ST, BUFFALO, NY
Date Collected: 03/05/25 12:17
Date Received: 03/05/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 16:21
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	1.3	J	ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	0.72	J	ug/l	2.5	0.70	1
Vinyl chloride	0.29	J	ug/l	1.0	0.07	1
Chloroethane	1.3	J	ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	1.0		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NML NEW BABCOCK Q1 2025 GW **Lab Number:** L2512227

Project Number: 20-003 **Report Date:** 03/13/25

SAMPLE RESULTS

Lab ID: L2512227-04 Date Collected: 03/05/25 12:17

Client ID: BR-03 (030525) Date Received: 03/05/25

Sample Location: 766 NEW BABCOCK ST, BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	1.5	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	2.4	J	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: NML NEW BABCOCK Q1 2025 GW **Lab Number:** L2512227

Project Number: 20-003 **Report Date:** 03/13/25

SAMPLE RESULTS

Lab ID: L2512227-05 D
Client ID: BR-13 (030525)
Sample Location: 766 NEW BABCOCK ST, BUFFALO, NY

Date Collected: 03/05/25 13:00
Date Received: 03/05/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 18:07
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	70		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	0.66	J	ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	38		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	ND		ug/l	6.2	1.8	2.5
Ethylbenzene	ND		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	4.2		ug/l	2.5	0.18	2.5
Chloroethane	12		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	0.50	J	ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5
Trichloroethene	0.50	J	ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5

Project Name: NML NEW BABCOCK Q1 2025 GW **Lab Number:** L2512227

Project Number: 20-003 **Report Date:** 03/13/25

SAMPLE RESULTS

Lab ID: L2512227-05 D
Client ID: BR-13 (030525)
Sample Location: 766 NEW BABCOCK ST, BUFFALO, NY

Date Collected: 03/05/25 13:00
Date Received: 03/05/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	0.73	J	ug/l	6.2	0.42	2.5
p/m-Xylene	ND		ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	240		ug/l	6.2	1.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	ND		ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl Acetate	ND		ug/l	5.0	0.58	2.5
Cyclohexane	ND		ug/l	25	0.68	2.5
1,4-Dioxane	ND		ug/l	620	150	2.5
Freon-113	4.1	J	ug/l	6.2	1.8	2.5
Methyl cyclohexane	ND		ug/l	25	0.99	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: NML NEW BABCOCK Q1 2025 GW
Lab Number: L2512227
Project Number: 20-003
Report Date: 03/13/25

SAMPLE RESULTS

Lab ID: L2512227-06
Client ID: BR-15 (030525)
Sample Location: 766 NEW BABCOCK ST, BUFFALO, NY
Date Collected: 03/05/25 13:40
Date Received: 03/05/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 15:54
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	93		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	1.1		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	68		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	1.7	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	0.74	J	ug/l	2.5	0.70	1
Vinyl chloride	58		ug/l	1.0	0.07	1
Chloroethane	59		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.38	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.3	J	ug/l	2.5	0.70	1
Trichloroethene	0.46	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NML NEW BABCOCK Q1 2025 GW **Lab Number:** L2512227

Project Number: 20-003 **Report Date:** 03/13/25

SAMPLE RESULTS

Lab ID: L2512227-06 Date Collected: 03/05/25 13:40

Client ID: BR-15 (030525) Date Received: 03/05/25

Sample Location: 766 NEW BABCOCK ST, BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	34		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.42	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	38		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003
Lab Number: L2512227
Report Date: 03/13/25

SAMPLE RESULTS

Lab ID: L2512227-07
Client ID: TRIP BLANK (030525)
Sample Location: 766 NEW BABCOCK ST, BUFFALO, NY
Date Collected: 03/05/25 00:00
Date Received: 03/05/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 15:27
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	0.86	J	ug/l	2.5	0.70	1
Bromomethane	0.87	J	ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NML NEW BABCOCK Q1 2025 GW **Lab Number:** L2512227

Project Number: 20-003 **Report Date:** 03/13/25

SAMPLE RESULTS

Lab ID: L2512227-07 Date Collected: 03/05/25 00:00

Client ID: TRIP BLANK (030525) Date Received: 03/05/25

Sample Location: 766 NEW BABCOCK ST, BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.2	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Project Name: NML NEW BABCOCK Q1 2025 GW **Lab Number:** L2512227

Project Number: 20-003 **Report Date:** 03/13/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/12/25 09:15
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG2039675-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: NML NEW BABCOCK Q1 2025 GW **Lab Number:** L2512227

Project Number: 20-003 **Report Date:** 03/13/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/12/25 09:15
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG2039675-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003
Lab Number: L2512227
Report Date: 03/13/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/12/25 09:15
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG2039675-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003

Lab Number: L2512227
Report Date: 03/13/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG2039675-3 WG2039675-4								
Methylene chloride	97		93		70-130	4		20
1,1-Dichloroethane	100		99		70-130	1		20
Chloroform	100		99		70-130	1		20
Carbon tetrachloride	98		96		63-132	2		20
1,2-Dichloropropane	100		99		70-130	1		20
Dibromochloromethane	96		94		63-130	2		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	100		95		70-130	5		20
1,1,1-Trichloroethane	100		97		67-130	3		20
Bromodichloromethane	100		95		67-130	5		20
trans-1,3-Dichloropropene	92		94		70-130	2		20
cis-1,3-Dichloropropene	90		89		70-130	1		20
Bromoform	92		92		54-136	0		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	92		90		64-130	2		20
Bromomethane	130		120		39-139	8		20
Vinyl chloride	100		100		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003

Lab Number: L2512227
Report Date: 03/13/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG2039675-3 WG2039675-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	99		96		61-145	3		20
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	100		98		70-130	2		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	94		93		63-130	1		20
p/m-Xylene	110		105		70-130	5		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		97		70-130	3		20
Styrene	110		105		70-130	5		20
Dichlorodifluoromethane	95		93		36-147	2		20
Acetone	89		78		58-148	13		20
Carbon disulfide	99		96		51-130	3		20
2-Butanone	100		100		63-138	0		20
4-Methyl-2-pentanone	86		88		59-130	2		20
2-Hexanone	86		88		57-130	2		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	98		99		70-130	1		20
1,2-Dibromo-3-chloropropane	82		83		41-144	1		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	87		96		70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003

Lab Number: L2512227
Report Date: 03/13/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG2039675-3 WG2039675-4								
1,2,4-Trichlorobenzene	93		98		70-130	5		20
Methyl Acetate	100		96		70-130	4		20
Cyclohexane	100		98		70-130	2		20
1,4-Dioxane	98		100		56-162	2		20
Freon-113	100		97		70-130	3		20
Methyl cyclohexane	100		96		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		99		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	102		101		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003
Lab Number: L2512227
Report Date: 03/13/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG2039675-6 WG2039675-7 QC Sample: L2512227-01 Client ID: BR-01 (030525)												
Methylene chloride	ND	25	25	100		25	100		70-130	0		20
1,1-Dichloroethane	110	25	130	80		130	80		70-130	0		20
Chloroform	ND	25	25	100		26	104		70-130	4		20
Carbon tetrachloride	ND	25	21	84		22	88		63-132	5		20
1,2-Dichloropropane	ND	25	26	104		26	104		70-130	0		20
Dibromochloromethane	ND	25	24	96		24	96		63-130	0		20
1,1,2-Trichloroethane	ND	25	27	108		28	112		70-130	4		20
Tetrachloroethene	0.92J	25	27	108		27	108		70-130	0		20
Chlorobenzene	ND	25	25	100		26	104		75-130	4		20
Trichlorofluoromethane	ND	25	26	104		26	104		62-150	0		20
1,2-Dichloroethane	ND	25	25	100		26	104		70-130	4		20
1,1,1-Trichloroethane	210	25	220	**40**	Q	210	**0**	Q	67-130	5		20
Bromodichloromethane	ND	25	24	96		24	96		67-130	0		20
trans-1,3-Dichloropropene	ND	25	22	88		23	92		70-130	4		20
cis-1,3-Dichloropropene	ND	25	21	84		22	88		70-130	5		20
Bromoform	ND	25	23	92		24	96		54-136	4		20
1,1,2,2-Tetrachloroethane	ND	25	29	116		30	120		67-130	3		20
Benzene	ND	25	26	104		27	108		70-130	4		20
Toluene	ND	25	27	108		27	108		70-130	0		20
Ethylbenzene	ND	25	26	104		26	104		70-130	0		20
Chloromethane	ND	25	21	84		22	88		64-130	5		20
Bromomethane	ND	25	17	68		22	88		39-139	**26**	Q	20
Vinyl chloride	110	25	130	80		130	80		55-140	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003
Lab Number: L2512227
Report Date: 03/13/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG2039675-6 WG2039675-7 QC Sample: L2512227-01 Client ID: BR-01 (030525)												
Chloroethane	6.8	25	37	121		38	125		55-138	3		20
1,1-Dichloroethene	3.0	25	29	104		30	108		61-145	3		20
trans-1,2-Dichloroethene	ND	25	26	104		27	108		70-130	4		20
Trichloroethene	11	25	35	96		35	96		70-130	0		20
1,2-Dichlorobenzene	ND	25	25	100		26	104		70-130	4		20
1,3-Dichlorobenzene	ND	25	25	100		26	104		70-130	4		20
1,4-Dichlorobenzene	ND	25	25	100		25	100		70-130	0		20
Methyl tert butyl ether	ND	25	26	104		27	108		63-130	4		20
p/m-Xylene	ND	50	52	104		52	104		70-130	0		20
o-Xylene	ND	50	51	102		52	104		70-130	2		20
cis-1,2-Dichloroethene	340	25	340	**0**	Q	340	**0**	Q	70-130	0		20
Styrene	ND	50	51	102		52	104		70-130	2		20
Dichlorodifluoromethane	ND	25	24	96		24	96		36-147	0		20
Acetone	4.4J	25	33	132		33	132		58-148	0		20
Carbon disulfide	ND	25	27	108		28	112		51-130	4		20
2-Butanone	ND	25	31	124		31	124		63-138	0		20
4-Methyl-2-pentanone	ND	25	26	104		28	112		59-130	7		20
2-Hexanone	ND	25	25	100		26	104		57-130	4		20
Bromochloromethane	ND	25	26	104		27	108		70-130	4		20
1,2-Dibromoethane	ND	25	26	104		27	108		70-130	4		20
1,2-Dibromo-3-chloropropane	ND	25	24	96		24	96		41-144	0		20
Isopropylbenzene	ND	25	25	100		26	104		70-130	4		20
1,2,3-Trichlorobenzene	ND	25	23	92		26	104		70-130	12		20

Matrix Spike Analysis
Batch Quality Control

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003
Lab Number: L2512227
Report Date: 03/13/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG2039675-6 WG2039675-7 QC Sample: L2512227-01 Client ID: BR-01 (030525)												
1,2,4-Trichlorobenzene	ND	25	23	92		25	100		70-130	8		20
Methyl Acetate	ND	25	25	100		26	104		70-130	4		20
Cyclohexane	ND	25	25	100		25	100		70-130	0		20
1,4-Dioxane	ND	1250	1300	104		1400	112		56-162	7		20
Freon-113	17	25	41	96		40	92		70-130	2		20
Methyl cyclohexane	ND	25	24J	96		24J	96		70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		102		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	100		101		70-130
Toluene-d8	101		101		70-130

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003

Lab Number: L2512227
Report Date: 03/13/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512227-01A	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-01A1	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-01A2	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-01B	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-01B1	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-01B2	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-01C	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-01C1	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-01C2	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-02A	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-02B	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-02C	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-03A	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-03B	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-03C	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-04A	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-04B	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-04C	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-05A	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-05B	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-05C	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: NML NEW BABCOCK Q1 2025 GW
Project Number: 20-003

Lab Number: L2512227
Report Date: 03/13/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512227-06A	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-06B	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-06C	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-07A	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2512227-07B	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	NML NEW BABCOCK Q1 2025 GW	**Lab Number:**	L2512227
Project Number:	20-003	**Report Date:**	03/13/25

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	NML NEW BABCOCK Q1 2025 GW	**Lab Number:**	L2512227
Project Number:	20-003	**Report Date:**	03/13/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	NML NEW BABCOCK Q1 2025 GW	**Lab Number:**	L2512227
Project Number:	20-003	**Report Date:**	03/13/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: NML NEW BABCOCK Q1 2025 GW **Lab Number:** L2512227

Project Number: 20-003 **Report Date:** 03/13/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

NEW YORK CHAIN OF CUSTODY

L2512227
MATRIX – ENVIRO

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab 3/6/25

Client Information

Client: Matrix Environmental
Address: 3730 California Rd
Orchard Park, NY 14127
Phone: 716-662-0745
Fax:
Email: MSzustak@matrixbiotech.com

Project Information

Project Name: NML New Babcock GI 2025 GW
Project Location: 716 New Babcock St. Buffalo, NY
Project #: 20-003
(Use Project name as Project #)
Project Manager: M. Deyo
ALPHAQuote #:

Turn-Around Time

Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Copy CCurtis@matrixbiotech.com

Please specify Metals or TAL.

Deliverables

[ ] ASP-A [X] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

[ ] Same as Client Info
PO # 20-003

Regulatory Requirement

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

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

ANALYSIS

TCL VOCs 8260

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs 8260	Sample Specific Comments	Total Bottle
12227-01	BR-01 (030525)	3/5/25	GW	11:15	PB	X		3
	BR-01 (030525) MS	3/5/25	GW	11:15	PB	X		3
	BR-01 (030525) MSD	3/5/25	GW	11:15	PB	X		3
-02	BR-02 (030525)	3/5/25	GW	11:30	PB	X		3
-03	BR-02 (030525) Duplicate	3/5/25	GW	11:30	PB	X		3
-04	BR-03 (030525)	3/5/25	GW	12:17	PB	X		3
-05	BR-13 (030525)	3/5/25	GW	1:00	PB	X		3
-06	BR-15 (030525)	3/5/25	GW	1:40	PB	X		3
-07	Tripblank (030525)	3/5/25	GW		PB	X		2

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

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

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

Container Type: V
Preservative: B

Relinquished By:	Date/Time	Received By:	Date/Time
Mitch Metaw	3/6/25 9:45am	Charles Kirby	3-5-25 24
Charles Kirby	3-5-25 2:49	Barcode / FedEx	3-5-25 24
	3-5-25 15:38		
	0100		03106125-0100

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

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

ANALYTICAL REPORT

Lab Number:	L2537939
Client:	Matrix Environmental Technologies 3730 California Road Orchard Park, NY 14127
ATTN:	Mary Szustak
Phone:	(716) 662-0745
Project Name:	NIAGARA METLS Q2 2025 GW SAMPL
Project Number:	20-003
Report Date:	07/02/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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

Project Name: NIAGARA METLS Q2 2025 GW SAMPL
Project Number: 20-003

Lab Number: L2537939
Report Date: 07/02/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2537939-01	BR-01 (061625)	WATER	766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	06/16/25 11:50	06/17/25
L2537939-02	BR-02 (061625)	WATER	766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	06/16/25 09:45	06/17/25
L2537939-03	BR-02 (061625) DUPLICATE	WATER	766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	06/16/25 09:45	06/17/25
L2537939-04	BR-03 (061625)	WATER	766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	06/16/25 12:30	06/17/25
L2537939-05	BR-13 (061625)	WATER	766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	06/16/25 10:35	06/17/25
L2537939-06	BR-15 (061625)	WATER	766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	06/16/25 14:20	06/17/25
L2537939-07	TRIP BLANK (061625)	WATER	766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	06/16/25 00:00	06/17/25

Project Name:	NIAGARA METLS Q2 2025 GW SAMPL	**Lab Number:**	L2537939
Project Number:	20-003	**Report Date:**	07/02/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	NIAGARA METLS Q2 2025 GW SAMPL	**Lab Number:**	L2537939
Project Number:	20-003	**Report Date:**	07/02/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2537939-07: The Trip Blank has a concentration above the reporting limit for acetone. The sample was re-analyzed and confirmed the original results. The results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich

Caitlin Walukevich

Title: Technical Director/Representative

Date: 07/02/25

ORGANICS

VOLATILES

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

SAMPLE RESULTS

Lab ID: L2537939-01 D
Client ID: BR-01 (061625)
Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO

Date Collected: 06/16/25 11:50
Date Received: 06/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/28/25 13:12
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	100		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	1.5	J	ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	380		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	150		ug/l	5.0	0.36	5
Chloroethane	6.0	J	ug/l	12	3.5	5
1,1-Dichloroethene	5.8		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	21		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

SAMPLE RESULTS

Lab ID: L2537939-01 D Date Collected: 06/16/25 11:50

Client ID: BR-01 (061625) Date Received: 06/17/25

Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	0.83	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	590		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	8.3	J	ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	22		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	106		70-130

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

SAMPLE RESULTS

Lab ID: L2537939-02 D
Client ID: BR-02 (061625)
Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO

Date Collected: 06/16/25 09:45
Date Received: 06/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/28/25 13:56
Analyst: KAB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	240		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	ND		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	650		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	410		ug/l	20	1.4	20
Chloroethane	27	J	ug/l	50	14.	20
1,1-Dichloroethene	12		ug/l	10	3.4	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20
Trichloroethene	7.7	J	ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

SAMPLE RESULTS

Lab ID: L2537939-02 D Date Collected: 06/16/25 09:45

Client ID: BR-02 (061625) Date Received: 06/17/25

Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	3.3	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	1600		ug/l	50	14.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	ND		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
Methyl Acetate	ND		ug/l	40	4.7	20
Cyclohexane	ND		ug/l	200	5.4	20
1,4-Dioxane	ND		ug/l	5000	1200	20
Freon-113	57		ug/l	50	14.	20
Methyl cyclohexane	ND		ug/l	200	7.9	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	111		70-130

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

SAMPLE RESULTS

Lab ID: L2537939-03 D
Client ID: BR-02 (061625) DUPLICATE
Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO

Date Collected: 06/16/25 09:45
Date Received: 06/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/28/25 14:18
Analyst: KAB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	250		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	630		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	420		ug/l	10	0.71	10
Chloroethane	30		ug/l	25	7.0	10
1,1-Dichloroethene	10		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	6.0		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

SAMPLE RESULTS

Lab ID: L2537939-03 D
Client ID: BR-02 (061625) DUPLICATE
Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO

Date Collected: 06/16/25 09:45
Date Received: 06/17/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	1.7	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	1700		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	54		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	111		70-130

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

SAMPLE RESULTS

Lab ID: L2537939-04 Date Collected: 06/16/25 12:30
Client ID: BR-03 (061625) Date Received: 06/17/25
Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/28/25 14:40
Analyst: KAB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	1.2	J	ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.99	J	ug/l	1.0	0.07	1
Chloroethane	1.0	J	ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	1.9		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

SAMPLE RESULTS

Lab ID: L2537939-04 Date Collected: 06/16/25 12:30

Client ID: BR-03 (061625) Date Received: 06/17/25

Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	0.77	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	4.2		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	14		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	111		70-130

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

SAMPLE RESULTS

Lab ID: L2537939-05 Date Collected: 06/16/25 10:35
Client ID: BR-13 (061625) Date Received: 06/17/25
Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/28/25 13:38
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	8.8		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	1.1	J	ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.2		ug/l	1.0	0.07	1
Chloroethane	2.3	J	ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

SAMPLE RESULTS

Lab ID: L2537939-05 Date Collected: 06/16/25 10:35

Client ID: BR-13 (061625) Date Received: 06/17/25

Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	0.40	J	ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.2	J	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	6.0		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	2.9		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

SAMPLE RESULTS

Lab ID: L2537939-06 Date Collected: 06/16/25 14:20
Client ID: BR-15 (061625) Date Received: 06/17/25
Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/28/25 11:24
Analyst: KAB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	110		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	2.2		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	120		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	5.6		ug/l	2.5	0.70	1
Ethylbenzene	1.6	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	86		ug/l	1.0	0.07	1
Chloroethane	31		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.81		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	2.4	J	ug/l	2.5	0.70	1
Trichloroethene	1.6		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

SAMPLE RESULTS

Lab ID: L2537939-06 Date Collected: 06/16/25 14:20

Client ID: BR-15 (061625) Date Received: 06/17/25

Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	4.3		ug/l	2.5	0.70	1
o-Xylene	1.5	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	67		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	8.8		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.59	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	72		ug/l	2.5	0.70	1
Methyl cyclohexane	1.3	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	101		70-130

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

SAMPLE RESULTS

Lab ID: L2537939-07 Date Collected: 06/16/25 00:00
Client ID: TRIP BLANK (061625) Date Received: 06/17/25
Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/28/25 10:58
Analyst: KAB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

SAMPLE RESULTS

Lab ID: L2537939-07 Date Collected: 06/16/25 00:00

Client ID: TRIP BLANK (061625) Date Received: 06/17/25

Sample Location: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	6.5		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	99		70-130

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/28/25 10:16
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04 Batch: WG2085068-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/28/25 10:16
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04 Batch: WG2085068-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/28/25 10:16
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04 Batch: WG2085068-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	106		70-130

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/28/25 10:32
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG2085076-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/28/25 10:32
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG2085076-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/28/25 10:32
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG2085076-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/28/25 11:52
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05 Batch: WG2085378-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/28/25 11:52
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05 Batch: WG2085378-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/28/25 11:52
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05 Batch: WG2085378-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METLS Q2 2025 GW SAMPL
Project Number: 20-003

Lab Number: L2537939
Report Date: 07/02/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG2085068-3 WG2085068-4								
Methylene chloride	98		89		70-130	10		20
1,1-Dichloroethane	99		89		70-130	11		20
Chloroform	100		90		70-130	11		20
Carbon tetrachloride	110		100		63-132	10		20
1,2-Dichloropropane	96		87		70-130	10		20
Dibromochloromethane	110		96		63-130	14		20
1,1,2-Trichloroethane	100		89		70-130	12		20
Tetrachloroethene	110		97		70-130	13		20
Chlorobenzene	110		95		75-130	15		20
Trichlorofluoromethane	82		80		62-150	2		20
1,2-Dichloroethane	98		91		70-130	7		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	110		96		67-130	14		20
trans-1,3-Dichloropropene	110		98		70-130	12		20
cis-1,3-Dichloropropene	100		94		70-130	6		20
Bromoform	100		85		54-136	16		20
1,1,2,2-Tetrachloroethane	100		88		67-130	13		20
Benzene	100		90		70-130	11		20
Toluene	110		94		70-130	16		20
Ethylbenzene	110		94		70-130	16		20
Chloromethane	87		77		64-130	12		20
Bromomethane	67		59		39-139	13		20
Vinyl chloride	94		84		55-140	11		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METLS Q2 2025 GW SAMPL
Project Number: 20-003

Lab Number: L2537939
Report Date: 07/02/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG2085068-3 WG2085068-4								
Chloroethane	91		82		55-138	10		20
1,1-Dichloroethene	87		79		61-145	10		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	110		96		70-130	14		20
1,2-Dichlorobenzene	110		94		70-130	16		20
1,3-Dichlorobenzene	110		94		70-130	16		20
1,4-Dichlorobenzene	110		92		70-130	18		20
Methyl tert butyl ether	91		84		63-130	8		20
p/m-Xylene	100		90		70-130	11		20
o-Xylene	100		85		70-130	16		20
cis-1,2-Dichloroethene	110		94		70-130	16		20
Styrene	90		75		70-130	18		20
Dichlorodifluoromethane	120		110		36-147	9		20
Acetone	88		80		58-148	10		20
Carbon disulfide	96		86		51-130	11		20
2-Butanone	77		63		63-138	20		20
4-Methyl-2-pentanone	84		67		59-130	**23**	Q	20
2-Hexanone	68		61		57-130	11		20
Bromochloromethane	99		90		70-130	10		20
1,2-Dibromoethane	110		100		70-130	10		20
1,2-Dibromo-3-chloropropane	110		98		41-144	12		20
Isopropylbenzene	110		92		70-130	18		20
1,2,3-Trichlorobenzene	110		95		70-130	15		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METLS Q2 2025 GW SAMPL
Project Number: 20-003
Lab Number: L2537939
Report Date: 07/02/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG2085068-3 WG2085068-4								
1,2,4-Trichlorobenzene	110		92		70-130	18		20
Methyl Acetate	82		80		70-130	2		20
Cyclohexane	86		83		70-130	4		20
1,4-Dioxane	90		78		56-162	14		20
Freon-113	90		84		70-130	7		20
Methyl cyclohexane	88		87		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		98		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	104		107		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METLS Q2 2025 GW SAMPL
Project Number: 20-003

Lab Number: L2537939
Report Date: 07/02/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG2085076-3 WG2085076-4								
Methylene chloride	95		95		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	96		97		70-130	1		20
Carbon tetrachloride	95		97		63-132	2		20
1,2-Dichloropropane	97		97		70-130	0		20
Dibromochloromethane	80		82		63-130	2		20
1,1,2-Trichloroethane	94		93		70-130	1		20
Tetrachloroethene	92		94		70-130	2		20
Chlorobenzene	95		94		75-130	1		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	98		100		70-130	2		20
1,1,1-Trichloroethane	96		97		67-130	1		20
Bromodichloromethane	88		89		67-130	1		20
trans-1,3-Dichloropropene	86		86		70-130	0		20
cis-1,3-Dichloropropene	85		85		70-130	0		20
Bromoform	68		70		54-136	3		20
1,1,2,2-Tetrachloroethane	91		93		67-130	2		20
Benzene	99		98		70-130	1		20
Toluene	97		96		70-130	1		20
Ethylbenzene	100		99		70-130	1		20
Chloromethane	96		97		64-130	1		20
Bromomethane	68		69		39-139	1		20
Vinyl chloride	110		110		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METLS Q2 2025 GW SAMPL
Project Number: 20-003

Lab Number: L2537939
Report Date: 07/02/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG2085076-3 WG2085076-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	95		97		61-145	2		20
trans-1,2-Dichloroethene	95		95		70-130	0		20
Trichloroethene	93		94		70-130	1		20
1,2-Dichlorobenzene	94		94		70-130	0		20
1,3-Dichlorobenzene	96		97		70-130	1		20
1,4-Dichlorobenzene	93		95		70-130	2		20
Methyl tert butyl ether	78		80		63-130	3		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	93		94		70-130	1		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	90		98		58-148	9		20
Carbon disulfide	90		92		51-130	2		20
2-Butanone	88		91		63-138	3		20
4-Methyl-2-pentanone	80		74		59-130	8		20
2-Hexanone	74		79		57-130	7		20
Bromochloromethane	92		91		70-130	1		20
1,2-Dibromoethane	85		89		70-130	5		20
1,2-Dibromo-3-chloropropane	61		67		41-144	9		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	78		80		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METLS Q2 2025 GW SAMPL
Project Number: 20-003
Lab Number: L2537939
Report Date: 07/02/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG2085076-3 WG2085076-4								
1,2,4-Trichlorobenzene	80		80		70-130	0		20
Methyl Acetate	92		93		70-130	1		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	92		94		56-162	2		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	104		105		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METLS Q2 2025 GW SAMPL
Project Number: 20-003

Lab Number: L2537939
Report Date: 07/02/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05 Batch: WG2085378-3 WG2085378-4								
Methylene chloride	89		89		70-130	0		20
1,1-Dichloroethane	100		98		70-130	2		20
Chloroform	97		93		70-130	4		20
Carbon tetrachloride	95		89		63-132	7		20
1,2-Dichloropropane	100		96		70-130	4		20
Dibromochloromethane	86		81		63-130	6		20
1,1,2-Trichloroethane	93		88		70-130	6		20
Tetrachloroethene	97		92		70-130	5		20
Chlorobenzene	98		92		75-130	6		20
Trichlorofluoromethane	97		99		62-150	2		20
1,2-Dichloroethane	99		95		70-130	4		20
1,1,1-Trichloroethane	97		96		67-130	1		20
Bromodichloromethane	92		90		67-130	2		20
trans-1,3-Dichloropropene	83		77		70-130	8		20
cis-1,3-Dichloropropene	89		87		70-130	2		20
Bromoform	78		73		54-136	7		20
1,1,2,2-Tetrachloroethane	88		83		67-130	6		20
Benzene	100		95		70-130	5		20
Toluene	97		93		70-130	4		20
Ethylbenzene	95		91		70-130	4		20
Chloromethane	87		85		64-130	2		20
Bromomethane	78		76		39-139	3		20
Vinyl chloride	100		100		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METLS Q2 2025 GW SAMPL
Project Number: 20-003

Lab Number: L2537939
Report Date: 07/02/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05 Batch: WG2085378-3 WG2085378-4								
Chloroethane	**140**	Q	130		55-138	7		20
1,1-Dichloroethene	90		93		61-145	3		20
trans-1,2-Dichloroethene	97		96		70-130	1		20
Trichloroethene	97		97		70-130	0		20
1,2-Dichlorobenzene	99		93		70-130	6		20
1,3-Dichlorobenzene	98		92		70-130	6		20
1,4-Dichlorobenzene	100		94		70-130	6		20
Methyl tert butyl ether	86		84		63-130	2		20
p/m-Xylene	95		90		70-130	5		20
o-Xylene	95		90		70-130	5		20
cis-1,2-Dichloroethene	98		95		70-130	3		20
Styrene	95		90		70-130	5		20
Dichlorodifluoromethane	98		95		36-147	3		20
Acetone	88		87		58-148	1		20
Carbon disulfide	95		94		51-130	1		20
2-Butanone	92		80		63-138	14		20
4-Methyl-2-pentanone	77		80		59-130	4		20
2-Hexanone	78		75		57-130	4		20
Bromochloromethane	100		97		70-130	3		20
1,2-Dibromoethane	93		89		70-130	4		20
1,2-Dibromo-3-chloropropane	78		76		41-144	3		20
Isopropylbenzene	98		90		70-130	9		20
1,2,3-Trichlorobenzene	88		83		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NIAGARA METLS Q2 2025 GW SAMPL
Project Number: 20-003
Lab Number: L2537939
Report Date: 07/02/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05 Batch: WG2085378-3 WG2085378-4								
1,2,4-Trichlorobenzene	89		87		70-130	2		20
Methyl Acetate	94		91		70-130	3		20
Cyclohexane	97		92		70-130	5		20
1,4-Dioxane	90		88		56-162	2		20
Freon-113	100		96		70-130	4		20
Methyl cyclohexane	94		92		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		107		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	96		94		70-130
Dibromofluoromethane	101		101		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: NIAGARA METLS Q2 2025 GW SAMPL
Project Number: 20-003
Lab Number: L2537939
Report Date: 07/02/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05 QC Batch ID: WG2085378-6 WG2085378-7 QC Sample: L2537939-01 Client ID: BR-01 (061625)												
Methylene chloride	ND	50	46	92		43	86		70-130	7		20
1,1-Dichloroethane	100	50	160	120		160	120		70-130	0		20
Chloroform	ND	50	48	96		46	92		70-130	4		20
Carbon tetrachloride	ND	50	45	90		45	90		63-132	0		20
1,2-Dichloropropane	ND	50	50	100		47	94		70-130	6		20
Dibromochloromethane	ND	50	41	82		39	78		63-130	5		20
1,1,2-Trichloroethane	ND	50	45	90		42	84		70-130	7		20
Tetrachloroethene	1.5J	50	50	100		47	94		70-130	6		20
Chlorobenzene	ND	50	48	96		46	92		75-130	4		20
Trichlorofluoromethane	ND	50	56	112		51	102		62-150	9		20
1,2-Dichloroethane	ND	50	48	96		45	90		70-130	6		20
1,1,1-Trichloroethane	380	50	440	120		440	120		67-130	0		20
Bromodichloromethane	ND	50	45	90		43	86		67-130	5		20
trans-1,3-Dichloropropene	ND	50	39	78		36	72		70-130	8		20
cis-1,3-Dichloropropene	ND	50	41	82		38	76		70-130	8		20
Bromoform	ND	50	37	74		35	70		54-136	6		20
1,1,2,2-Tetrachloroethane	ND	50	43	86		41	82		67-130	5		20
Benzene	ND	50	50	100		48	96		70-130	4		20
Toluene	ND	50	51	102		48	96		70-130	6		20
Ethylbenzene	ND	50	48	96		46	92		70-130	4		20
Chloromethane	ND	50	49	98		45	90		64-130	9		20
Bromomethane	ND	50	30	60		32	64		39-139	6		20
Vinyl chloride	150	50	210	120		200	100		55-140	5		20

Matrix Spike Analysis
Batch Quality Control

Project Name: NIAGARA METLS Q2 2025 GW SAMPL
Project Number: 20-003
Lab Number: L2537939
Report Date: 07/02/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05 QC Batch ID: WG2085378-6 WG2085378-7 QC Sample: L2537939-01 Client ID: BR-01 (061625)												
Chloroethane	6.0J	50	80	**160**	Q	75	**150**	Q	55-138	6		20
1,1-Dichloroethene	5.8	50	58	104		54	96		61-145	7		20
trans-1,2-Dichloroethene	ND	50	54	108		52	104		70-130	4		20
Trichloroethene	21	50	71	100		70	98		70-130	1		20
1,2-Dichlorobenzene	ND	50	48	96		45	90		70-130	6		20
1,3-Dichlorobenzene	ND	50	48	96		46	92		70-130	4		20
1,4-Dichlorobenzene	ND	50	48	96		46	92		70-130	4		20
Methyl tert butyl ether	ND	50	44	88		41	82		63-130	7		20
p/m-Xylene	ND	100	97	97		92	92		70-130	5		20
o-Xylene	ND	100	94	94		90	90		70-130	4		20
cis-1,2-Dichloroethene	590	50	650	120		640	100		70-130	2		20
Styrene	ND	100	91	91		88	88		70-130	3		20
Dichlorodifluoromethane	ND	50	50	100		46	92		36-147	8		20
Acetone	8.3J	50	45	90		47	94		58-148	4		20
Carbon disulfide	ND	50	50	100		48	96		51-130	4		20
2-Butanone	ND	50	42	84		43	86		63-138	2		20
4-Methyl-2-pentanone	ND	50	41	82		39	78		59-130	5		20
2-Hexanone	ND	50	38	76		38	76		57-130	0		20
Bromochloromethane	ND	50	50	100		47	94		70-130	6		20
1,2-Dibromoethane	ND	50	44	88		43	86		70-130	2		20
1,2-Dibromo-3-chloropropane	ND	50	35	70		34	68		41-144	3		20
Isopropylbenzene	ND	50	49	98		47	94		70-130	4		20
1,2,3-Trichlorobenzene	ND	50	41	82		40	80		70-130	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: NIAGARA METLS Q2 2025 GW SAMPL
Project Number: 20-003
Lab Number: L2537939
Report Date: 07/02/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05 QC Batch ID: WG2085378-6 WG2085378-7 QC Sample: L2537939-01 Client ID: BR-01 (061625)												
1,2,4-Trichlorobenzene	ND	50	44	88		43	86		70-130	2		20
Methyl Acetate	ND	50	42	84		43	86		70-130	2		20
Cyclohexane	ND	50	51	102		49J	98		70-130	4		20
1,4-Dioxane	ND	2500	2200	88		2200	88		56-162	0		20
Freon-113	22	50	75	106		72	100		70-130	4		20
Methyl cyclohexane	ND	50	47J	94		45J	90		70-130	4		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		103		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	104		102		70-130
Toluene-d8	98		97		70-130

Project Name: NIAGARA METLS Q2 2025 GW SAMPL
Project Number: 20-003

Lab Number: L2537939
Report Date: 07/02/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2537939-01A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-01A1	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-01A2	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-01B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-01B1	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-01B2	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-01C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-01C1	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-01C2	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-02A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-02B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-02C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-03A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-03B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-03C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-04A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-04B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-04C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-05A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-05B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-05C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-06A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-06B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: NIAGARA METLS Q2 2025 GW SAMPL
Project Number: 20-003

Lab Number: L2537939
Report Date: 07/02/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2537939-06C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-07A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2537939-07B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	NIAGARA METLS Q2 2025 GW SAMPL	**Lab Number:**	L2537939
Project Number:	20-003	**Report Date:**	07/02/25

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	NIAGARA METLS Q2 2025 GW SAMPL	**Lab Number:**	L2537939
Project Number:	20-003	**Report Date:**	07/02/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	NIAGARA METLS Q2 2025 GW SAMPL	**Lab Number:**	L2537939
Project Number:	20-003	**Report Date:**	07/02/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: NIAGARA METLS Q2 2025 GW SAMPL **Lab Number:** L2537939

Project Number: 20-003 **Report Date:** 07/02/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 6/18/25

ALPHA Job #: L2537939

Client Information

Client: Matrix Environmental Tech
Address: 3730 California Road
Orchard Park, NY 14127
Phone: 716-662-0745
Fax:
Email: mszustak@matrixbiotech.com

Project Information

Project Name: Niagara Metals Q2 2025 GW Sampling
Project Location: 766 New Babcock St. & 50 Hannah St., Buffalo
Project #: 20-003
(Use Project name as Project #) ☑
Project Manager: M. Deyo
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO # 20-003

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Please CC results to ccurtis@matrixbiotech.com

Please specify Metals or TAL.

ANALYSIS

TCL VOCS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCS	Sample Specific Comments	Total Bottle
37939 .01	BR-01 (061625)	6/16/2025	11:50 A	GW	NA	X		3
.02	BR-01 (061625) MS	6/16/2025	11:52 A	GW	NA	X		3
.03	BR-01 (061625) MSD	6/16/2025	11:54 A	GW	NA	X		3
.04	BR-02 (061625)	6/16/2025	9:45 A	GW	NA	X		3
.05	BR-02 (061625) DUPLICATE	6/16/2025	9:45 A	GW	NA	X		3
.06	BR-03 (061625)	6/16/2025	12:30 P	GW	NA	X		3
.07	BR-13 (061625)	6/16/2025	10:35 A	GW	NA	X		3
.08	BR-15 (061625)	6/16/2025	2:20 P	GW	NA	X		3
.09	Trip Blank (061625)	~~6/16/2025~~ 5/31/25		GW	NA	X		3

Container Type: V
Preservative: B

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Mary Szustak	6/17/25 1:38p	Molly PACE	6/17/25 13:38
[illegible]	6/17/25 1417	BUFFALO SC	6-17-25 14:12
Ronald B. Kirby	6-17-25 1601		6/17 2300
	6/18 0400		6/18/25 0400

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

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

Sample Delivery Group Summary

Pace Job Number : L2537939
Received : 17-JUN-2025
Reviewer : Richard Scott

Account Name : Matrix Environmental Technologies
Project Number : 20-003
Project Name : NIAGARA METLS Q2 2025 GW SAMPL

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.3	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NO**

APPENDIX I

Annual Inspection Logs

ENRX, Inc. – Voelker Analysis Site
766 New Babcock St., Buffalo NY
BCP Site #C915150
METI Project #20-003

Inspection Performed By: Steve Marchetti
(name)
Vice President
(title)
Matrix Environmental Technologies Inc.
(company)

Others Present: Mary Szustak
(name)
Project Manager
(title)

(company)

Inspection Date: 8/6/2025

Type of Inspection: Annual / Non-Routine Inspection

Description of Engineering Controls:

Type of engineering control?

Groundwater pump-and-treat

Are the engineering controls still in place?

Yes

Is the Site Management Plan still in place?

Yes

Repair or Maintenance Performed:

No

Intrusive Activities Performed:

No

ENRX, Inc. – Voelker Analysis Site
766 New Babcock St., Buffalo NY
BCP Site #C915150
METI Project #20-003

Inspection Performed By: Steve Marchetti
(name)
Vice President
(title)
Matrix Environmental Technologies Inc.
(company)

Others Present: Mary Szustak
(name)
Project Manager
(title)

(company)

Inspection Date: 8/6/2025

Type of Inspection: Annual / Non-Routine Inspection

Description of Engineering Controls:

Type of engineering control?

Sub-slab depressurization system (1 blower, 4 extraction wells)

Are the engineering controls still in place?

No, extraction point #2 broken & scheduled for repairs in 2 weeks. All else functioning properly

Is the Site Management Plan still in place?

Yes

Repair or Maintenance Performed:

None, but scheduled repair for Ex 2

Intrusive Activities Performed:

None

ENRX, Inc. – Voelker Analysis Site & ENRX Annex Site
NYSDEC BCP Site #C915150 & #C915325
Annual Inspection Log

Name: Mary Szustak and Steve Marchetti

Company: Matrix Environmental Technologies Inc.

Position: Project Manager and Vice President

Date/Weather: 08/06/2025 79 °F Sunny

NYSDEC Representative: Veronica Kreutzer - Not present during annual inspection

Items included in inspection:

Office:

Operation & Maintenance Logs	X
Water Level Data	X
Reports to NYSDEC	X
BSA Reports	X

Field:

Treatment Building & Equipment	X
Well Vaults	X
Condition of site including cap, Fencing and general appearance	X

Any conditions needing correction should be noted below:

- Three small areas could use some asphalt patch before winter to prevent deterioration
- VP2 is broken and needs to be repaired prior to the 2025 – 2026 heating season. During the summer months the building bay doors are left open during the work day while the building is occupied.
- Monitoring Wells and asphalt cover were repaired in October – November 2024 and are in good condition.
- GWP&T System is aged and replacement/downsizing should be considered in the future. Parts to repair existing equipment are becoming obsolete.

Corrective Measure Performed:

None

			
1.	8/6/25 – View of cover system looking southeast towards Annex Site and 2024 cover repair.	2.	8/6/25 – View of cover system looking east on ENRX Inc. Site and 2024 cover repair.
			
3.	8/6/25 – View of cover system looking southeast towards Annex Site and 2024 cover repair.	4.	8/6/25 – View of cover system looking south towards Annex Site.
			
5.	8/6/25 – View of Annex Site cover system looking north towards ENRX Inc. Site.	6.	8/6/25 – View of ENRX INC. cover system looking north.

			
7.	8/6/25 – View of ENRX Inc. cover system looking north.	8.	8/6/25 – View of ENRX Inc. cover system looking northeast.
			
9.	8/6/25 – View of ENRX Inc. cover system looking northeast. Red arrows point to small areas needing repair.	10.	8/6/25 – View of ENRX Inc. cover system looking north. Red arrows point to small areas needing repair.
			
11.	8/6/25 – View of ENRX Inc. cover system in building interior.	12.	8/6/25 – View of ENRX Inc. cover system in building interior.

			
13.	8/6/25 – View of SSDS VP1A.	14.	8/6/25 – View of SSDS VP1.
			
15.	8/6/25 – View of SSDS VP2 broken at floor. VP2 repaired on 9/25/25.	16.	8/6/25 – View of GWP&TS carbon treatment vessels.

			
17.	8/6/25 – View of SSDS VP3.	18.	8/6/25 – View of ENRX Inc. cover system in building interior.
			
19.	8/6/25 – View of ENRX Inc. 2024 completed cover repair.	20.	8/6/25 – View of ENRX Inc. cover system looking south on exterior of Site fence.
			
21.	8/6/25 – View of blower for SSDS in the foreground and GWP&TS knockout tank in the background.	22.	8/6/25 – View of GWP&TS air stripper within treatment trailer.



23.	8/6/25 – View of GWP&TS bag filter housings.



24.	8/6/25 – View of GWP&TS compressor and transfer pumps (foreground) and air stripper and bag filters (background).



25.	8/6/25 – View of GWP&T System in treatment trailer.



26.	8/6/25 – View of GWP&T System and SSDS Blower in treatment trailer.



27.	8/6/25 – View of GWP&TS equalization tanks.



28.	8/6/25 – View of repaired roadbox.

			
29.	8/6/25 – View of repaired roadbox.	30.	8/6/25 – View of repaired roadbox.
			
31.	8/6/25 – View of repaired roadbox.	32.	8/6/25 – View of recovery well.
			
33.	10/31/24 – View of decommissioning of BR-5.	34.	10/31/24 – View of decommissioning of BR-8.



35. 10/31/24 – View of tremie grouting of BR-10.



36. 10/31/24 – View of repaired SSDS VP2.



37. 10/29/25 – View of repaired SSDS VP2.



38. 12/10/25 – View of ENRX Inc. 2025 completed cover repair.

			
39.	12/10/25 – View of ENRX Inc. 2025 completed cover repair.	40.	12/10/25 – View of ENRX Inc. 2025 completed cover repair.

APPENDIX J

DUSR Reports & EQuIS Data Submittal Confirmations

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

766 New Babcock St., Buffalo, NY
Pace Analytical Services SDG#L2450744
April 16, 2025
Sampling date: 9/4/2024

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental Advantage, Inc., project located at 766 New Babcock St., Buffalo, NY, Pace Analytical Services SDG #L2450744 submitted to Vali-Data of WNY, LLC on January 24, 2025. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analysis using the USEPA method Volatile Organics (8260D).

ID	Sample ID	Laboratory ID
1	BR-01 (090424)	L2450744-01
2	BR-02 (090424)	L2450744-02
3	BR-02 (090424) DUPLICATE	L2450744-03
4	BR-03 (090424)	L2450744-04
5	BR-13 (090424)	L2450744-05
6	BR-15 (090424)	L2450744-06
7	TRIP BLANK (090424)	L2450744-07

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in MS/MSD, Initial Calibration

and Continuing Calibration.

Samples: DUSR ID#1-#3 were diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except Tetrachloroethene and trans-1,2-Dichloroethene were detected in DUSR ID#3 but were not detected in #2.

LABORATORY CONTROL SAMPLES
All criteria were met except a couple of target analytes were outside QC limits in the labor troy control samples and should be qualified as estimated.

LCS/LCSD ID	Target Analyte	%Rec LCS	%Rec LCSD	Qualifier	Associated Sample
WG1970371	Acetone	52	55	UJ	1-3
WG1970371	Methyl acetate	62	67	UJ	1-3

Some target analytes were outside QC limits in the laboratory control sample or the laboratory control sample duplicate but not both, so no further action is required.

MS/MSD
All criteria were met except a couple of target analytes were outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	%Rec 1MS	%Rec 1MSD	Qualifier	Associated Sample
1,1,1-Trichloroethane	50	0	J	1
Methyl acetate	60	65	UJ	1
Chloroethane	140	140	JH	1

Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met except several target analytes were outside QC limits in the initial calibrations (ICal) and/or the initial calibration verifications (ICV) and should be qualified as estimated in the associated samples blanks and spikes.

ICal/ICV instrument	Target Analyte	RRF/%D	Qualifier	Associated Sample
ICal/ICV Elaine	1,4-Dioxane	RRF	UJ/J	WG1970371, 1-3, 1MS/MSD
ICal/ICV Elaine	Bromochloromethane	RRF	UJ/J	WG1970371, 1-3, 1MS/MSD
ICal/ICV Elaine	Bromodichloromethane	RRF	UJ/J	WG1970371, 1-3, 1MS/MSD
ICal/ICV Elaine	1,1,2-Trichloroethane	RRF	UJ/J	WG1970371, 1-3, 1MS/MSD
ICal Elaine	Trichloroethene	RRF	UJ/J	WG1970371, 1-3, 1MS/MSD
ICal/ICV VOA105	1,4-Dioxane	RRF	UJ/J	WG1970082, 4-7
ICal/ICV VOA105	Bromodichloromethane	RRF	UJ/J	WG1970082, 4-7
ICV VOA105	1,1,2-Trichloroethane	RRF	UJ/J	WG1970082, 4-7

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

CONTINUING CALIBRATION

All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples blanks and spikes.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
WG1970082-2	1,4-Dioxane	RRF	UJ/J	WG1970082, 4-7
WG1970082-2	1,1,2-Trichloroethane	RRF	UJ/J	WG1970082, 4-7
WG1970371-2	1,4-Dioxane	RRF/28.1	UJ/J	WG1970371, 1-3, 1MS/MSD
WG1970371-2	Bromochloromethane	RRF	UJ/J	WG1970371, 1-3, 1MS/MSD
WG1970371-2	Bromodichloromethane	RRF	UJ/J	WG1970371, 1-3, 1MS/MSD
WG1970371-2	1,1,2-Trichloroethane	RRF	UJ/J	WG1970371, 1-3, 1MS/MSD
WG1970371-2	Acetone	47.9	UJ/J	WG1970371, 1-3, 1MS/MSD
WG1970371-2	2-Butanone	41	UJ/J	WG1970371, 1-3, 1MS/MSD
WG1970371-2	4-Methyl-2-pentanone	35	UJ/J	WG1970371, 1-3, 1MS/MSD
WG1970371-2	2-Hexanone	46.7	UJ/J	WG1970371, 1-3, 1MS/MSD

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK

All criteria were met.

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The WG1970371-7 MSD recovery, performed on L2450744-01, is outside the acceptance criteria for 1,1,1-trichloroethane (0%). The unacceptable percent recovery is attributed to the elevated concentrations of target compounds present in the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristen Walker Report Date: 09/12/24

Title: Technical Director/Representative

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1970371-3 **Analysis Date** : 09/10/24 19:56	**File ID**	: VE240910N01
LCSD Sample ID	: WG1970371-4 **Analysis Date** : 09/10/24 20:20	**File ID**	: VE240910N02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	10	100	10	10	100	0	70-130	20
1,2-Dichlorobenzene	10	9.7	97	10	9.9	99	2	70-130	20
1,3-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,4-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
Methyl tert butyl ether	10	8.6	86	10	8.8	88	2	63-130	20
p/m-Xylene	20	21	105	20	21	105	0	70-130	20
o-Xylene	20	21	105	20	21	105	0	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	10	100	0	70-130	20
Styrene	20	21	105	20	21	105	0	70-130	20
Dichlorodifluoromethane	10	9.4	94	10	9.2	92	2	36-147	20
Acetone	10	5.2	52 Q	10	5.5	55 Q	6	58-148	20
Carbon disulfide	10	10	100	10	9.8	98	2	51-130	20
2-Butanone	10	5.9	59 Q	10	6.6	66	11	63-138	20
4-Methyl-2-pentanone	10	6.5	65	10	6.9	69	6	59-130	20
2-Hexanone	10	5.3	53 Q	10	5.7	57	7	57-130	20
Bromochloromethane	10	11	110	10	11	110	0	70-130	20
1,2-Dibromoethane	10	8.9	89	10	9.0	90	1	70-130	20
1,2-Dibromo-3-chloropropane	10	7.0	70	10	7.5	75	7	41-144	20
Isopropylbenzene	10	9.7	97	10	9.7	97	0	70-130	20
1,2,3-Trichlorobenzene	10	8.6	86	10	9.1	91	6	70-130	20
1,2,4-Trichlorobenzene	10	9.4	94	10	9.3	93	1	70-130	20
Methyl Acetate	10	6.2	62 Q	10	6.7	67 Q	8	70-130	20
Cyclohexane	10	9.0	90	10	9.0	90	0	70-130	20
1,4-Dioxane	500	360	72	500	390	78	8	56-162	20
Freon-113	10	10	100	10	10	100	0	70-130	20
Methyl cyclohexane	10	9.8	98	10	9.5	95	3	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Client Sample ID	: BR-01 (090424)	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2450744-01	**Analysis Date**	: 09/10/24 23:13
Matrix Spike	: WG1970371-6	**MS Analysis Date**	: 09/11/24 05:25
Matrix Spike Dup	: WG1970371-7	**MSD Analysis Date**	: 09/11/24 05:50

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	20	20	100	20	21	105	5	70-130	20
1,1-Dichloroethane	90	20	110	100	20	100	50 Q	10	70-130	20
Chloroform	ND	20	20	100	20	21	105	5	70-130	20
Carbon tetrachloride	ND	20	22	110	20	22	110	0	63-132	20
1,2-Dichloropropane	ND	20	19	95	20	20	100	5	70-130	20
Dibromochloromethane	ND	20	19	95	20	19	95	0	63-130	20
1,1,2-Trichloroethane	ND	20	18	90	20	19	95	5	70-130	20
Tetrachloroethene	0.67J	20	25	125	20	23	115	8	70-130	20
Chlorobenzene	ND	20	21	105	20	21	105	0	75-130	20
Trichlorofluoromethane	ND	20	23	115	20	22	110	4	62-150	20
1,2-Dichloroethane	ND	20	18	90	20	19	95	5	70-130	20
1,1,1-Trichloroethane	230	20	240	50 Q	20	230	0 Q	4	67-130	20
Bromodichloromethane	ND	20	20	100	20	20	100	0	67-130	20
trans-1,3-Dichloropropene	ND	20	17	85	20	18	90	6	70-130	20
cis-1,3-Dichloropropene	ND	20	19	95	20	19	95	0	70-130	20
Bromoform	ND	20	17	85	20	18	90	6	54-136	20
1,1,2,2-Tetrachloroethane	ND	20	17	85	20	18	90	6	67-130	20
Benzene	ND	20	21	105	20	22	110	5	70-130	20
Toluene	1.6J	20	22	110	20	22	110	0	70-130	20
Ethylbenzene	ND	20	21	105	20	21	105	0	70-130	20
Chloromethane	ND	20	19	95	20	20	100	5	64-130	20
Bromomethane	ND	20	19	95	20	21	105	10	39-139	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Client Sample ID	: BR-01 (090424)	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2450744-01	**Analysis Date**	: 09/10/24 23:13
Matrix Spike	: WG1970371-6	**MS Analysis Date**	: 09/11/24 05:25
Matrix Spike Dup	: WG1970371-7	**MSD Analysis Date**	: 09/11/24 05:50

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Vinyl chloride	120	20	140	100	20	140	100	0	55-140	20
Chloroethane	3.5J	20	28	140 Q	20	28	140 Q	0	55-138	20
1,1-Dichloroethene	2.4	20	24	108	20	24	108	0	61-145	20
trans-1,2-Dichloroethene	1.8J	20	24	120	20	24	120	0	70-130	20
Trichloroethene	5.1	20	26	105	20	26	105	0	70-130	20
1,2-Dichlorobenzene	ND	20	19	95	20	20	100	5	70-130	20
1,3-Dichlorobenzene	ND	20	20	100	20	21	105	5	70-130	20
1,4-Dichlorobenzene	ND	20	20	100	20	20	100	0	70-130	20
Methyl tert butyl ether	0.51J	20	18	90	20	19	95	5	63-130	20
p/m-Xylene	ND	40	44	110	40	44	110	0	70-130	20
o-Xylene	ND	40	43	108	40	43	108	0	70-130	20
cis-1,2-Dichloroethene	220	20	240	100	20	230	50 Q	4	70-130	20
Styrene	ND	40	41	103	40	41	103	0	70-130	20
Dichlorodifluoromethane	ND	20	21	105	20	20	100	5	36-147	20
Acetone	ND	20	14	70	20	15	75	7	58-148	20
Carbon disulfide	ND	20	22	110	20	22	110	0	51-130	20
2-Butanone	ND	20	13	65	20	13	65	0	63-138	20
4-Methyl-2-pentanone	ND	20	14	70	20	15	75	7	59-130	20
2-Hexanone	ND	20	11	55 Q	20	12	60	9	57-130	20
Bromochloromethane	ND	20	22	110	20	22	110	0	70-130	20
1,2-Dibromoethane	ND	20	18	90	20	19	95	5	70-130	20
1,2-Dibromo-3-chloropropane	ND	20	13	65	20	15	75	14	41-144	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Client Sample ID	: BR-01 (090424)	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2450744-01	**Analysis Date**	: 09/10/24 23:13
Matrix Spike	: WG1970371-6	**MS Analysis Date**	: 09/11/24 05:25
Matrix Spike Dup	: WG1970371-7	**MSD Analysis Date**	: 09/11/24 05:50

		Matrix Spike Sample				Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Isopropylbenzene	ND	20	20	100		20	20	100		0	70-130	20
1,2,3-Trichlorobenzene	ND	20	17	85		20	18	90		6	70-130	20
1,2,4-Trichlorobenzene	ND	20	17	85		20	19	95		11	70-130	20
Methyl Acetate	ND	20	12	60	Q	20	13	65	Q	8	70-130	20
Cyclohexane	ND	20	21	105		20	19J	95		10	70-130	20
1,4-Dioxane	ND	1000	780	78		1000	800	80		3	56-162	20
Freon-113	20	20	43	115		20	38	90		12	70-130	20
Methyl cyclohexane	ND	20	21	105		20	20	100		5	70-130	20

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-01D	**Date Collected**	: 09/04/24 12:48
Client ID	: BR-01 (090424)	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/10/24 23:13
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VE240910N09	**Instrument ID**	: ELAINE
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	5.0	1.4	U
75-34-3	1,1-Dichloroethane	90	5.0	1.4	
67-66-3	Chloroform	ND	5.0	1.4	U
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	0.67	1.0	0.36	J
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	230	5.0	1.4	
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	ND	1.0	0.32	U
108-88-3	Toluene	1.6	5.0	1.4	J
100-41-4	Ethylbenzene	ND	5.0	1.4	U
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND	5.0	1.4	U
75-01-4	Vinyl chloride	120	2.0	0.14	
75-00-3	Chloroethane	3.5	5.0	1.4	J
75-35-4	1,1-Dichloroethene	2.4	1.0	0.34	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-01D	**Date Collected**	: 09/04/24 12:48
Client ID	: BR-01 (090424)	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/10/24 23:13
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VE240910N09	**Instrument ID**	: ELAINE
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	1.8	5.0	1.4	J
79-01-6	Trichloroethene	5.1	1.0	0.35	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	0.51	5.0	0.33	J
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	220	5.0	1.4	
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	ND	10	2.9	U
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	ND	10	3.9	U
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U
591-78-6	2-Hexanone	ND	10	2.0	U
74-97-5	Bromochloromethane	ND	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
79-20-9	Methyl Acetate	ND	4.0	0.47	U
110-82-7	Cyclohexane	ND	20	0.54	U
123-91-1	1,4-Dioxane	ND	500	120	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-01D	**Date Collected**	: 09/04/24 12:48
Client ID	: BR-01 (090424)	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/10/24 23:13
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VE240910N09	**Instrument ID**	: ELAINE
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	20	5.0	1.4	
108-87-2	Methyl cyclohexane	ND	20	0.79	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-02D	**Date Collected**	: 09/04/24 16:12
Client ID	: BR-02 (090424)	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/10/24 23:38
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VE240910N10	**Instrument ID**	: ELAINE
Sample Amount	: 1 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	25	7.0	U
75-34-3	1,1-Dichloroethane	210	25	7.0	
67-66-3	Chloroform	ND	25	7.0	U
56-23-5	Carbon tetrachloride	ND	5.0	1.3	U
78-87-5	1,2-Dichloropropane	ND	10	1.4	U
124-48-1	Dibromochloromethane	ND	5.0	1.5	U
79-00-5	1,1,2-Trichloroethane	ND	15	5.0	U
127-18-4	Tetrachloroethene	ND	5.0	1.8	U
108-90-7	Chlorobenzene	ND	25	7.0	U
75-69-4	Trichlorofluoromethane	ND	25	7.0	U
107-06-2	1,2-Dichloroethane	ND	5.0	1.3	U
71-55-6	1,1,1-Trichloroethane	370	25	7.0	
75-27-4	Bromodichloromethane	ND	5.0	1.9	U
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.4	U
75-25-2	Bromoform	ND	20	6.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.7	U
71-43-2	Benzene	ND	5.0	1.6	U
108-88-3	Toluene	ND	25	7.0	U
100-41-4	Ethylbenzene	ND	25	7.0	U
74-87-3	Chloromethane	ND	25	7.0	U
74-83-9	Bromomethane	ND	25	7.0	U
75-01-4	Vinyl chloride	520	10	0.71	
75-00-3	Chloroethane	21	25	7.0	J
75-35-4	1,1-Dichloroethene	6.4	5.0	1.7	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-02D	**Date Collected**	: 09/04/24 16:12
Client ID	: BR-02 (090424)	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/10/24 23:38
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VE240910N10	**Instrument ID**	: ELAINE
Sample Amount	: 1 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	25	7.0	U
79-01-6	Trichloroethene	3.2	5.0	1.8	J
95-50-1	1,2-Dichlorobenzene	ND	25	7.0	U
541-73-1	1,3-Dichlorobenzene	ND	25	7.0	U
106-46-7	1,4-Dichlorobenzene	ND	25	7.0	U
1634-04-4	Methyl tert butyl ether	ND	25	1.7	U
179601-23-1	p/m-Xylene	ND	25	7.0	U
95-47-6	o-Xylene	ND	25	7.0	U
156-59-2	cis-1,2-Dichloroethene	920	25	7.0	
100-42-5	Styrene	ND	25	7.0	U
75-71-8	Dichlorodifluoromethane	ND	50	10.	U
67-64-1	Acetone	ND	50	15.	U
75-15-0	Carbon disulfide	ND	50	10.	U
78-93-3	2-Butanone	ND	50	19.	U
108-10-1	4-Methyl-2-pentanone	ND	50	10.	U
591-78-6	2-Hexanone	ND	50	10.	U
74-97-5	Bromochloromethane	ND	25	7.0	U
106-93-4	1,2-Dibromoethane	ND	20	6.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	7.0	U
98-82-8	Isopropylbenzene	ND	25	7.0	U
87-61-6	1,2,3-Trichlorobenzene	ND	25	7.0	U
120-82-1	1,2,4-Trichlorobenzene	ND	25	7.0	U
79-20-9	Methyl Acetate	ND	20	2.3	U
110-82-7	Cyclohexane	ND	100	2.7	U
123-91-1	1,4-Dioxane	ND	2500	610	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-02D	**Date Collected**	: 09/04/24 16:12
Client ID	: BR-02 (090424)	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/10/24 23:38
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VE240910N10	**Instrument ID**	: ELAINE
Sample Amount	: 1 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	55	25	7.0	
108-87-2	Methyl cyclohexane	ND	100	4.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-03D	**Date Collected**	: 09/04/24 16:14
Client ID	: BR-02 (090424) DUPLICATE	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/11/24 00:03
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VE240910N11	**Instrument ID**	: ELAINE
Sample Amount	: 2 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	12	3.5	U
75-34-3	1,1-Dichloroethane	220	12	3.5	
67-66-3	Chloroform	ND	12	3.5	U
56-23-5	Carbon tetrachloride	ND	2.5	0.67	U
78-87-5	1,2-Dichloropropane	ND	5.0	0.68	U
124-48-1	Dibromochloromethane	ND	2.5	0.74	U
79-00-5	1,1,2-Trichloroethane	ND	7.5	2.5	U
127-18-4	Tetrachloroethene	1.8	2.5	0.90	J
108-90-7	Chlorobenzene	ND	12	3.5	U
75-69-4	Trichlorofluoromethane	ND	12	3.5	U
107-06-2	1,2-Dichloroethane	ND	2.5	0.66	U
71-55-6	1,1,1-Trichloroethane	370	12	3.5	
75-27-4	Bromodichloromethane	ND	2.5	0.96	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.82	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.72	U
75-25-2	Bromoform	ND	10	3.2	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.84	U
71-43-2	Benzene	ND	2.5	0.80	U
108-88-3	Toluene	ND	12	3.5	U
100-41-4	Ethylbenzene	ND	12	3.5	U
74-87-3	Chloromethane	ND	12	3.5	U
74-83-9	Bromomethane	ND	12	3.5	U
75-01-4	Vinyl chloride	530	5.0	0.36	
75-00-3	Chloroethane	18	12	3.5	
75-35-4	1,1-Dichloroethene	7.0	2.5	0.84	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-03D	**Date Collected**	: 09/04/24 16:14
Client ID	: BR-02 (090424) DUPLICATE	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/11/24 00:03
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VE240910N11	**Instrument ID**	: ELAINE
Sample Amount	: 2 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	5.2	12	3.5	J
79-01-6	Trichloroethene	3.3	2.5	0.88	
95-50-1	1,2-Dichlorobenzene	ND	12	3.5	U
541-73-1	1,3-Dichlorobenzene	ND	12	3.5	U
106-46-7	1,4-Dichlorobenzene	ND	12	3.5	U
1634-04-4	Methyl tert butyl ether	ND	12	0.83	U
179601-23-1	p/m-Xylene	ND	12	3.5	U
95-47-6	o-Xylene	ND	12	3.5	U
156-59-2	cis-1,2-Dichloroethene	920	12	3.5	
100-42-5	Styrene	ND	12	3.5	U
75-71-8	Dichlorodifluoromethane	ND	25	5.0	U
67-64-1	Acetone	ND	25	7.3	U
75-15-0	Carbon disulfide	ND	25	5.0	U
78-93-3	2-Butanone	ND	25	9.7	U
108-10-1	4-Methyl-2-pentanone	ND	25	5.0	U
591-78-6	2-Hexanone	ND	25	5.0	U
74-97-5	Bromochloromethane	ND	12	3.5	U
106-93-4	1,2-Dibromoethane	ND	10	3.2	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	3.5	U
98-82-8	Isopropylbenzene	ND	12	3.5	U
87-61-6	1,2,3-Trichlorobenzene	ND	12	3.5	U
120-82-1	1,2,4-Trichlorobenzene	ND	12	3.5	U
79-20-9	Methyl Acetate	ND	10	1.2	U
110-82-7	Cyclohexane	ND	50	1.4	U
123-91-1	1,4-Dioxane	ND	1200	300	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-03D	**Date Collected**	: 09/04/24 16:14
Client ID	: BR-02 (090424) DUPLICATE	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/11/24 00:03
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VE240910N11	**Instrument ID**	: ELAINE
Sample Amount	: 2 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	52	12	3.5	
108-87-2	Methyl cyclohexane	ND	50	2.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-04	**Date Collected**	: 09/04/24 13:48
Client ID	: BR-03 (090424)	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/10/24 12:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: V05240910A06	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	3.4	2.5	0.70	
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	5.3	2.5	0.70	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	2.8	2.5	0.70	
75-01-4	Vinyl chloride	3.2	1.0	0.07	
75-00-3	Chloroethane	2.6	2.5	0.70	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-04	**Date Collected**	: 09/04/24 13:48
Client ID	: BR-03 (090424)	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/10/24 12:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: V05240910A06	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.34	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	6.4	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	8.1	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-04	**Date Collected**	: 09/04/24 13:48
Client ID	: BR-03 (090424)	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/10/24 12:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: V05240910A06	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-05	**Date Collected**	: 09/04/24 11:50
Client ID	: BR-13 (090424)	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/10/24 13:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: V05240910A07	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	7.8	2.5	0.70	
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.25	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	0.93	2.5	0.70	J
75-01-4	Vinyl chloride	2.6	1.0	0.07	
75-00-3	Chloroethane	1.2	2.5	0.70	J
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-05	**Date Collected**	: 09/04/24 11:50
Client ID	: BR-13 (090424)	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/10/24 13:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: V05240910A07	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	0.76	2.5	0.70	J
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	0.83	2.5	0.17	J
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	1.9	2.5	0.70	J
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-05	**Date Collected**	: 09/04/24 11:50
Client ID	: BR-13 (090424)	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/10/24 13:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: V05240910A07	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	3.4	2.5	0.70	
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-06	**Date Collected**	: 09/04/24 09:30
Client ID	: BR-15 (090424)	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/10/24 13:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: V05240910A09	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	42	2.5	0.70	
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	1.2	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	34	2.5	0.70	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	1.4	2.5	0.70	J
100-41-4	Ethylbenzene	0.89	2.5	0.70	J
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	4.5	1.0	0.07	
75-00-3	Chloroethane	12	2.5	0.70	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-06	**Date Collected**	: 09/04/24 09:30
Client ID	: BR-15 (090424)	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/10/24 13:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: V05240910A09	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	0.97	2.5	0.70	J
79-01-6	Trichloroethene	0.80	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	0.19	2.5	0.17	J
179601-23-1	p/m-Xylene	1.8	2.5	0.70	J
95-47-6	o-Xylene	0.74	2.5	0.70	J
156-59-2	cis-1,2-Dichloroethene	3.2	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	2.0	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	0.57	10	0.27	J
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-06	**Date Collected**	: 09/04/24 09:30
Client ID	: BR-15 (090424)	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/10/24 13:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: V05240910A09	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	25	2.5	0.70	
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-07	**Date Collected**	: 09/04/24 00:00
Client ID	: TRIP BLANK (090424)	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/10/24 13:28
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: V05240910A08	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-07	**Date Collected**	: 09/04/24 00:00
Client ID	: TRIP BLANK (090424)	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/10/24 13:28
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: V05240910A08	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2450744-07	**Date Collected**	: 09/04/24 00:00
Client ID	: TRIP BLANK (090424)	**Date Received**	: 09/05/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO, NY	**Date Analyzed**	: 09/10/24 13:28
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: V05240910A08	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: WG1970082-5	**Date Collected**	: NA
Client ID	: WG1970082-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 12:12
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05240910A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: WG1970082-5	**Date Collected**	: NA
Client ID	: WG1970082-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 12:12
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05240910A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: WG1970082-5	**Date Collected**	: NA
Client ID	: WG1970082-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 12:12
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05240910A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: WG1970371-5	**Date Collected**	: NA
Client ID	: WG1970371-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 21:34
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: VE240910N05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: WG1970371-5	**Date Collected**	: NA
Client ID	: WG1970371-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 21:34
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: VE240910N05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2450744
Project Name	: NMLNB Q2 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: WG1970371-5	**Date Collected**	: NA
Client ID	: WG1970371-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 21:34
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: VE240910N05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Advantage, Inc.**	**Lab Number**	**: L2450744**
Project Name	**: NMLNB Q2 2024 GW SAMPLING**	**Project Number**	**: 00913**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL21358**
Calibration dates	**: 07/31/24 18:35 07/31/24 22:22**		

Calibration Files

L11 =VE240731N03.D L1 =VE240731N05.D L2 =VE240731N07.D L3 =VE240731N08.D L4 =VE240731N09.D

L6 =VE240731N10.D L8 =VE240731N11.D L10 =VE240731N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.138	0.246	0.220	0.243	0.243	0.244	0.235	0.224	17.36
3)	TP	Chloromethane		0.199	0.251	0.263	0.261	0.259	0.260	0.256	0.250	9.09
4)	TP	Vinyl chloride	0.163	0.159	0.248	0.243	0.263	0.260	0.265	0.260	0.233	19.30
5)	TP	Bromomethane		0.043	0.054	0.058	0.067	0.084	0.095	0.102	*Q	0.9983
6)	TP	Chloroethane		0.109	0.166	0.154	0.151	0.153	0.144	0.107	0.140	16.43
7)	TP	Trichlorofluor		0.189	0.262	0.254	0.291	0.294	0.295	0.287	0.267	14.21
8)	TP	Ethyl ether		0.098	0.094	0.106	0.111	0.111	0.108	0.108	0.105	6.41
10)	TP	1,1-Dichloroet		0.128	0.165	0.154	0.168	0.170	0.170	0.165	0.160	9.41
11)	TP	Carbon disulfide		0.423	0.489	0.504	0.523	0.517	0.512	0.493	0.494	6.86
12)	TP	Freon-113		0.120	0.172	0.163	0.178	0.178	0.183	0.175	0.167	13.06
13)	TP	Iodomethane			0.056	0.087	0.130	0.163	0.172	0.180	*Q	0.9978
14)	TP	Acrolein		0.042	0.047	0.044	0.045	0.045	0.046	0.048	0.045	4.40
15)	TP	Methylene chlo		0.219	0.207	0.204	0.201	0.197	0.195	0.191	0.202	4.65
17)	TP	Acetone			0.094	0.071	0.077	0.071	0.065	0.063	0.073	15.12
18)	TP	trans-1,2-Dich		0.134	0.173	0.177	0.180	0.183	0.181	0.176	0.172	9.89
19)	TP	Methyl acetate		0.231	0.183	0.165	0.161	0.156	0.153	0.149	0.171	16.75
21)	TP	Methyl tert butyl ether		0.595	0.630	0.676	0.661	0.657	0.646	0.629	0.642	4.16
22)	TP	tert-Butyl alc		0.021	0.023	0.024	0.024	0.023	0.023	0.023	0.023	4.09
24)	TP	Diisopropyl ether		0.797	0.878	0.965	0.985	0.960	0.936	0.916	0.920	7.03
25)	TP	1,1-Dichloroet		0.339	0.407	0.424	0.424	0.420	0.409	0.405	0.404	7.39
26)	TP	Halothane		0.117	0.137	0.142	0.147	0.145	0.143	0.141	0.139	7.40
27)	TP	Acrylonitrile		0.076	0.081	0.088	0.089	0.087	0.086	0.084	0.084	5.26
28)	TP	Ethyl tert-but		0.694	0.779	0.838	0.837	0.826	0.811	0.800	0.798	6.32
29)	TP	Vinyl acetate		0.679	0.649	0.556	0.550	0.513	0.670	0.667	0.612	11.34
30)	TP	cis-1,2-Dichlo		0.183	0.211	0.211	0.208	0.214	0.211	0.205	0.206	5.19
31)	TP	2,2-Dichloropr		0.240	0.279	0.270	0.284	0.278	0.279	0.263	0.270	5.58
33)	TP	Bromochloromet		0.089	0.091	0.096	0.096	0.091	0.086	0.085	0.091#	4.89
34)	TP	Cyclohexane		0.384	0.496	0.452	0.498	0.498	0.499	0.484	0.473	8.98
35)	TP	Chloroform		0.303	0.352	0.346	0.336	0.339	0.333	0.335	0.335	4.66
36)	TP	Ethyl acetate		0.314	0.226	0.262	0.255	0.249	0.243	0.242	0.256	11.00
37)	TP	Carbon tetrachloride	0.229	0.188	0.270	0.260	0.275	0.275	0.279	0.271	0.256	12.38
38)	TP	Tetrahydrofuran		0.087	0.083	0.081	0.080	0.078	0.074	0.073	0.079	5.85
39)	S	Dibromofluoromethane	0.242	0.242	0.240	0.238	0.232	0.231	0.224	0.223	0.234	3.26
40)	TP	1,1,1-Trichlor		0.265	0.301	0.310	0.316	0.315	0.315	0.308	0.304	5.96
42)	TP	2-Butanone			0.118	0.104	0.105	0.104	0.100	0.099	0.105	6.40

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Advantage, Inc.**	**Lab Number**	**: L2450744**
Project Name	**: NMLNB Q2 2024 GW SAMPLING**	**Project Number**	**: 00913**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL21358**
Calibration dates	**: 07/31/24 18:35 07/31/24 22:22**		

Calibration Files

L11 =VE240731N03.D L1 =VE240731N05.D L2 =VE240731N07.D L3 =VE240731N08.D L4 =VE240731N09.D

L6 =VE240731N10.D L8 =VE240731N11.D L10 =VE240731N12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
43) TP	1,1-Dichloropr		0.193	0.259	0.260	0.270	0.271	0.271	0.268	0.256	11.09
45) TP	Benzene	0.719	0.654	0.814	0.838	0.839	0.835	0.825	0.813	0.792	8.59
46) TP	Tertiary-Amyl Methyl Ether		0.549	0.579	0.619	0.622	0.611	0.607	0.598	0.598	4.33
47) S	1,2-Dichloroethane-d4	0.326	0.322	0.322	0.316	0.305	0.309	0.298	0.302	0.312	3.33
48) T	1,2-Dichloroet		0.295	0.300	0.320	0.314	0.310	0.303	0.299	0.306	2.93
51) TP	Methyl cyclohe		0.281	0.360	0.333	0.364	0.386	0.390	0.377	0.356	10.67
52) TP	Trichloroethene	0.193	0.161	0.200	0.210	0.217	0.216	0.201	0.195	0.199#	8.96
54) TP	Dibromomethane		0.096	0.116	0.120	0.119	0.118	0.116	0.117	0.115	7.18
55) TP	1,2-Dichloropr		0.215	0.233	0.249	0.248	0.246	0.242	0.239	0.239	5.05
57) TP	2-Chloroethyl		0.127	0.145	0.157	0.163	0.167	0.160	0.158	0.154	8.95
58) TP	Bromodichlorom		0.250	0.293	0.294	0.289	0.290	0.286	0.282	0.283#	5.40
61) TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	1.58
62) TP	cis-1,3-Dichloropropene	0.241	0.293	0.316	0.341	0.345	0.345	0.339	0.334	0.319	11.31
63) I	Chlorobenzene-d5	----------ISTD----------									
64) S	Toluene-d8	1.316	1.311	1.306	1.323	1.314	1.308	1.321	1.339	1.317	0.79
65) TP	Toluene		0.596	0.701	0.712	0.711	0.697	0.702	0.700	0.689	5.96
66) TP	4-Methyl-2-pen		0.096	0.114	0.124	0.124	0.122	0.121	0.120	0.117	8.43
67) TP	Tetrachloroethene		0.219	0.288	0.302	0.312	0.308	0.313	0.307	0.293	11.47
69) TP	trans-1,3-Dichloropropene	0.319	0.359	0.375	0.414	0.420	0.408	0.405	0.402	0.388	8.92
71) TP	Ethyl methacry		0.356	0.363	0.387	0.378	0.367	0.368	0.365	0.369	2.79
72) TP	1,1,2-Trichlor		0.183	0.190	0.204	0.201	0.193	0.192	0.190	0.193#	3.69
73) TP	Chlorodibromom		0.230	0.258	0.281	0.283	0.277	0.281	0.281	0.270	7.23
74) TP	1,3-Dichloropr		0.369	0.398	0.430	0.429	0.412	0.410	0.409	0.408	5.11
75) TP	1,2-Dibromoethane		0.216	0.223	0.237	0.236	0.229	0.228	0.230	0.228	3.24
77) TP	2-Hexanone		0.238	0.227	0.234	0.233	0.225	0.221	0.222	0.229	2.91
78) TP	Chlorobenzene		0.673	0.728	0.767	0.755	0.737	0.742	0.734	0.734	4.10
79) TP	Ethylbenzene		1.142	1.358	1.408	1.393	1.353	1.359	1.329	1.335	6.66
80) TP	1,1,1,2-Tetrac		0.215	0.270	0.287	0.286	0.276	0.276	0.273	0.269	9.12
81) TP	p/m Xylene		0.447	0.521	0.548	0.535	0.510	0.508	0.492	0.509	6.43
82) TP	o Xylene		0.454	0.508	0.533	0.516	0.497	0.495	0.479	0.497	5.16
83) TP	Styrene		0.718	0.838	0.886	0.858	0.817	0.812	0.779	0.816	6.74
84) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85) TP	Bromoform		0.284	0.320	0.331	0.334	0.334	0.338	0.337	0.325	5.92
87) TP	Isopropylbenzene		1.911	2.394	2.445	2.472	2.475	2.556	2.509	2.395	9.15
88) S	4-Bromofluorobenzene	0.912	0.926	0.900	0.927	0.899	0.923	0.942	0.959	0.924	2.20
89) TP	Bromobenzene		0.539	0.594	0.625	0.612	0.613	0.627	0.622	0.605	5.15

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Advantage, Inc.**	**Lab Number**	**: L2450744**
Project Name	**: NMLNB Q2 2024 GW SAMPLING**	**Project Number**	**: 00913**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL21466**
Calibration dates	**: 09/06/24 17:39 09/06/24 21:53**		

Calibration Files
L11 =V05240906N03.D L1 =V05240906N05.D L2 =V05240906N07.D L3 =V05240906N09.D L4 =V05240906N10.D
L6 =V05240906N11.D L8 =V05240906N12.D L10 =V05240906N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40)	TP	1,1-Dichloropr		0.198	0.267	0.309	0.312	0.312	0.302	0.302	0.286	14.66
41)	TP	Benzene	0.774	0.700	0.838	0.913	0.905	0.893	0.857	0.861	0.842	8.64
42)	TP	Tertiary-Amyl Methyl Ether		0.297	0.376	0.439	0.478	0.504	0.502	0.512	0.444	18.16
43)	S	1,2-Dichloroethane-d4	0.296	0.300	0.300	0.301	0.282	0.275	0.278	0.278	0.289	4.02
44)	TP	1,2-Dichloroet		0.261	0.296	0.288	0.285	0.278	0.270	0.271	0.278	4.35
47)	TP	Methyl cyclohe		0.273	0.336	0.421	0.416	0.427	0.414	0.417	0.386	15.24
48)	TP	Trichloroethene	0.263	0.209	0.259	0.261	0.258	0.257	0.248	0.251	0.251	7.07
50)	TP	Dibromomethane		0.116	0.132	0.130	0.131	0.133	0.132	0.136	0.130	5.13
51)	TP	1,2-Dichloropr		0.168	0.208	0.222	0.222	0.222	0.215	0.216	0.210	9.28
53)	TP	2-Chloroethyl			0.079	0.101	0.117	0.126	0.127	0.127	0.113	17.35
54)	TP	Bromodichlorom		0.281	0.299	0.310	0.314	0.319	0.312	0.321	0.308	4.54
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001#	16.96
58)	TP	cis-1,3-Dichlo		0.235	0.284	0.334	0.352	0.360	0.349	0.355	0.324	14.55
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.224	1.228	1.254	1.244	1.203	1.177	1.164	1.167	1.208	2.93
61)	TP	Toluene		0.603	0.733	0.751	0.727	0.718	0.690	0.692	0.702	6.95
62)	TP	4-Methyl-2-pen			0.042	0.054	0.059	0.063	0.067	0.065	0.058	15.95
63)	TP	Tetrachloroethene		0.304	0.365	0.400	0.389	0.386	0.371	0.378	0.370	8.50
65)	TP	trans-1,3-Dich		0.250	0.312	0.360	0.368	0.373	0.365	0.364	0.342	13.28
67)	TP	Ethyl methacry			0.171	0.213	0.240	0.252	0.256	0.253	0.231	14.48
68)	TP	1,1,2-Trichlor		0.140	0.186	0.182	0.181	0.179	0.175	0.173	0.174#	8.82
69)	TP	Chlorodibromom		0.248	0.279	0.295	0.300	0.312	0.314	0.325	0.296	8.73
70)	TP	1,3-Dichloropr		0.283	0.348	0.365	0.358	0.352	0.341	0.339	0.341	7.91
71)	TP	1,2-Dibromoethane		0.155	0.216	0.246	0.251	0.254	0.256	0.258	0.234	16.06
72)	TP	2-Hexanone			0.084	0.104	0.118	0.127	0.133	0.129	0.116	16.16
73)	TP	Chlorobenzene		0.727	0.837	0.870	0.854	0.855	0.828	0.837	0.830	5.71
74)	TP	Ethylbenzene		1.144	1.341	1.518	1.498	1.486	1.420	1.407	1.402	9.22
75)	TP	1,1,1,2-Tetrac		0.252	0.296	0.310	0.317	0.322	0.313	0.322	0.305	8.12
76)	TP	p/m Xylene		0.383	0.510	0.599	0.597	0.587	0.560	0.553	0.541	14.11
77)	TP	o Xylene		0.346	0.473	0.566	0.568	0.564	0.538	0.534	0.513	15.75
78)	TP	Styrene		0.523	0.798	0.940	0.960	0.943	0.900	0.876	0.849	18.10
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.249	0.260	0.273	0.297	0.320	0.329	0.346	0.296	12.48
82)	TP	Isopropylbenzene		1.594	2.062	2.466	2.480	2.552	2.464	2.572	2.313	15.57
83)	S	4-Bromofluorobenzene	0.722	0.722	0.711	0.676	0.665	0.675	0.681	0.700	0.694	3.25
84)	TP	Bromobenzene		0.546	0.597	0.607	0.611	0.623	0.619	0.654	0.608	5.42

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N17.D
Acq On : 1 Aug 2024 12:28 am
Operator : ELAINE:MKS
Sample : C8260STD10PPB
Misc : WG1954249
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 01 12:14:14 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene		1.000	1.000	0.0	102	0.00
2	TP	Dichlorodifluoromethane		0.224	0.184	17.9	85	0.00
3	TP	Chloromethane		0.250	0.279	-11.6	108	0.00
4	TP	Vinyl chloride		0.233	0.239	-2.6	100	0.00
5	TP	Bromomethane	*	10.000	9.312	6.9	112	0.00
6	TP	Chloroethane		0.140	0.152	-8.6	101	0.00
7	TP	Trichlorofluoromethane		0.267	0.291	-9.0	117	0.00
8	TP	Ethyl ether		0.105	0.106	-1.0	102	0.00
10	TP	1,1-Dichloroethene		0.160	0.160	0.0	105	0.00
11	TP	Carbon disulfide		0.494	0.453	8.3	92	0.00
12	TP	Freon-113		0.167	0.181	-8.4	113	0.00
13	TP	Iodomethane	*	10.000	5.388	46.1#	62	0.00
14	TP	Acrolein		0.045	0.032	28.9#	75	0.00
15	TP	Methylene chloride		0.202	0.202	0.0	101	0.00
17	TP	Acetone		0.073	0.073	0.0	105	0.00
18	TP	trans-1,2-Dichloroethene		0.172	0.181	-5.2	104	0.00
19	TP	Methyl acetate		0.171	0.151	11.7	93	0.00
21	TP	Methyl tert-butyl ether		0.642	0.561	12.6	85	0.00
22	TP	tert-Butyl alcohol		0.023	0.022	4.3	96	0.00
24	TP	Diisopropyl ether		0.920	0.922	-0.2	97	0.00
25	TP	1,1-Dichloroethane		0.404	0.436	-7.9	105	0.00
26	TP	Halothane		0.139	0.154	-10.8	111	0.00
27	TP	Acrylonitrile		0.084	0.077	8.3	89	0.00
28	TP	Ethyl tert-butyl ether		0.798	0.794	0.5	97	0.00
29	TP	Vinyl acetate		0.612	0.506	17.3	93	0.00
30	TP	cis-1,2-Dichloroethene		0.206	0.210	-1.9	101	0.00
31	TP	2,2-Dichloropropane		0.270	0.248	8.1	93	0.00
33	TP	Bromochloromethane		0.091	0.092#	-1.1	97	0.00
34	TP	Cyclohexane		0.473	0.498	-5.3	112	0.00
35	TP	Chloroform		0.335	0.346	-3.3	102	0.00
36	TP	Ethyl acetate		0.256	0.246	3.9	96	0.00
37	TP	Carbon tetrachloride		0.256	0.287	-12.1	112	0.00
38	TP	Tetrahydrofuran		0.079	0.075	5.1	94	0.00
39	S	Dibromofluoromethane		0.234	0.239	-2.1	102	0.00
40	TP	1,1,1-Trichloroethane		0.304	0.321	-5.6	106	0.00
42	TP	2-Butanone		0.105	0.098	6.7	95	0.00
43	TP	1,1-Dichloropropene		0.256	0.286	-11.7	112	0.00
45	TP	Benzene		0.792	0.833	-5.2	101	0.00
46	TP	tert-Amyl methyl ether		0.598	0.569	4.8	94	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N17.D
Acq On : 1 Aug 2024 12:28 am
Operator : ELAINE:MKS
Sample : C8260STD10PPB
Misc : WG1954249
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 01 12:14:14 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	S	1,2-Dichloroethane-d4	0.312	0.314	-0.6	101	0.00
48	T	1,2-Dichloroethane	0.306	0.319	-4.2	102	0.00
51	TP	Methyl cyclohexane	0.356	0.371	-4.2	114	0.00
52	TP	Trichloroethene	0.199	0.216	-8.5	105	0.00
54	TP	Dibromomethane	0.115	0.119	-3.5	101	0.00
55	TP	1,2-Dichloropropane	0.239	0.252	-5.4	103	0.00
57	TP	2-Chloroethyl vinyl ether	0.154	0.137	11.0	89	0.00
58	TP	Bromodichloromethane	0.283	0.287#	-1.4	99	0.00
61	TP	1,4-Dioxane	0.00192	0.00183#	4.7	96	0.00
62	TP	cis-1,3-Dichloropropene	0.319	0.344	-7.8	103	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	S	Toluene-d8	1.317	1.314	0.2	103	0.00
65	TP	Toluene	0.689	0.694	-0.7	102	0.00
66	TP	4-Methyl-2-pentanone	0.117	0.112	4.3	94	0.00
67	TP	Tetrachloroethene	0.293	0.316	-7.8	109	0.00
69	TP	trans-1,3-Dichloropropene	0.388	0.396	-2.1	100	0.00
71	TP	Ethyl methacrylate	0.369	0.356	3.5	96	0.00
72	TP	1,1,2-Trichloroethane	0.193	0.197#	-2.1	100	0.00
73	TP	Chlorodibromomethane	0.270	0.268	0.7	99	0.00
74	TP	1,3-Dichloropropane	0.408	0.422	-3.4	102	0.00
75	TP	1,2-Dibromoethane	0.228	0.226	0.9	99	0.00
77	TP	2-Hexanone	0.229	0.212	7.4	94	0.00
78	TP	Chlorobenzene	0.734	0.773	-5.3	105	0.00
79	TP	Ethylbenzene	1.335	1.426	-6.8	105	0.00
80	TP	1,1,1,2-Tetrachloroethane	0.269	0.286	-6.3	104	0.00
81	TP	p/m Xylene	0.509	0.545	-7.1	104	0.00
82	TP	o Xylene	0.497	0.524	-5.4	102	0.00
83	TP	Styrene	0.816	0.883	-8.2	104	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
85	TP	Bromoform	0.325	0.321	1.2	101	0.00
87	TP	Isopropylbenzene	2.395	2.542	-6.1	108	0.00
88	S	4-Bromofluorobenzene	0.924	0.917	0.8	103	0.00
89	TP	Bromobenzene	0.605	0.612	-1.2	102	0.00
90	TP	n-Propylbenzene	2.861	3.016	-5.4	106	0.00
91	TP	1,4-Dichlorobutane	1.046	0.991	5.3	96	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.508	0.472	7.1	99	0.00
93	TP	4-Ethyltoluene	2.321	2.520	-8.6	108	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N18.D
Acq On : 7 Sep 2024 12:00 am
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 09 11:35:35 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.289	0.296	-2.4	108	0.00
44	TP	1,2-Dichloroethane	0.278	0.283	-1.8	108	0.00
47	TP	Methyl cyclohexane	0.386	0.404	-4.7	106	0.00
48	TP	Trichloroethene	0.251	0.248	1.2	105	0.00
50	TP	Dibromomethane	0.130	0.123	5.4	104	0.00
51	TP	1,2-Dichloropropane	0.210	0.215	-2.4	106	0.00
53	TP	2-Chloroethyl vinyl ether	0.113	0.092	18.6	100	0.00
54	TP	Bromodichloromethane	0.308	0.293#	4.9	104	0.00
57	TP	1,4-Dioxane	0.00131	0.00148#	-13.0	129	0.00
58	TP	cis-1,3-Dichloropropene	0.324	0.332	-2.5	109	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	110	0.00
60	S	Toluene-d8	1.208	1.233	-2.1	109	0.00
61	TP	Toluene	0.702	0.729	-3.8	107	0.00
62	TP	4-Methyl-2-pentanone	0.058	0.054	6.9	111	0.00
63	TP	Tetrachloroethene	0.370	0.381	-3.0	105	0.00
65	TP	trans-1,3-Dichloropropene	0.342	0.356	-4.1	109	0.00
67	TP	Ethyl methacrylate	0.231	0.220	4.8	114	0.00
68	TP	1,1,2-Trichloroethane	0.174	0.181#	-4.0	109	0.00
69	TP	Chlorodibromomethane	0.296	0.288	2.7	107	0.00
70	TP	1,3-Dichloropropane	0.341	0.351	-2.9	106	0.00
71	TP	1,2-Dibromoethane	0.234	0.245	-4.7	109	0.00
72	TP	2-Hexanone	0.116	0.107	7.8	113	0.01
73	TP	Chlorobenzene	0.830	0.860	-3.6	109	0.00
74	TP	Ethylbenzene	1.402	1.401	0.1	101	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.305	0.303	0.7	107	0.00
76	TP	p/m Xylene	0.541	0.565	-4.4	104	0.00
77	TP	o Xylene	0.513	0.534	-4.1	104	0.00
78	TP	Styrene	0.849	0.897	-5.7	105	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
80	TP	Bromoform	0.296	0.287	3.0	112	0.00
82	TP	Isopropylbenzene	2.313	2.087	9.8	90	0.00
83	S	4-Bromofluorobenzene	0.694	0.699	-0.7	110	0.00
84	TP	Bromobenzene	0.608	0.574	5.6	101	0.00
85	TP	n-Propylbenzene	2.702	2.773	-2.6	102	0.00
86	TP	1,4-Dichlorobutane	0.581	0.577	0.7	104	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.402	0.383	4.7	104	0.00
88	TP	4-Ethyltoluene	2.252	2.467	-9.5	109	0.00

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Advantage, Inc.	Lab Number	: L2450744		
Project Name	: NMLNB Q2 2024 GW SAMPLING	Project Number	: 00913		
Instrument ID	: VOA105	Calibration Date	: 09/10/24 10:31		
Lab File ID	: V05240910A01	Init. Calib. Date(s)	: 09/06/24	09/06/24	
Sample No	: WG1970082-2	Init. Calib. Times	: 17:39	21:53	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.21	0.228	-	-8.6	20	106	0
Bromodichloromethane	0.308	0.325	-	-5.5	20	108	0
1,4-Dioxane	0.00131	0.00139*	-	-6.1	20	113	0
cis-1,3-Dichloropropene	0.324	0.345	-	-6.5	20	107	0
Chlorobenzene-d5	1	1	-	0	20	106	0
Toluene-d8	1.208	1.225	-	-1.4	20	104	0
Toluene	0.702	0.753	-	-7.3	20	106	0
4-Methyl-2-pentanone	0.058	0.053	-	8.6	20	105	0
Tetrachloroethene	0.37	0.394	-	-6.5	20	104	0
trans-1,3-Dichloropropene	0.342	0.353	-	-3.2	20	104	0
Ethyl methacrylate	0.231	0.221	-	4.3	20	110	0
1,1,2-Trichloroethane	0.174	0.179*	-	-2.9	20	104	0
Chlorodibromomethane	0.296	0.296	-	0	20	106	0
1,3-Dichloropropane	0.341	0.351	-	-2.9	20	102	0
1,2-Dibromoethane	0.234	0.243	-	-3.8	20	105	0
2-Hexanone	0.116	0.109	-	6	20	111	0
Chlorobenzene	0.83	0.875	-	-5.4	20	107	0
Ethylbenzene	1.402	1.521	-	-8.5	20	106	0
1,1,1,2-Tetrachloroethane	0.305	0.313	-	-2.6	20	107	0
p/m Xylene	0.541	0.611	-	-12.9	20	108	0
o Xylene	0.513	0.575	-	-12.1	20	108	0
Styrene	0.849	0.963	-	-13.4	20	109	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	110	0
Bromoform	0.296	0.273	-	7.8	20	110	0
Isopropylbenzene	2.313	2.398	-	-3.7	20	106	0
4-Bromofluorobenzene	0.694	0.694	-	0	20	113	-.01
Bromobenzene	0.608	0.602	-	1	20	109	0
n-Propylbenzene	2.702	2.852	-	-5.6	20	107	0
1,4-Dichlorobutane	0.581	0.563	-	3.1	20	104	0
1,1,2,2-Tetrachloroethane	0.402	0.359	-	10.7	20	100	0
4-Ethyltoluene	2.252	2.372	-	-5.3	20	108	0
2-Chlorotoluene	1.524	1.606	-	-5.4	20	109	0
1,3,5-Trimethylbenzene	1.987	2.094	-	-5.4	20	107	0
1,2,3-Trichloropropane	0.312	0.289	-	7.4	20	101	0
trans-1,4-Dichloro-2-buten	0.133	0.126	-	5.3	20	106	0
4-Chlorotoluene	1.575	1.652	-	-4.9	20	108	0
tert-Butylbenzene	1.74	1.823	-	-4.8	20	107	0
1,2,4-Trimethylbenzene	1.903	2.004	-	-5.3	20	107	0
sec-Butylbenzene	2.546	2.706	-	-6.3	20	108	0
p-Isopropyltoluene	2.195	2.364	-	-7.7	20	108	0
1,3-Dichlorobenzene	1.201	1.246	-	-3.7	20	109	0
1,4-Dichlorobenzene	1.235	1.251	-	-1.3	20	109	0
p-Diethylbenzene	1.271	1.35	-	-6.2	20	110	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Advantage, Inc.	Lab Number	: L2450744		
Project Name	: NMLNB Q2 2024 GW SAMPLING	Project Number	: 00913		
Instrument ID	: ELAINE	Calibration Date	: 09/10/24 19:56		
Lab File ID	: VE240910N01	Init. Calib. Date(s)	: 07/31/24	07/31/24	
Sample No	: WG1970371-2	Init. Calib. Times	: 18:35	22:22	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	138	-.01
Dichlorodifluoromethane	0.224	0.211	-	5.8	20	132	0
Chloromethane	0.25	0.221	-	11.6	20	116	0
Vinyl chloride	0.233	0.242	-	-3.9	20	137	0
Bromomethane	10	12.42	-	-24.2*	20	206	0
Chloroethane	0.14	0.149	-	-6.4	20	134	0
Trichlorofluoromethane	0.267	0.269	-	-0.7	20	146	0
1,1-Dichloroethene	0.16	0.166	-	-3.8	20	148	0
Carbon disulfide	0.494	0.516	-	-4.5	20	141	0
Freon-113	0.167	0.175	-	-4.8	20	148	0
Methylene chloride	0.202	0.195	-	3.5	20	132	0
Acetone	0.073	0.038	-	47.9*	20	74	-.02
trans-1,2-Dichloroethene	0.172	0.187	-	-8.7	20	146	0
Methyl acetate	0.171	0.105	-	38.6*	20	88	-.01
Methyl tert-butyl ether	0.642	0.55	-	14.3	20	112	0
1,1-Dichloroethane	0.404	0.4	-	1	20	130	-.01
cis-1,2-Dichloroethene	0.206	0.21	-	-1.9	20	137	0
Bromochloromethane	0.091	0.1*	-	-9.9	20	143	0
Cyclohexane	0.473	0.427	-	9.7	20	131	-.01
Chloroform	0.335	0.339	-	-1.2	20	135	-.01
Carbon tetrachloride	0.256	0.264	-	-3.1	20	140	-.01
Dibromofluoromethane	0.234	0.236	-	-0.9	20	137	-.01
1,1,1-Trichloroethane	0.304	0.309	-	-1.6	20	137	-.01
2-Butanone	0.105	0.062	-	41*	20	82	-.02
Benzene	0.792	0.827	-	-4.4	20	136	0
1,2-Dichloroethane-d4	0.312	0.272	-	12.8	20	119	-.01
1,2-Dichloroethane	0.306	0.269	-	12.1	20	116	-.01
Methyl cyclohexane	0.356	0.349	-	2	20	145	0
Trichloroethene	0.199	0.206	-	-3.5	20	135	-.01
1,2-Dichloropropane	0.239	0.229	-	4.2	20	127	-.01
Bromodichloromethane	0.283	0.267*	-	5.7	20	125	-.01
1,4-Dioxane	0.00192	0.00138*	-	28.1*	20	98	-.02
cis-1,3-Dichloropropene	0.319	0.304	-	4.7	20	123	-.01
Chlorobenzene-d5	1	1	-	0	20	145	0
Toluene-d8	1.317	1.274	-	3.3	20	139	0
Toluene	0.689	0.704	-	-2.2	20	143	0
4-Methyl-2-pentanone	0.117	0.076	-	35*	20	89	-.02
Tetrachloroethene	0.293	0.333	-	-13.7	20	159	-.01
trans-1,3-Dichloropropene	0.388	0.329	-	15.2	20	115	0
1,1,2-Trichloroethane	0.193	0.172*	-	10.9	20	122	-.01
Chlorodibromomethane	0.27	0.249	-	7.8	20	128	0
1,2-Dibromoethane	0.228	0.204	-	10.5	20	124	-.01
2-Hexanone	0.229	0.122	-	46.7*	20	75	-.01

* Value outside of QC limits.

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

766 New Babcock St., Buffalo, NY
Pace Analytical Services SDG#L2471665
April 15, 2025
Sampling date: 12/4/2024

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental Advantage, Inc., project located at 766 New Babcock St., Buffalo, NY, Pace Analytical Services SDG #L2471665 submitted to Vali-Data of WNY, LLC on January 24, 2025. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analysis using the USEPA method Volatile Organics (8260D).

ID	Sample ID	Laboratory ID
1	BR-01 (120424)	L2471665-01
2	BR-02 (120424)	L2471665-02
3	BR-02 (120424) DUPLICATE	L2471665-03
4	BR-03 (120424)	L2471665-04
5	BR-13 (120424)	L2471665-05
6	BR-15 (120424)	L2471665-06
7	TRIP BLANK (120424)	L2471665-07

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in MS/MSD, Initial Calibration

and Continuing Calibration.

Samples: DUSR ID#1-#3 and #6 were diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except a couple of target analytes were outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	%Rec 1MS	%Rec 1MSD	Qualifier	Associated Sample
1,1,1-Trichloroethane	120	140	JH	1
cis-1,2-Dichloroethene	150	150	JH	1

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the initial calibration (ICal)

and/or the initial calibration verification (ICV) and should be qualified as estimated in the associated samples blanks and spikes.

ICal/ICV instrument	Target Analyte	RRF/%D	Qualifier	Associated Sample
ICal/ICV VOA108	1,4-Dioxane	RRF/-21.4	UJ/J	WG2008507, 1-7, 1MS/MSD

CONTINUING CALIBRATION

All criteria were met except a couple of target analytes were outside QC limits in the continuing calibration and should be qualified as estimated in the associated samples blanks and spikes.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
WG2008507-2	1,4-Dioxane	RRF	UJ/J	WG2008507, 1-7, 1MS/MSD
WG2008507-2	1,2-Dichloroethane	23.9	UJ/J	WG2008507, 1-7, 1MS/MSD

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK

All criteria were met.

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelley Wolf Report Date: 12/12/24

Title: Technical Director/Representative

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	**Project Number**	: 00913
Client Sample ID	: BR-01 (120424)	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2471665-01	**Analysis Date**	: 12/11/24 23:47
Matrix Spike	: WG2008507-6	**MS Analysis Date**	: 12/12/24 05:00
Matrix Spike Dup	: WG2008507-7	**MSD Analysis Date**	: 12/12/24 05:22

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	20	20	100	20	20	100	0	70-130	20
1,1-Dichloroethane	64	20	79	75	20	82	90	4	70-130	20
Chloroform	ND	20	20	100	20	20	100	0	70-130	20
Carbon tetrachloride	ND	20	20	100	20	21	105	5	63-132	20
1,2-Dichloropropane	ND	20	18	90	20	19	95	5	70-130	20
Dibromochloromethane	ND	20	19	95	20	20	100	5	63-130	20
1,1,2-Trichloroethane	ND	20	19	95	20	20	100	5	70-130	20
Tetrachloroethene	0.46J	20	24	120	20	25	125	4	70-130	20
Chlorobenzene	ND	20	20	100	20	21	105	5	75-130	20
Trichlorofluoromethane	ND	20	20	100	20	21	105	5	62-150	20
1,2-Dichloroethane	ND	20	18	90	20	18	90	0	70-130	20
1,1,1-Trichloroethane	92	20	120	140 Q	20	120	140 Q	0	67-130	20
Bromodichloromethane	ND	20	18	90	20	19	95	5	67-130	20
trans-1,3-Dichloropropene	ND	20	16	80	20	17	85	6	70-130	20
cis-1,3-Dichloropropene	ND	20	17	85	20	17	85	0	70-130	20
Bromoform	ND	20	17	85	20	18	90	6	54-136	20
1,1,2,2-Tetrachloroethane	ND	20	18	90	20	19	95	5	67-130	20
Benzene	ND	20	20	100	20	21	105	5	70-130	20
Toluene	ND	20	21	105	20	22	110	5	70-130	20
Ethylbenzene	ND	20	20	100	20	21	105	5	70-130	20
Chloromethane	ND	20	18	90	20	20	100	11	64-130	20
Bromomethane	ND	20	20	100	20	24	120	18	39-139	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Environmental Advantage, Inc.	Lab Number	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	Project Number	: 00913
Client Sample ID	: BR-01 (120424)	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2471665-01	Analysis Date	: 12/11/24 23:47
Matrix Spike	: WG2008507-6	MS Analysis Date	: 12/12/24 05:00
Matrix Spike Dup	: WG2008507-7	MSD Analysis Date	: 12/12/24 05:22

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Vinyl chloride	140	20	150	50 Q	20	160	100	6	55-140	20
Chloroethane	24	20	43	95	20	46	110	7	55-138	20
1,1-Dichloroethene	1.4	20	22	103	20	25	118	13	61-145	20
trans-1,2-Dichloroethene	1.5J	20	23	115	20	24	120	4	70-130	20
Trichloroethene	2.2	20	23	104	20	24	109	4	70-130	20
1,2-Dichlorobenzene	ND	20	21	105	20	21	105	0	70-130	20
1,3-Dichlorobenzene	ND	20	21	105	20	22	110	5	70-130	20
1,4-Dichlorobenzene	ND	20	20	100	20	21	105	5	70-130	20
Methyl tert butyl ether	0.36J	20	17	85	20	18	90	6	63-130	20
p/m-Xylene	ND	40	42	105	40	44	110	5	70-130	20
o-Xylene	ND	40	42	105	40	44	110	5	70-130	20
cis-1,2-Dichloroethene	200	20	230	150 Q	20	230	150 Q	0	70-130	20
Styrene	ND	40	40	100	40	41	103	2	70-130	20
Dichlorodifluoromethane	ND	20	14	70	20	16	80	13	36-147	20
Acetone	ND	20	21	105	20	21	105	0	58-148	20
Carbon disulfide	ND	20	19	95	20	21	105	10	51-130	20
2-Butanone	ND	20	22	110	20	22	110	0	63-138	20
4-Methyl-2-pentanone	ND	20	15	75	20	16	80	6	59-130	20
2-Hexanone	ND	20	17	85	20	18	90	6	57-130	20
Bromochloromethane	ND	20	23	115	20	23	115	0	70-130	20
1,2-Dibromoethane	ND	20	19	95	20	20	100	5	70-130	20
1,2-Dibromo-3-chloropropane	ND	20	17	85	20	18	90	6	41-144	20

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	Project Number	: 00913
Lab ID	: L2471665-01D	Date Collected	: 12/04/24 11:26
Client ID	: BR-01 (120424)	Date Received	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	Date Analyzed	: 12/11/24 23:47
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08241211N12	Instrument ID	: VOA108
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.0	1.4	U
75-34-3	1,1-Dichloroethane	64	5.0	1.4	
67-66-3	Chloroform	ND	5.0	1.4	U
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	0.46	1.0	0.36	J
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	92	5.0	1.4	
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	ND	1.0	0.32	U
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	ND	5.0	1.4	U
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND	5.0	1.4	U
75-01-4	Vinyl chloride	140	2.0	0.14	
75-00-3	Chloroethane	24	5.0	1.4	
75-35-4	1,1-Dichloroethene	1.4	1.0	0.34	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	Project Number	: 00913
Lab ID	: L2471665-01D	Date Collected	: 12/04/24 11:26
Client ID	: BR-01 (120424)	Date Received	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	Date Analyzed	: 12/11/24 23:47
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08241211N12	Instrument ID	: VOA108
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	1.5	5.0	1.4	J
79-01-6	Trichloroethene	2.2	1.0	0.35	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	0.36	5.0	0.33	J
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	200	5.0	1.4	
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	ND	10	2.9	U
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	ND	10	3.9	U
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U
591-78-6	2-Hexanone	ND	10	2.0	U
74-97-5	Bromochloromethane	ND	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
79-20-9	Methyl Acetate	ND	4.0	0.47	U
110-82-7	Cyclohexane	ND	20	0.54	U
123-91-1	1,4-Dioxane	ND	500	120	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2471665-01D	**Date Collected**	: 12/04/24 11:26
Client ID	: BR-01 (120424)	**Date Received**	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	**Date Analyzed**	: 12/11/24 23:47
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08241211N12	**Instrument ID**	: VOA108
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	22	5.0	1.4	
108-87-2	Methyl cyclohexane	ND	20	0.79	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	Project Number	: 00913
Lab ID	: L2471665-02D	Date Collected	: 12/04/24 10:50
Client ID	: BR-02 (120424)	Date Received	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	Date Analyzed	: 12/11/24 23:25
Sample Matrix	: WATER	Dilution Factor	: 4
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08241211N11	Instrument ID	: VOA108
Sample Amount	: 2.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	10	2.8	U
75-34-3	1,1-Dichloroethane	140	10	2.8	
67-66-3	Chloroform	ND	10	2.8	U
56-23-5	Carbon tetrachloride	ND	2.0	0.54	U
78-87-5	1,2-Dichloropropane	ND	4.0	0.55	U
124-48-1	Dibromochloromethane	ND	2.0	0.60	U
79-00-5	1,1,2-Trichloroethane	ND	6.0	2.0	U
127-18-4	Tetrachloroethene	2.0	2.0	0.72	
108-90-7	Chlorobenzene	ND	10	2.8	U
75-69-4	Trichlorofluoromethane	ND	10	2.8	U
107-06-2	1,2-Dichloroethane	ND	2.0	0.53	U
71-55-6	1,1,1-Trichloroethane	310	10	2.8	
75-27-4	Bromodichloromethane	ND	2.0	0.77	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.66	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.58	U
75-25-2	Bromoform	ND	8.0	2.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.67	U
71-43-2	Benzene	ND	2.0	0.64	U
108-88-3	Toluene	ND	10	2.8	U
100-41-4	Ethylbenzene	ND	10	2.8	U
74-87-3	Chloromethane	ND	10	2.8	U
74-83-9	Bromomethane	ND	10	2.8	U
75-01-4	Vinyl chloride	260	4.0	0.28	
75-00-3	Chloroethane	21	10	2.8	
75-35-4	1,1-Dichloroethene	4.7	2.0	0.68	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	Project Number	: 00913
Lab ID	: L2471665-02D	Date Collected	: 12/04/24 10:50
Client ID	: BR-02 (120424)	Date Received	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	Date Analyzed	: 12/11/24 23:25
Sample Matrix	: WATER	Dilution Factor	: 4
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08241211N11	Instrument ID	: VOA108
Sample Amount	: 2.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	10	2.8	U
79-01-6	Trichloroethene	6.1	2.0	0.70	
95-50-1	1,2-Dichlorobenzene	ND	10	2.8	U
541-73-1	1,3-Dichlorobenzene	ND	10	2.8	U
106-46-7	1,4-Dichlorobenzene	ND	10	2.8	U
1634-04-4	Methyl tert butyl ether	ND	10	0.66	U
179601-23-1	p/m-Xylene	ND	10	2.8	U
95-47-6	o-Xylene	ND	10	2.8	U
156-59-2	cis-1,2-Dichloroethene	440	10	2.8	
100-42-5	Styrene	ND	10	2.8	U
75-71-8	Dichlorodifluoromethane	ND	20	4.0	U
67-64-1	Acetone	ND	20	5.8	U
75-15-0	Carbon disulfide	ND	20	4.0	U
78-93-3	2-Butanone	ND	20	7.8	U
108-10-1	4-Methyl-2-pentanone	ND	20	4.0	U
591-78-6	2-Hexanone	ND	20	4.0	U
74-97-5	Bromochloromethane	ND	10	2.8	U
106-93-4	1,2-Dibromoethane	ND	8.0	2.6	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.8	U
98-82-8	Isopropylbenzene	ND	10	2.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	10	2.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	10	2.8	U
79-20-9	Methyl Acetate	ND	8.0	0.94	U
110-82-7	Cyclohexane	ND	40	1.1	U
123-91-1	1,4-Dioxane	ND	1000	240	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2471665-02D	**Date Collected**	: 12/04/24 10:50
Client ID	: BR-02 (120424)	**Date Received**	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	**Date Analyzed**	: 12/11/24 23:25
Sample Matrix	: WATER	**Dilution Factor**	: 4
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08241211N11	**Instrument ID**	: VOA108
Sample Amount	: 2.5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	54	10	2.8	
108-87-2	Methyl cyclohexane	ND	40	1.6	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	Project Number	: 00913
Lab ID	: L2471665-03D	Date Collected	: 12/04/24 10:50
Client ID	: BR-02 (120424) DUPLICATE	Date Received	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	Date Analyzed	: 12/11/24 23:02
Sample Matrix	: WATER	Dilution Factor	: 4
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08241211N10	Instrument ID	: VOA108
Sample Amount	: 2.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	10	2.8	U
75-34-3	1,1-Dichloroethane	130	10	2.8	
67-66-3	Chloroform	ND	10	2.8	U
56-23-5	Carbon tetrachloride	ND	2.0	0.54	U
78-87-5	1,2-Dichloropropane	ND	4.0	0.55	U
124-48-1	Dibromochloromethane	ND	2.0	0.60	U
79-00-5	1,1,2-Trichloroethane	ND	6.0	2.0	U
127-18-4	Tetrachloroethene	2.1	2.0	0.72	
108-90-7	Chlorobenzene	ND	10	2.8	U
75-69-4	Trichlorofluoromethane	ND	10	2.8	U
107-06-2	1,2-Dichloroethane	ND	2.0	0.53	U
71-55-6	1,1,1-Trichloroethane	300	10	2.8	
75-27-4	Bromodichloromethane	ND	2.0	0.77	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.66	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.58	U
75-25-2	Bromoform	ND	8.0	2.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.67	U
71-43-2	Benzene	ND	2.0	0.64	U
108-88-3	Toluene	ND	10	2.8	U
100-41-4	Ethylbenzene	ND	10	2.8	U
74-87-3	Chloromethane	ND	10	2.8	U
74-83-9	Bromomethane	ND	10	2.8	U
75-01-4	Vinyl chloride	250	4.0	0.28	
75-00-3	Chloroethane	22	10	2.8	
75-35-4	1,1-Dichloroethene	4.8	2.0	0.68	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	Project Number	: 00913
Lab ID	: L2471665-03D	Date Collected	: 12/04/24 10:50
Client ID	: BR-02 (120424) DUPLICATE	Date Received	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	Date Analyzed	: 12/11/24 23:02
Sample Matrix	: WATER	Dilution Factor	: 4
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08241211N10	Instrument ID	: VOA108
Sample Amount	: 2.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	10	2.8	U
79-01-6	Trichloroethene	6.0	2.0	0.70	
95-50-1	1,2-Dichlorobenzene	ND	10	2.8	U
541-73-1	1,3-Dichlorobenzene	ND	10	2.8	U
106-46-7	1,4-Dichlorobenzene	ND	10	2.8	U
1634-04-4	Methyl tert butyl ether	ND	10	0.66	U
179601-23-1	p/m-Xylene	ND	10	2.8	U
95-47-6	o-Xylene	ND	10	2.8	U
156-59-2	cis-1,2-Dichloroethene	430	10	2.8	
100-42-5	Styrene	ND	10	2.8	U
75-71-8	Dichlorodifluoromethane	ND	20	4.0	U
67-64-1	Acetone	ND	20	5.8	U
75-15-0	Carbon disulfide	ND	20	4.0	U
78-93-3	2-Butanone	ND	20	7.8	U
108-10-1	4-Methyl-2-pentanone	ND	20	4.0	U
591-78-6	2-Hexanone	ND	20	4.0	U
74-97-5	Bromochloromethane	ND	10	2.8	U
106-93-4	1,2-Dibromoethane	ND	8.0	2.6	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.8	U
98-82-8	Isopropylbenzene	ND	10	2.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	10	2.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	10	2.8	U
79-20-9	Methyl Acetate	ND	8.0	0.94	U
110-82-7	Cyclohexane	ND	40	1.1	U
123-91-1	1,4-Dioxane	ND	1000	240	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2471665-03D	**Date Collected**	: 12/04/24 10:50
Client ID	: BR-02 (120424) DUPLICATE	**Date Received**	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	**Date Analyzed**	: 12/11/24 23:02
Sample Matrix	: WATER	**Dilution Factor**	: 4
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08241211N10	**Instrument ID**	: VOA108
Sample Amount	: 2.5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	52	10	2.8	
108-87-2	Methyl cyclohexane	ND	40	1.6	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	Project Number	: 00913
Lab ID	: L2471665-04	Date Collected	: 12/04/24 12:00
Client ID	: BR-03 (120424)	Date Received	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	Date Analyzed	: 12/11/24 22:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08241211N09	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	0.77	2.5	0.70	J
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	2.2	2.5	0.70	J
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	Project Number	: 00913
Lab ID	: L2471665-04	Date Collected	: 12/04/24 12:00
Client ID	: BR-03 (120424)	Date Received	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	Date Analyzed	: 12/11/24 22:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08241211N09	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	2.9	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2471665-04	**Date Collected**	: 12/04/24 12:00
Client ID	: BR-03 (120424)	**Date Received**	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	**Date Analyzed**	: 12/11/24 22:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08241211N09	**Instrument ID**	: VOA108
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	Project Number	: 00913
Lab ID	: L2471665-05	Date Collected	: 12/04/24 13:50
Client ID	: BR-13 (120424)	Date Received	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	Date Analyzed	: 12/11/24 22:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08241211N08	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	33	2.5	0.70	
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.37	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	15	2.5	0.70	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	62	1.0	0.07	
75-00-3	Chloroethane	17	2.5	0.70	
75-35-4	1,1-Dichloroethene	0.20	0.50	0.17	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	Project Number	: 00913
Lab ID	: L2471665-05	Date Collected	: 12/04/24 13:50
Client ID	: BR-13 (120424)	Date Received	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	Date Analyzed	: 12/11/24 22:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08241211N08	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	1.3	2.5	0.70	J
79-01-6	Trichloroethene	0.21	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	0.83	2.5	0.17	J
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	43	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2471665-05	**Date Collected**	: 12/04/24 13:50
Client ID	: BR-13 (120424)	**Date Received**	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	**Date Analyzed**	: 12/11/24 22:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08241211N08	**Instrument ID**	: VOA108
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	8.8	2.5	0.70	
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	Project Number	: 00913
Lab ID	: L2471665-06D	Date Collected	: 12/04/24 15:45
Client ID	: BR-15 (120424)	Date Received	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	Date Analyzed	: 12/11/24 21:55
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08241211N07	Instrument ID	: VOA108
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	12	3.5	U
75-34-3	1,1-Dichloroethane	230	12	3.5	
67-66-3	Chloroform	ND	12	3.5	U
56-23-5	Carbon tetrachloride	ND	2.5	0.67	U
78-87-5	1,2-Dichloropropane	ND	5.0	0.68	U
124-48-1	Dibromochloromethane	ND	2.5	0.74	U
79-00-5	1,1,2-Trichloroethane	ND	7.5	2.5	U
127-18-4	Tetrachloroethene	2.8	2.5	0.90	
108-90-7	Chlorobenzene	ND	12	3.5	U
75-69-4	Trichlorofluoromethane	ND	12	3.5	U
107-06-2	1,2-Dichloroethane	ND	2.5	0.66	U
71-55-6	1,1,1-Trichloroethane	220	12	3.5	
75-27-4	Bromodichloromethane	ND	2.5	0.96	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.82	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.72	U
75-25-2	Bromoform	ND	10	3.2	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.84	U
71-43-2	Benzene	ND	2.5	0.80	U
108-88-3	Toluene	6.7	12	3.5	J
100-41-4	Ethylbenzene	ND	12	3.5	U
74-87-3	Chloromethane	ND	12	3.5	U
74-83-9	Bromomethane	ND	12	3.5	U
75-01-4	Vinyl chloride	510	5.0	0.36	
75-00-3	Chloroethane	120	12	3.5	
75-35-4	1,1-Dichloroethene	2.8	2.5	0.84	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	Project Number	: 00913
Lab ID	: L2471665-06D	Date Collected	: 12/04/24 15:45
Client ID	: BR-15 (120424)	Date Received	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	Date Analyzed	: 12/11/24 21:55
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08241211N07	Instrument ID	: VOA108
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	6.2	12	3.5	J
79-01-6	Trichloroethene	2.1	2.5	0.88	J
95-50-1	1,2-Dichlorobenzene	ND	12	3.5	U
541-73-1	1,3-Dichlorobenzene	ND	12	3.5	U
106-46-7	1,4-Dichlorobenzene	ND	12	3.5	U
1634-04-4	Methyl tert butyl ether	ND	12	0.83	U
179601-23-1	p/m-Xylene	4.4	12	3.5	J
95-47-6	o-Xylene	ND	12	3.5	U
156-59-2	cis-1,2-Dichloroethene	720	12	3.5	
100-42-5	Styrene	ND	12	3.5	U
75-71-8	Dichlorodifluoromethane	ND	25	5.0	U
67-64-1	Acetone	ND	25	7.3	U
75-15-0	Carbon disulfide	ND	25	5.0	U
78-93-3	2-Butanone	ND	25	9.7	U
108-10-1	4-Methyl-2-pentanone	ND	25	5.0	U
591-78-6	2-Hexanone	ND	25	5.0	U
74-97-5	Bromochloromethane	ND	12	3.5	U
106-93-4	1,2-Dibromoethane	ND	10	3.2	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	3.5	U
98-82-8	Isopropylbenzene	ND	12	3.5	U
87-61-6	1,2,3-Trichlorobenzene	ND	12	3.5	U
120-82-1	1,2,4-Trichlorobenzene	ND	12	3.5	U
79-20-9	Methyl Acetate	ND	10	1.2	U
110-82-7	Cyclohexane	ND	50	1.4	U
123-91-1	1,4-Dioxane	ND	1200	300	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2471665-06D	**Date Collected**	: 12/04/24 15:45
Client ID	: BR-15 (120424)	**Date Received**	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	**Date Analyzed**	: 12/11/24 21:55
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08241211N07	**Instrument ID**	: VOA108
Sample Amount	: 2 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	70	12	3.5	
108-87-2	Methyl cyclohexane	ND	50	2.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	Project Number	: 00913
Lab ID	: L2471665-07	Date Collected	: 12/04/24 15:20
Client ID	: TRIP BLANK (120424)	Date Received	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	Date Analyzed	: 12/11/24 21:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08241211N06	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	Project Number	: 00913
Lab ID	: L2471665-07	Date Collected	: 12/04/24 15:20
Client ID	: TRIP BLANK (120424)	Date Received	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	Date Analyzed	: 12/11/24 21:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08241211N06	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: L2471665-07	**Date Collected**	: 12/04/24 15:20
Client ID	: TRIP BLANK (120424)	**Date Received**	: 12/06/24
Sample Location	: 766 NEW BABCOCK ST. BUFFALO NY	**Date Analyzed**	: 12/11/24 21:33
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08241211N06	**Instrument ID**	: VOA108
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	Project Number	: 00913
Lab ID	: WG2008507-5	Date Collected	: NA
Client ID	: WG2008507-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/11/24 20:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: TMS
Lab File ID	: V08241211N05	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	Project Number	: 00913
Lab ID	: WG2008507-5	Date Collected	: NA
Client ID	: WG2008507-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/11/24 20:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: TMS
Lab File ID	: V08241211N05	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2471665
Project Name	: NMLNB Q4 2024 GW SAMPLING	**Project Number**	: 00913
Lab ID	: WG2008507-5	**Date Collected**	: NA
Client ID	: WG2008507-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/11/24 20:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: TMS
Lab File ID	: V08241211N05	**Instrument ID**	: VOA108
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Advantage, Inc.**	**Lab Number**	**: L2471665**
Project Name	**: NMLNB Q4 2024 GW SAMPLING**	**Project Number**	**: 00913**
Instrument ID	**: VOA108**	**Ical Ref**	**: ICAL21733**
Calibration dates	**: 11/26/24 04:51 11/26/24 08:34**		

Calibration Files
L11 =V08241126A03.d L1 =V08241126A05.d L2 =V08241126A07.d L3 =V08241126A09.d L4 =V08241126A10.d
L6 =V08241126A11.d L8 =V08241126A12.d L10 =V08241126A13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40)	TP	1,1-Dichloropr		0.279	0.322	0.373	0.374	0.371	0.362	0.368	0.350	10.32
41)	TP	Benzene	0.912	0.930	1.006	1.073	1.054	1.046	1.019	1.040	1.010	5.82
42)	TP	Tertiary-Amyl Methyl Ether		0.546	0.617	0.694	0.703	0.725	0.715	0.738	0.677	10.30
43)	S	1,2-Dichloroethane-d4	0.393	0.391	0.396	0.397	0.390	0.378	0.360	0.364	0.384	3.80
44)	TP	1,2-Dichloroet		0.441	0.457	0.468	0.451	0.434	0.402	0.397	0.436	6.20
47)	TP	Methyl cyclohe		0.260	0.327	0.402	0.408	0.415	0.412	0.420	0.378	16.15
48)	TP	Trichloroethene	0.257	0.214	0.273	0.284	0.282	0.291	0.269	0.273	0.268	8.96
50)	TP	Dibromomethane		0.125	0.146	0.159	0.158	0.156	0.152	0.157	0.150	8.02
51)	TP	1,2-Dichloropr		0.281	0.315	0.336	0.331	0.332	0.320	0.325	0.320	5.85
53)	TP	2-Chloroethyl			0.127	0.151	0.160	0.174	0.171	0.180	0.161	12.14
54)	TP	Bromodichlorom		0.341	0.379	0.406	0.406	0.408	0.391	0.396	0.390	6.08
57)	TP	1,4-Dioxane		0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002#	14.29
58)	TP	cis-1,3-Dichloropropene	0.292	0.317	0.370	0.418	0.437	0.450	0.442	0.456	0.398	16.05
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.325	1.306	1.298	1.327	1.317	1.266	1.293	1.333	1.308	1.69
61)	TP	Toluene		0.718	0.789	0.878	0.847	0.816	0.832	0.872	0.822	6.75
62)	TP	4-Methyl-2-pen			0.091	0.116	0.119	0.121	0.123	0.127	0.116	11.01
63)	TP	Tetrachloroethene		0.309	0.368	0.401	0.385	0.374	0.376	0.392	0.372	8.06
65)	TP	trans-1,3-Dichloropropene	0.366	0.394	0.418	0.479	0.500	0.502	0.510	0.539	0.463	13.42
67)	TP	Ethyl methacry			0.246	0.320	0.339	0.350	0.364	0.384	0.334	14.37
68)	TP	1,1,2-Trichlor		0.182	0.214	0.238	0.229	0.220	0.223	0.236	0.220	8.61
69)	TP	Chlorodibromom		0.282	0.325	0.358	0.364	0.359	0.364	0.385	0.348	9.81
70)	TP	1,3-Dichloropr		0.420	0.457	0.499	0.492	0.476	0.485	0.511	0.477	6.42
71)	TP	1,2-Dibromoethane		0.236	0.242	0.268	0.261	0.255	0.261	0.280	0.258	5.89
72)	TP	2-Hexanone			0.128	0.178	0.194	0.204	0.202	0.201	0.185	15.81
73)	TP	Chlorobenzene		0.865	0.935	0.979	0.961	0.931	0.937	0.974	0.940	4.10
74)	TP	Ethylbenzene		1.328	1.475	1.694	1.663	1.623	1.628	1.671	1.583	8.43
75)	TP	1,1,1,2-Tetrac		0.337	0.341	0.373	0.368	0.363	0.364	0.377	0.360	4.26
76)	TP	p/m Xylene		0.491	0.569	0.668	0.654	0.637	0.636	0.653	0.615	10.34
77)	TP	o Xylene		0.476	0.558	0.640	0.635	0.617	0.612	0.624	0.594	9.93
78)	TP	Styrene		0.741	0.906	1.069	1.057	1.025	1.022	1.034	0.979	12.00
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.301	0.326	0.366	0.369	0.380	0.393	0.455	0.370	13.29
82)	TP	Isopropylbenzene		2.119	2.362	2.780	2.684	2.676	2.751	3.110	2.640	12.03
83)	S	4-Bromofluorobenzene	0.849	0.868	0.813	0.812	0.802	0.824	0.834	0.882	0.836	3.41
84)	TP	Bromobenzene		0.731	0.662	0.720	0.694	0.695	0.713	0.813	0.718	6.63

Evaluate Continuing Calibration Report

Data Path : K:\VOA108\2024\241126AICAL\
Data File : V08241126A18.d
Acq On : 26 Nov 2024 10:26 am
Operator : VOA108:PID
Sample : C8260STD10PPB
Misc : WG2002700,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 27 09:40:26 2024
Quant Method : K:\VOA108\2024\241126AICAL\V108_241126A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 27 09:39:15 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.384	0.365	4.9	116	0.00
44	TP	1,2-Dichloroethane	0.436	0.432	0.9	117	0.00
47	TP	Methyl cyclohexane	0.378	0.397	-5.0	124	0.00
48	TP	Trichloroethene	0.268	0.290	-8.2	129	0.00
50	TP	Dibromomethane	0.150	0.159	-6.0	126	0.00
51	TP	1,2-Dichloropropane	0.320	0.326	-1.9	122	0.00
53	TP	2-Chloroethyl vinyl ether	0.161	0.153	5.0	128	0.00
54	TP	Bromodichloromethane	0.390	0.379	2.8	118	0.00
57	TP	1,4-Dioxane	0.00154	0.00187#	-21.4#	145	0.00
58	TP	cis-1,3-Dichloropropene	0.398	0.408	-2.5	123	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	123	0.00
60	S	Toluene-d8	1.308	1.320	-0.9	122	0.00
61	TP	Toluene	0.822	0.881	-7.2	123	0.00
62	TP	4-Methyl-2-pentanone	0.116	0.125	-7.8	132	0.00
63	TP	Tetrachloroethene	0.372	0.408	-9.7	125	0.00
65	TP	trans-1,3-Dichloropropene	0.463	0.497	-7.3	127	0.00
67	TP	Ethyl methacrylate	0.334	0.386	-15.6	148	0.00
68	TP	1,1,2-Trichloroethane	0.220	0.248	-12.7	128	0.00
69	TP	Chlorodibromomethane	0.348	0.366	-5.2	125	0.00
70	TP	1,3-Dichloropropane	0.477	0.524	-9.9	129	0.00
71	TP	1,2-Dibromoethane	0.258	0.282	-9.3	129	0.00
72	TP	2-Hexanone	0.185	0.188	-1.6	129	0.00
73	TP	Chlorobenzene	0.940	1.004	-6.8	126	0.00
74	TP	Ethylbenzene	1.583	1.692	-6.9	122	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.360	0.375	-4.2	123	0.00
76	TP	p/m Xylene	0.615	0.668	-8.6	123	0.00
77	TP	o Xylene	0.594	0.641	-7.9	123	0.00
78	TP	Styrene	0.979	1.082	-10.5	124	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	120	0.00
80	TP	Bromoform	0.370	0.393	-6.2	129	0.00
82	TP	Isopropylbenzene	2.640	2.775	-5.1	120	0.00
83	S	4-Bromofluorobenzene	0.836	0.818	2.2	121	0.00
84	TP	Bromobenzene	0.718	0.755	-5.2	126	0.00
85	TP	n-Propylbenzene	3.084	3.255	-5.5	122	0.00
86	TP	1,4-Dichlorobutane	0.951	1.076	-13.1	129	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.523	0.523	0.0	120	0.00
88	TP	4-Ethyltoluene	2.627	2.822	-7.4	125	0.00

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Advantage, Inc.	Lab Number	: L2471665		
Project Name	: NMLNB Q4 2024 GW SAMPLING	Project Number	: 00913		
Instrument ID	: VOA108	Calibration Date	: 12/11/24 19:28		
Lab File ID	: V08241211N01	Init. Calib. Date(s)	: 11/26/24	11/26/24	
Sample No	: WG2008507-2	Init. Calib. Times	: 04:51	08:34	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	143	0
Dichlorodifluoromethane	0.318	0.205	-	35.5*	20	83	0
Chloromethane	0.39	0.307	-	21.3*	20	104	0
Vinyl chloride	0.341	0.297	-	12.9	20	117	0
Bromomethane	10	11.559	-	-15.6	20	189	0
Chloroethane	0.188	0.178	-	5.3	20	127	0
Trichlorofluoromethane	0.431	0.32	-	25.8*	20	96	0
Ethyl ether	0.113	0.104	-	8	20	127	0
1,1-Dichloroethene	0.212	0.21	-	0.9	20	136	0
Carbon disulfide	0.757	0.696	-	8.1	20	127	0
Freon-113	0.218	0.202	-	7.3	20	120	0
Acrolein	0.047	0.042	-	10.6	20	112	0
Methylene chloride	0.269	0.25	-	7.1	20	130	0
Acetone	0.068	0.057	-	16.2	20	114	0
trans-1,2-Dichloroethene	0.237	0.24	-	-1.3	20	134	0
Methyl acetate	0.168	0.152	-	9.5	20	121	0
Methyl tert-butyl ether	0.688	0.582	-	15.4	20	117	0
tert-Butyl alcohol	0.021	0.017	-	19	20	110	0
Diisopropyl ether	1.092	1.043	-	4.5	20	126	0
1,1-Dichloroethane	0.581	0.497	-	14.5	20	114	0
Halothane	0.179	0.181	-	-1.1	20	135	0
Acrylonitrile	0.085	0.073	-	14.1	20	110	0
Ethyl tert-butyl ether	0.997	0.846	-	15.1	20	117	0
Vinyl acetate	0.602	0.602	-	0	20	125	0
cis-1,2-Dichloroethene	0.269	0.269	-	0	20	137	0
2,2-Dichloropropane	0.407	0.351	-	13.8	20	115	0
Bromochloromethane	0.13	0.132	-	-1.5	20	138	0
Cyclohexane	0.532	0.468	-	12	20	111	0
Chloroform	0.497	0.432	-	13.1	20	117	0
Ethyl acetate	0.241	0.216	-	10.4	20	122	0
Carbon tetrachloride	0.4	0.329	-	17.8	20	105	0
Tetrahydrofuran	0.069	0.062	-	10.1	20	117	0
Dibromofluoromethane	0.29	0.264	-	9	20	128	0
1,1,1-Trichloroethane	0.439	0.369	-	15.9	20	110	0
2-Butanone	0.102	0.099	-	2.9	20	132	0
1,1-Dichloropropene	0.35	0.314	-	10.3	20	120	0
Benzene	1.01	0.979	-	3.1	20	130	0
tert-Amyl methyl ether	0.677	0.599	-	11.5	20	123	0
1,2-Dichloroethane-d4	0.384	0.289	-	24.7*	20	104	0
1,2-Dichloroethane	0.436	0.332	-	23.9*	20	101	0
Methyl cyclohexane	0.378	0.363	-	4	20	129	0
Trichloroethene	0.268	0.245	-	8.6	20	123	0
Dibromomethane	0.15	0.136	-	9.3	20	122	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Advantage, Inc.	Lab Number	: L2471665		
Project Name	: NMLNB Q4 2024 GW SAMPLING	Project Number	: 00913		
Instrument ID	: VOA108	Calibration Date	: 12/11/24 19:28		
Lab File ID	: V08241211N01	Init. Calib. Date(s)	: 11/26/24	11/26/24	
Sample No	: WG2008507-2	Init. Calib. Times	: 04:51	08:34	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.32	0.28	-	12.5	20	119	0
Bromodichloromethane	0.39	0.323	-	17.2	20	114	0
1,4-Dioxane	0.00154	0.00158*	-	-2.6	20	139	0
cis-1,3-Dichloropropene	0.398	0.358	-	10.1	20	123	0
Chlorobenzene-d5	1	1	-	0	20	139	0
Toluene-d8	1.308	1.32	-	-0.9	20	138	0
Toluene	0.822	0.83	-	-1	20	131	0
4-Methyl-2-pentanone	0.116	0.093	-	19.8	20	111	0
Tetrachloroethene	0.372	0.379	-	-1.9	20	131	0
trans-1,3-Dichloropropene	0.463	0.406	-	12.3	20	118	0
Ethyl methacrylate	0.334	0.296	-	11.4	20	129	0
1,1,2-Trichloroethane	0.22	0.22	-	0	20	128	0
Chlorodibromomethane	0.348	0.319	-	8.3	20	124	0
1,3-Dichloropropane	0.477	0.439	-	8	20	122	0
1,2-Dibromoethane	0.258	0.25	-	3.1	20	130	0
2-Hexanone	0.185	0.162	-	12.4	20	126	0
Chlorobenzene	0.94	0.932	-	0.9	20	132	0
Ethylbenzene	1.583	1.577	-	0.4	20	129	0
1,1,1,2-Tetrachloroethane	0.36	0.33	-	8.3	20	123	0
p/m Xylene	0.615	0.629	-	-2.3	20	131	0
o Xylene	0.594	0.603	-	-1.5	20	131	0
Styrene	0.979	0.97	-	0.9	20	126	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	127	0
Bromoform	0.37	0.338	-	8.6	20	117	0
Isopropylbenzene	2.64	2.827	-	-7.1	20	129	0
4-Bromofluorobenzene	0.836	0.831	-	0.6	20	130	0
Bromobenzene	0.718	0.745	-	-3.8	20	131	0
n-Propylbenzene	3.084	3.259	-	-5.7	20	128	0
1,4-Dichlorobutane	0.951	0.885	-	6.9	20	112	0
1,1,2,2-Tetrachloroethane	0.523	0.536	-	-2.5	20	130	0
4-Ethyltoluene	2.627	2.76	-	-5.1	20	129	0
2-Chlorotoluene	1.886	1.928	-	-2.2	20	126	0
1,3,5-Trimethylbenzene	2.337	2.402	-	-2.8	20	124	0
1,2,3-Trichloropropane	0.452	0.415	-	8.2	20	115	0
trans-1,4-Dichloro-2-buten	0.172	0.143	-	16.9	20	100	0
4-Chlorotoluene	1.972	2.031	-	-3	20	128	0
tert-Butylbenzene	1.944	2.031	-	-4.5	20	126	0
1,2,4-Trimethylbenzene	2.306	2.379	-	-3.2	20	125	0
sec-Butylbenzene	2.83	3.024	-	-6.9	20	128	0
p-Isopropyltoluene	2.453	2.606	-	-6.2	20	127	0
1,3-Dichlorobenzene	1.343	1.455	-	-8.3	20	134	0
1,4-Dichlorobenzene	1.39	1.486	-	-6.9	20	133	0
p-Diethylbenzene	1.465	1.538	-	-5	20	128	0

* Value outside of QC limits.

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

766 New Babcock St., Buffalo, NY
Pace Analytical Services SDG#L2512227
May 9, 2025
Sampling date: 3/5/2025

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Matrix Environmental Technologies, Inc., project located at 766 New Babcock St., Buffalo, NY, Pace Analytical Services SDG #L2512227 submitted to Vali-Data of WNY, LLC on March 13, 2025. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analysis using the USEPA method Volatile Organics (8260D).

ID	Sample ID	Laboratory ID
1	BR-01 (030525)	L2512227-01
2	BR-02 (030525)	L2512227-02
3	BR-02 (030525) DUPLICATE	L2512227-03
4	BR-03 (030525)	L2512227-04
5	BR-13 (030525)	L2512227-05
6	BR-15 (030525)	L2512227-06
7	TRIP BLANK (030525)	L2512227-07

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in MS/MSD, Compound

Quantitation, Initial Calibration and Continuing Calibration.

Samples: DUSR ID#1-#3, #5 and #1MS/MSD were diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except a few target analytes were outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	%Rec #1MS	%Rec #1MSD	RPD	Qualifier	Associated Sample
1,1,1-Trichloroethane	40	0	-	J	1
cis-1,2-Dichloroethene	0	0	-	J	1
Bromomethane	-	-	26	UJ	1

COMPOUND QUANTITATION
All criteria were met except a couple of target analytes were detected in the sample blank and should be qualified in the associated samples in which they were detected.

Blank ID	Target Analyte	Concentration(ug/L)	Qualifier	Associated Sample
7	Bromomethane	.87	U at RL	4, 6
7	Acetone	2.2	U at RL	1, 4

INITIAL CALIBRATION

All criteria were met except a couple of target analytes were outside QC limits in the initial calibration (ICal) and/or the initial calibration verification (ICV) and should be qualified as estimated in the associated samples blanks and spikes.

ICal/ICV instrument	Target Analyte	RRF/%D	Qualifier	Associated Sample
ICal/ICV VOA101	1,4-Dioxane	RRF	UJ/J	WG2039675, 1-7, 1MS/MSD
ICal/ICV VOA101	1,2,3-Trichlorobenzene	RRF	UJ/J	WG2039675, 1-7, 1MS/MSD

CONTINUING CALIBRATION

All criteria were met except a couple of target analytes were outside QC limits in the continuing calibration and should be qualified as estimated in the associated samples blanks and spikes.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
WG2039675-2	1,4-Dioxane	RRF	UJ/J	WG2039675, 1-7, 1MS/MSD
WG2039675-2	1,2,3-Trichlorobenzene	RRF	UJ/J	WG2039675, 1-7, 1MS/MSD

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK

All criteria were met.

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The WG2039675-6/-7 MS/MSD recoveries performed on L2512227-01 are outside the acceptance criteria for 1,1,1-trichloroethane (MSD 0%) and cis-1,2-dichloroethene (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey Report Date: 03/13/25

Title: Technical Director/Representative

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Matrix Environmental Technologies	Lab Number	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	Project Number	: 20-003
Client Sample ID	: BR-01 (030525)	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2512227-01	Analysis Date	: 03/12/25 16:47
Matrix Spike	: WG2039675-6	MS Analysis Date	: 03/12/25 18:33
Matrix Spike Dup	: WG2039675-7	MSD Analysis Date	: 03/12/25 19:00

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	25	25	100	25	25	100	0	70-130	20
1,1-Dichloroethane	110	25	130	80	25	130	80	0	70-130	20
Chloroform	ND	25	25	100	25	26	104	4	70-130	20
Carbon tetrachloride	ND	25	21	84	25	22	88	5	63-132	20
1,2-Dichloropropane	ND	25	26	104	25	26	104	0	70-130	20
Dibromochloromethane	ND	25	24	96	25	24	96	0	63-130	20
1,1,2-Trichloroethane	ND	25	27	108	25	28	112	4	70-130	20
Tetrachloroethene	0.92J	25	27	108	25	27	108	0	70-130	20
Chlorobenzene	ND	25	25	100	25	26	104	4	75-130	20
Trichlorofluoromethane	ND	25	26	104	25	26	104	0	62-150	20
1,2-Dichloroethane	ND	25	25	100	25	26	104	4	70-130	20
1,1,1-Trichloroethane	210	25	220	40 Q	25	210	0 Q	5	67-130	20
Bromodichloromethane	ND	25	24	96	25	24	96	0	67-130	20
trans-1,3-Dichloropropene	ND	25	22	88	25	23	92	4	70-130	20
cis-1,3-Dichloropropene	ND	25	21	84	25	22	88	5	70-130	20
Bromoform	ND	25	23	92	25	24	96	4	54-136	20
1,1,2,2-Tetrachloroethane	ND	25	29	116	25	30	120	3	67-130	20
Benzene	ND	25	26	104	25	27	108	4	70-130	20
Toluene	ND	25	27	108	25	27	108	0	70-130	20
Ethylbenzene	ND	25	26	104	25	26	104	0	70-130	20
Chloromethane	ND	25	21	84	25	22	88	5	64-130	20
Bromomethane	ND	25	17	68	25	22	88	26 Q	39-139	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Matrix Environmental Technologies	Lab Number	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	Project Number	: 20-003
Client Sample ID	: BR-01 (030525)	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2512227-01	Analysis Date	: 03/12/25 16:47
Matrix Spike	: WG2039675-6	MS Analysis Date	: 03/12/25 18:33
Matrix Spike Dup	: WG2039675-7	MSD Analysis Date	: 03/12/25 19:00

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Vinyl chloride	110	25	130	80		25	130	80		0	55-140	20
Chloroethane	6.8	25	37	121		25	38	125		3	55-138	20
1,1-Dichloroethene	3.0	25	29	104		25	30	108		3	61-145	20
trans-1,2-Dichloroethene	ND	25	26	104		25	27	108		4	70-130	20
Trichloroethene	11	25	35	96		25	35	96		0	70-130	20
1,2-Dichlorobenzene	ND	25	25	100		25	26	104		4	70-130	20
1,3-Dichlorobenzene	ND	25	25	100		25	26	104		4	70-130	20
1,4-Dichlorobenzene	ND	25	25	100		25	25	100		0	70-130	20
Methyl tert butyl ether	ND	25	26	104		25	27	108		4	63-130	20
p/m-Xylene	ND	50	52	104		50	52	104		0	70-130	20
o-Xylene	ND	50	51	102		50	52	104		2	70-130	20
cis-1,2-Dichloroethene	340	25	340	0	Q	25	340	0	Q	0	70-130	20
Styrene	ND	50	51	102		50	52	104		2	70-130	20
Dichlorodifluoromethane	ND	25	24	96		25	24	96		0	36-147	20
Acetone	4.4J	25	33	132		25	33	132		0	58-148	20
Carbon disulfide	ND	25	27	108		25	28	112		4	51-130	20
2-Butanone	ND	25	31	124		25	31	124		0	63-138	20
4-Methyl-2-pentanone	ND	25	26	104		25	28	112		7	59-130	20
2-Hexanone	ND	25	25	100		25	26	104		4	57-130	20
Bromochloromethane	ND	25	26	104		25	27	108		4	70-130	20
1,2-Dibromoethane	ND	25	26	104		25	27	108		4	70-130	20
1,2-Dibromo-3-chloropropane	ND	25	24	96		25	24	96		0	41-144	20

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	Project Number	: 20-003
Lab ID	: L2512227-01D	Date Collected	: 03/05/25 11:15
Client ID	: BR-01 (030525)	Date Received	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	Date Analyzed	: 03/12/25 16:47
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250312A22	Instrument ID	: VOA101
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	6.2	1.8	U
75-34-3	1,1-Dichloroethane	110	6.2	1.8	
67-66-3	Chloroform	ND	6.2	1.8	U
56-23-5	Carbon tetrachloride	ND	1.2	0.34	U
78-87-5	1,2-Dichloropropane	ND	2.5	0.34	U
124-48-1	Dibromochloromethane	ND	1.2	0.37	U
79-00-5	1,1,2-Trichloroethane	ND	3.8	1.2	U
127-18-4	Tetrachloroethene	0.92	1.2	0.45	J
108-90-7	Chlorobenzene	ND	6.2	1.8	U
75-69-4	Trichlorofluoromethane	ND	6.2	1.8	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.33	U
71-55-6	1,1,1-Trichloroethane	210	6.2	1.8	
75-27-4	Bromodichloromethane	ND	1.2	0.48	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.41	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.36	U
75-25-2	Bromoform	ND	5.0	1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.42	U
71-43-2	Benzene	ND	1.2	0.40	U
108-88-3	Toluene	ND	6.2	1.8	U
100-41-4	Ethylbenzene	ND	6.2	1.8	U
74-87-3	Chloromethane	ND	6.2	1.8	U
74-83-9	Bromomethane	ND	6.2	1.8	U
75-01-4	Vinyl chloride	110	2.5	0.18	
75-00-3	Chloroethane	6.8	6.2	1.8	
75-35-4	1,1-Dichloroethene	3.0	1.2	0.42	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	Project Number	: 20-003
Lab ID	: L2512227-01D	Date Collected	: 03/05/25 11:15
Client ID	: BR-01 (030525)	Date Received	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	Date Analyzed	: 03/12/25 16:47
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250312A22	Instrument ID	: VOA101
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	6.2	1.8	U
79-01-6	Trichloroethene	11	1.2	0.44	
95-50-1	1,2-Dichlorobenzene	ND	6.2	1.8	U
541-73-1	1,3-Dichlorobenzene	ND	6.2	1.8	U
106-46-7	1,4-Dichlorobenzene	ND	6.2	1.8	U
1634-04-4	Methyl tert butyl ether	ND	6.2	0.42	U
179601-23-1	p/m-Xylene	ND	6.2	1.8	U
95-47-6	o-Xylene	ND	6.2	1.8	U
156-59-2	cis-1,2-Dichloroethene	340	6.2	1.8	
100-42-5	Styrene	ND	6.2	1.8	U
75-71-8	Dichlorodifluoromethane	ND	12	2.5	U
67-64-1	Acetone	4.4	12	3.6	J
75-15-0	Carbon disulfide	ND	12	2.5	U
78-93-3	2-Butanone	ND	12	4.8	U
108-10-1	4-Methyl-2-pentanone	ND	12	2.5	U
591-78-6	2-Hexanone	ND	12	2.5	U
74-97-5	Bromochloromethane	ND	6.2	1.8	U
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	1.8	U
98-82-8	Isopropylbenzene	ND	6.2	1.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U
79-20-9	Methyl Acetate	ND	5.0	0.58	U
110-82-7	Cyclohexane	ND	25	0.68	U
123-91-1	1,4-Dioxane	ND	620	150	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	**Lab Number**	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	**Project Number**	: 20-003
Lab ID	: L2512227-01D	**Date Collected**	: 03/05/25 11:15
Client ID	: BR-01 (030525)	**Date Received**	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	**Date Analyzed**	: 03/12/25 16:47
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250312A22	**Instrument ID**	: VOA101
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	17	6.2	1.8	
108-87-2	Methyl cyclohexane	ND	25	0.99	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	Project Number	: 20-003
Lab ID	: L2512227-02D	Date Collected	: 03/05/25 11:30
Client ID	: BR-02 (030525)	Date Received	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	Date Analyzed	: 03/12/25 17:14
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250312A23	Instrument ID	: VOA101
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	25	7.0	U
75-34-3	1,1-Dichloroethane	200	25	7.0	
67-66-3	Chloroform	ND	25	7.0	U
56-23-5	Carbon tetrachloride	ND	5.0	1.3	U
78-87-5	1,2-Dichloropropane	ND	10	1.4	U
124-48-1	Dibromochloromethane	ND	5.0	1.5	U
79-00-5	1,1,2-Trichloroethane	ND	15	5.0	U
127-18-4	Tetrachloroethene	2.2	5.0	1.8	J
108-90-7	Chlorobenzene	ND	25	7.0	U
75-69-4	Trichlorofluoromethane	ND	25	7.0	U
107-06-2	1,2-Dichloroethane	ND	5.0	1.3	U
71-55-6	1,1,1-Trichloroethane	390	25	7.0	
75-27-4	Bromodichloromethane	ND	5.0	1.9	U
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.4	U
75-25-2	Bromoform	ND	20	6.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.7	U
71-43-2	Benzene	ND	5.0	1.6	U
108-88-3	Toluene	ND	25	7.0	U
100-41-4	Ethylbenzene	ND	25	7.0	U
74-87-3	Chloromethane	ND	25	7.0	U
74-83-9	Bromomethane	ND	25	7.0	U
75-01-4	Vinyl chloride	350	10	0.71	
75-00-3	Chloroethane	22	25	7.0	J
75-35-4	1,1-Dichloroethene	7.1	5.0	1.7	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	Project Number	: 20-003
Lab ID	: L2512227-02D	Date Collected	: 03/05/25 11:30
Client ID	: BR-02 (030525)	Date Received	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	Date Analyzed	: 03/12/25 17:14
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250312A23	Instrument ID	: VOA101
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	25	7.0	U
79-01-6	Trichloroethene	6.8	5.0	1.8	
95-50-1	1,2-Dichlorobenzene	ND	25	7.0	U
541-73-1	1,3-Dichlorobenzene	ND	25	7.0	U
106-46-7	1,4-Dichlorobenzene	ND	25	7.0	U
1634-04-4	Methyl tert butyl ether	ND	25	1.7	U
179601-23-1	p/m-Xylene	ND	25	7.0	U
95-47-6	o-Xylene	ND	25	7.0	U
156-59-2	cis-1,2-Dichloroethene	740	25	7.0	
100-42-5	Styrene	ND	25	7.0	U
75-71-8	Dichlorodifluoromethane	ND	50	10.	U
67-64-1	Acetone	ND	50	15.	U
75-15-0	Carbon disulfide	ND	50	10.	U
78-93-3	2-Butanone	ND	50	19.	U
108-10-1	4-Methyl-2-pentanone	ND	50	10.	U
591-78-6	2-Hexanone	ND	50	10.	U
74-97-5	Bromochloromethane	ND	25	7.0	U
106-93-4	1,2-Dibromoethane	ND	20	6.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	7.0	U
98-82-8	Isopropylbenzene	ND	25	7.0	U
87-61-6	1,2,3-Trichlorobenzene	ND	25	7.0	U
120-82-1	1,2,4-Trichlorobenzene	ND	25	7.0	U
79-20-9	Methyl Acetate	ND	20	2.3	U
110-82-7	Cyclohexane	ND	100	2.7	U
123-91-1	1,4-Dioxane	ND	2500	610	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	**Lab Number**	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	**Project Number**	: 20-003
Lab ID	: L2512227-02D	**Date Collected**	: 03/05/25 11:30
Client ID	: BR-02 (030525)	**Date Received**	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	**Date Analyzed**	: 03/12/25 17:14
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250312A23	**Instrument ID**	: VOA101
Sample Amount	: 1 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	56	25	7.0	
108-87-2	Methyl cyclohexane	ND	100	4.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	Project Number	: 20-003
Lab ID	: L2512227-03D	Date Collected	: 03/05/25 11:30
Client ID	: BR-02 (030525) DUPLICATE	Date Received	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	Date Analyzed	: 03/12/25 17:40
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250312A24	Instrument ID	: VOA101
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	25	7.0	U
75-34-3	1,1-Dichloroethane	220	25	7.0	
67-66-3	Chloroform	ND	25	7.0	U
56-23-5	Carbon tetrachloride	ND	5.0	1.3	U
78-87-5	1,2-Dichloropropane	ND	10	1.4	U
124-48-1	Dibromochloromethane	ND	5.0	1.5	U
79-00-5	1,1,2-Trichloroethane	ND	15	5.0	U
127-18-4	Tetrachloroethene	2.9	5.0	1.8	J
108-90-7	Chlorobenzene	ND	25	7.0	U
75-69-4	Trichlorofluoromethane	ND	25	7.0	U
107-06-2	1,2-Dichloroethane	ND	5.0	1.3	U
71-55-6	1,1,1-Trichloroethane	440	25	7.0	
75-27-4	Bromodichloromethane	ND	5.0	1.9	U
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.4	U
75-25-2	Bromoform	ND	20	6.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.7	U
71-43-2	Benzene	ND	5.0	1.6	U
108-88-3	Toluene	ND	25	7.0	U
100-41-4	Ethylbenzene	ND	25	7.0	U
74-87-3	Chloromethane	ND	25	7.0	U
74-83-9	Bromomethane	ND	25	7.0	U
75-01-4	Vinyl chloride	410	10	0.71	
75-00-3	Chloroethane	25	25	7.0	
75-35-4	1,1-Dichloroethene	7.7	5.0	1.7	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	Project Number	: 20-003
Lab ID	: L2512227-03D	Date Collected	: 03/05/25 11:30
Client ID	: BR-02 (030525) DUPLICATE	Date Received	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	Date Analyzed	: 03/12/25 17:40
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250312A24	Instrument ID	: VOA101
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	25	7.0	U
79-01-6	Trichloroethene	7.0	5.0	1.8	
95-50-1	1,2-Dichlorobenzene	ND	25	7.0	U
541-73-1	1,3-Dichlorobenzene	ND	25	7.0	U
106-46-7	1,4-Dichlorobenzene	ND	25	7.0	U
1634-04-4	Methyl tert butyl ether	ND	25	1.7	U
179601-23-1	p/m-Xylene	ND	25	7.0	U
95-47-6	o-Xylene	ND	25	7.0	U
156-59-2	cis-1,2-Dichloroethene	810	25	7.0	
100-42-5	Styrene	ND	25	7.0	U
75-71-8	Dichlorodifluoromethane	ND	50	10.	U
67-64-1	Acetone	ND	50	15.	U
75-15-0	Carbon disulfide	ND	50	10.	U
78-93-3	2-Butanone	ND	50	19.	U
108-10-1	4-Methyl-2-pentanone	ND	50	10.	U
591-78-6	2-Hexanone	ND	50	10.	U
74-97-5	Bromochloromethane	ND	25	7.0	U
106-93-4	1,2-Dibromoethane	ND	20	6.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	7.0	U
98-82-8	Isopropylbenzene	ND	25	7.0	U
87-61-6	1,2,3-Trichlorobenzene	ND	25	7.0	U
120-82-1	1,2,4-Trichlorobenzene	ND	25	7.0	U
79-20-9	Methyl Acetate	ND	20	2.3	U
110-82-7	Cyclohexane	ND	100	2.7	U
123-91-1	1,4-Dioxane	ND	2500	610	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	**Lab Number**	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	**Project Number**	: 20-003
Lab ID	: L2512227-03D	**Date Collected**	: 03/05/25 11:30
Client ID	: BR-02 (030525) DUPLICATE	**Date Received**	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	**Date Analyzed**	: 03/12/25 17:40
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250312A24	**Instrument ID**	: VOA101
Sample Amount	: 1 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	62	25	7.0	
108-87-2	Methyl cyclohexane	ND	100	4.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	Project Number	: 20-003
Lab ID	: L2512227-04	Date Collected	: 03/05/25 12:17
Client ID	: BR-03 (030525)	Date Received	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	Date Analyzed	: 03/12/25 16:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250312A21	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	1.3	2.5	0.70	J
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	0.72	2.5	0.70	J
75-01-4	Vinyl chloride	0.29	1.0	0.07	J
75-00-3	Chloroethane	1.3	2.5	0.70	J
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	Project Number	: 20-003
Lab ID	: L2512227-04	Date Collected	: 03/05/25 12:17
Client ID	: BR-03 (030525)	Date Received	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	Date Analyzed	: 03/12/25 16:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250312A21	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	1.0	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	1.5	2.5	0.70	J
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	2.4	2.5	0.70	J
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.5	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	**Lab Number**	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	**Project Number**	: 20-003
Lab ID	: L2512227-04	**Date Collected**	: 03/05/25 12:17
Client ID	: BR-03 (030525)	**Date Received**	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	**Date Analyzed**	: 03/12/25 16:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250312A21	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	Project Number	: 20-003
Lab ID	: L2512227-05D	Date Collected	: 03/05/25 13:00
Client ID	: BR-13 (030525)	Date Received	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	Date Analyzed	: 03/12/25 18:07
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250312A25	Instrument ID	: VOA101
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	6.2	1.8	U
75-34-3	1,1-Dichloroethane	70	6.2	1.8	
67-66-3	Chloroform	ND	6.2	1.8	U
56-23-5	Carbon tetrachloride	ND	1.2	0.34	U
78-87-5	1,2-Dichloropropane	ND	2.5	0.34	U
124-48-1	Dibromochloromethane	ND	1.2	0.37	U
79-00-5	1,1,2-Trichloroethane	ND	3.8	1.2	U
127-18-4	Tetrachloroethene	0.66	1.2	0.45	J
108-90-7	Chlorobenzene	ND	6.2	1.8	U
75-69-4	Trichlorofluoromethane	ND	6.2	1.8	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.33	U
71-55-6	1,1,1-Trichloroethane	38	6.2	1.8	
75-27-4	Bromodichloromethane	ND	1.2	0.48	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.41	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.36	U
75-25-2	Bromoform	ND	5.0	1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.42	U
71-43-2	Benzene	ND	1.2	0.40	U
108-88-3	Toluene	ND	6.2	1.8	U
100-41-4	Ethylbenzene	ND	6.2	1.8	U
74-87-3	Chloromethane	ND	6.2	1.8	U
74-83-9	Bromomethane	ND	6.2	1.8	U
75-01-4	Vinyl chloride	4.2	2.5	0.18	
75-00-3	Chloroethane	12	6.2	1.8	
75-35-4	1,1-Dichloroethene	0.50	1.2	0.42	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	Project Number	: 20-003
Lab ID	: L2512227-05D	Date Collected	: 03/05/25 13:00
Client ID	: BR-13 (030525)	Date Received	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	Date Analyzed	: 03/12/25 18:07
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250312A25	Instrument ID	: VOA101
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	6.2	1.8	U
79-01-6	Trichloroethene	0.50	1.2	0.44	J
95-50-1	1,2-Dichlorobenzene	ND	6.2	1.8	U
541-73-1	1,3-Dichlorobenzene	ND	6.2	1.8	U
106-46-7	1,4-Dichlorobenzene	ND	6.2	1.8	U
1634-04-4	Methyl tert butyl ether	0.73	6.2	0.42	J
179601-23-1	p/m-Xylene	ND	6.2	1.8	U
95-47-6	o-Xylene	ND	6.2	1.8	U
156-59-2	cis-1,2-Dichloroethene	240	6.2	1.8	
100-42-5	Styrene	ND	6.2	1.8	U
75-71-8	Dichlorodifluoromethane	ND	12	2.5	U
67-64-1	Acetone	ND	12	3.6	U
75-15-0	Carbon disulfide	ND	12	2.5	U
78-93-3	2-Butanone	ND	12	4.8	U
108-10-1	4-Methyl-2-pentanone	ND	12	2.5	U
591-78-6	2-Hexanone	ND	12	2.5	U
74-97-5	Bromochloromethane	ND	6.2	1.8	U
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	1.8	U
98-82-8	Isopropylbenzene	ND	6.2	1.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U
79-20-9	Methyl Acetate	ND	5.0	0.58	U
110-82-7	Cyclohexane	ND	25	0.68	U
123-91-1	1,4-Dioxane	ND	620	150	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	**Lab Number**	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	**Project Number**	: 20-003
Lab ID	: L2512227-05D	**Date Collected**	: 03/05/25 13:00
Client ID	: BR-13 (030525)	**Date Received**	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	**Date Analyzed**	: 03/12/25 18:07
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250312A25	**Instrument ID**	: VOA101
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	4.1	6.2	1.8	J
108-87-2	Methyl cyclohexane	ND	25	0.99	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	Project Number	: 20-003
Lab ID	: L2512227-06	Date Collected	: 03/05/25 13:40
Client ID	: BR-15 (030525)	Date Received	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	Date Analyzed	: 03/12/25 15:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250312A20	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	93	2.5	0.70	
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	1.1	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	68	2.5	0.70	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	1.7	2.5	0.70	J
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	0.74	2.5	0.70	J
75-01-4	Vinyl chloride	58	1.0	0.07	
75-00-3	Chloroethane	59	2.5	0.70	
75-35-4	1,1-Dichloroethene	0.38	0.50	0.17	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	Project Number	: 20-003
Lab ID	: L2512227-06	Date Collected	: 03/05/25 13:40
Client ID	: BR-15 (030525)	Date Received	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	Date Analyzed	: 03/12/25 15:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250312A20	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	1.3	2.5	0.70	J
79-01-6	Trichloroethene	0.46	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	34	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	0.42	10	0.27	J
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	**Lab Number**	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	**Project Number**	: 20-003
Lab ID	: L2512227-06	**Date Collected**	: 03/05/25 13:40
Client ID	: BR-15 (030525)	**Date Received**	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	**Date Analyzed**	: 03/12/25 15:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250312A20	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	38	2.5	0.70	
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	Project Number	: 20-003
Lab ID	: L2512227-07	Date Collected	: 03/05/25 00:00
Client ID	: TRIP BLANK (030525)	Date Received	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	Date Analyzed	: 03/12/25 15:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250312A19	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	0.86	2.5	0.70	J
74-83-9	Bromomethane	0.87	2.5	0.70	J
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	Project Number	: 20-003
Lab ID	: L2512227-07	Date Collected	: 03/05/25 00:00
Client ID	: TRIP BLANK (030525)	Date Received	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	Date Analyzed	: 03/12/25 15:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250312A19	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	2.2	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	**Lab Number**	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	**Project Number**	: 20-003
Lab ID	: L2512227-07	**Date Collected**	: 03/05/25 00:00
Client ID	: TRIP BLANK (030525)	**Date Received**	: 03/05/25
Sample Location	: 766 NEW BABCOCK ST, BUFFALO, NY	**Date Analyzed**	: 03/12/25 15:27
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250312A19	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	Project Number	: 20-003
Lab ID	: WG2039675-5	Date Collected	: NA
Client ID	: WG2039675-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/12/25 09:15
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01250312A05	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	Project Number	: 20-003
Lab ID	: WG2039675-5	Date Collected	: NA
Client ID	: WG2039675-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/12/25 09:15
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01250312A05	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	Project Number	: 20-003
Lab ID	: WG2039675-5	Date Collected	: NA
Client ID	: WG2039675-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/12/25 09:15
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01250312A05	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Initial Calibration Summary
Form 6
Volatiles

Client	: Matrix Environmental Technologies	**Lab Number**	: L2512227
Project Name	: NML NEW BABCOCK Q1 2025 GW	**Project Number**	: 20-003
Instrument ID	: VOA101	**Ical Ref**	: ICAL21969
Calibration dates	: 02/08/25 01:30 02/08/25 05:51		

Calibration Files

L11 =V01250208A03.D L1 =V01250208A05.D L2 =V01250208A07.D L3 =V01250208A09.D L4 =V01250208A10.D

L6 =V01250208A11.D L8 =V01250208A12.D L10 =V01250208A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr		0.225	0.304	0.335	0.362	0.347	0.348	0.343	0.323	14.49
41) TP	Benzene	0.878	0.836	0.935	0.968	1.016	0.989	0.982	0.966	0.946	6.41
42) TP	Tertiary-Amyl Methyl Ether		0.447	0.444	0.486	0.549	0.543	0.547	0.544	0.509	9.46
43) S	1,2-Dichloroethane-d4	0.291	0.296	0.296	0.288	0.297	0.289	0.289	0.287	0.292	1.39
44) TP	1,2-Dichloroethane	0.307	0.324	0.311	0.317	0.327	0.311	0.304	0.295	0.312	3.39
47) TP	Methyl cyclohe		0.281	0.375	0.439	0.483	0.465	0.469	0.462	0.425	17.07
48) TP	Trichloroethene	0.270	0.231	0.262	0.260	0.277	0.266	0.265	0.260	0.261	5.14
50) TP	Dibromomethane		0.113	0.118	0.121	0.128	0.123	0.121	0.119	0.120	3.66
51) TP	1,2-Dichloropr		0.267	0.283	0.284	0.302	0.298	0.295	0.291	0.289	4.10
54) TP	Bromodichlorom		0.291	0.305	0.318	0.339	0.333	0.331	0.328	0.321	5.39
57) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	15.03
58) TP	cis-1,3-Dichloropropene	0.206	0.247	0.275	0.316	0.364	0.367	0.371	0.369	*Q	0.9995
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.318	1.313	1.338	1.335	1.332	1.318	1.335	1.339	1.329	0.79
61) TP	Toluene		0.714	0.778	0.800	0.832	0.822	0.825	0.822	0.799	5.23
62) TP	4-Methyl-2-pen			0.057	0.069	0.084	0.084	0.086	0.084	0.077	15.03
63) TP	Tetrachloroethene	0.276	0.261	0.323	0.331	0.349	0.340	0.343	0.339	0.320	10.36
65) TP	trans-1,3-Dichloropropene	0.232	0.248	0.293	0.348	0.395	0.397	0.406		*Q	0.9994
67) TP	Ethyl methacry			0.178	0.240	0.298	0.301	0.306	0.299	0.270	18.93
68) TP	1,1,2-Trichlor		0.184	0.200	0.202	0.210	0.203	0.202	0.198	0.200	3.97
69) TP	Chlorodibromom		0.233	0.244	0.272	0.296	0.295	0.298	0.296	0.276	9.94
70) TP	1,3-Dichloropr		0.358	0.381	0.415	0.443	0.426	0.425	0.420	0.410	7.23
71) TP	1,2-Dibromoethane		0.179	0.196	0.219	0.236	0.230	0.231	0.228	0.217	9.80
72) TP	2-Hexanone			0.095	0.117	0.145	0.149	0.154	0.149	0.135	17.48
73) TP	Chlorobenzene		0.790	0.870	0.892	0.927	0.911	0.913	0.904	0.887	5.22
74) TP	Ethylbenzene		1.252	1.441	1.589	1.649	1.622	1.630	1.615	1.543	9.45
75) TP	1,1,1,2-Tetrac		0.281	0.290	0.313	0.325	0.322	0.322	0.321	0.311	5.69
76) TP	p/m Xylene		0.439	0.563	0.613	0.640	0.628	0.628	0.611	0.589	11.99
77) TP	o Xylene		0.450	0.540	0.593	0.614	0.601	0.599	0.582	0.568	10.08
78) TP	Styrene		0.609	0.782	0.915	0.962	0.958	0.956	0.918	0.871	15.07
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.240	0.247	0.268	0.296	0.296	0.298	0.304	0.278	9.53
82) TP	Isopropylbenzene		2.038	2.579	2.786	2.940	2.943	2.974	3.034	2.756	12.76
83) S	4-Bromofluorobenzene	0.973	0.988	0.981	0.968	0.971	0.971	0.973	1.008	0.979	1.36
84) TP	Bromobenzene		0.546	0.600	0.626	0.642	0.644	0.641	0.653	0.622	6.02
85) TP	n-Propylbenzene		2.494	3.111	3.310	3.461	3.490	3.505		3.228	12.07

Initial Calibration Summary
Form 6
Volatiles

Client	: **Matrix Environmental Technologies**	**Lab Number**	: **L2512227**
Project Name	: **NML NEW BABCOCK Q1 2025 GW**	**Project Number**	: **20-003**
Instrument ID	: **VOA101**	**Ical Ref**	: **ICAL21969**
Calibration dates	: **02/08/25 01:30 02/08/25 05:51**		

Calibration Files
L11 =V01250208A03.D L1 =V01250208A05.D L2 =V01250208A07.D L3 =V01250208A09.D L4 =V01250208A10.D
L6 =V01250208A11.D L8 =V01250208A12.D L10 =V01250208A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
86) TP	1,4-Dichlorobu		0.801	0.810	0.845	0.881	0.862	0.856	0.859	0.845	3.43
87) TP	1,1,2,2-Tetrachloroethane	0.419	0.499	0.484	0.489	0.518	0.498	0.500	0.499	0.488	6.06
88) TP	4-Ethyltoluene		2.003	2.498	2.689	2.839	2.871	2.888	2.923	2.673	12.37
89) TP	2-Chlorotoluene		1.666	1.962	1.963	2.027	2.036	2.020	2.094	1.967	7.14
90) TP	1,3,5-Trimethy		1.724	2.128	2.204	2.321	2.351	2.354	2.403	2.212	10.65
91) TP	1,2,3-Trichlor		0.377	0.385	0.380	0.402	0.389	0.386	0.384	0.386	2.13
92) TP	trans-1,4-Dich			0.082	0.097	0.108	0.116	0.120	0.125	0.108	14.97
93) TP	4-Chlorotoluene		1.598	1.834	1.943	2.049	2.072	2.081	2.107	1.955	9.43
94) TP	tert-Butylbenzene		1.410	1.757	1.924	2.035	2.059	2.061	2.100	1.907	13.03
97) TP	1,2,4-Trimethy		1.524	1.930	2.131	2.231	2.272	2.276	2.314	2.097	13.56
98) TP	sec-Butylbenzene		1.834	2.475	2.694	2.861	2.914	2.931	2.946	2.665	15.15
99) TP	p-Isopropyltol		1.545	2.035	2.284	2.447	2.510	2.515	2.538	2.268	16.12
100) TP	1,3-Dichlorobe		0.963	1.084	1.124	1.174	1.187	1.183	1.203	1.131	7.52
101) TP	1,4-Dichlorobe		1.123	1.118	1.123	1.175	1.192	1.185	1.200	1.159	3.13
102) TP	p-Diethylbenzene		0.924	1.106	1.271	1.385	1.424	1.432	1.449	1.284	15.59
103) TP	n-Butylbenzene		1.289	1.611	1.819	1.972	2.016	2.023	2.050	1.826	15.51
104) TP	1,2-Dichlorobe		0.906	0.956	0.990	1.042	1.040	1.035	1.046	1.002	5.40
105) TP	1,2,4,5-Tetram		1.206	1.368	1.683	1.873	1.926	1.935	1.982	1.710	18.01
106) TP	1,2-Dibromo-3-		0.032	0.041	0.052	0.060	0.058	0.060	0.061	*L	0.9993
107) TP	1,3,5-Trichlor		0.524	0.549	0.594	0.647	0.659	0.655	0.672	0.614	9.58
108) TP	Hexachlorobuta		0.187	0.203	0.218	0.236	0.239	0.239	0.249	0.224	10.05
109) TP	1,2,4-Trichlor		0.364	0.404	0.450	0.513	0.524	0.523	0.542	0.474	14.60
110) TP	Naphthalene		0.633	0.664	0.797	0.980	0.974	1.001	1.018	0.867	19.18
111) TP	1,2,3-Trichlor		0.336	0.302	0.344	0.386	0.385	0.388	0.397	0.362#	9.82

Evaluate Continuing Calibration Report

Data Path : K:\VOA101\2025\250208AICAL\
Data File : V01250208A18.D
Acq On : 8 Feb 2025 8:02 am
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG2028963,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 12 10:30:52 2025
Quant Method : K:\VOA101\2025\250208AICAL\V101_250208A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 12 10:30:07 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.292	0.278	4.8	111	0.00
44	TP	1,2-Dichloroethane	0.312	0.303	2.9	111	0.00
47	TP	Methyl cyclohexane	0.425	0.437	-2.8	115	0.00
48	TP	Trichloroethene	0.261	0.269	-3.1	120	0.00
50	TP	Dibromomethane	0.120	0.117	2.5	112	0.00
51	TP	1,2-Dichloropropane	0.289	0.286	1.0	116	0.00
54	TP	Bromodichloromethane	0.321	0.302	5.9	110	0.00
57	TP	1,4-Dioxane	0.00128	0.00135#	-5.5	115	0.00
58	TP	cis-1,3-Dichloropropene	* 10.000	9.332	6.7	121	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	113	0.00
60	S	Toluene-d8	1.329	1.353	-1.8	115	0.00
61	TP	Toluene	0.799	0.885	-10.8	126	0.00
62	TP	4-Methyl-2-pentanone	0.077	0.068	11.7	112	0.00
63	TP	Tetrachloroethene	0.320	0.355	-10.9	122	0.00
65	TP	trans-1,3-Dichloropropene	* 10.000	9.952	0.5	121	0.00
67	TP	Ethyl methacrylate	0.270	0.276	-2.2	130	0.00
68	TP	1,1,2-Trichloroethane	0.200	0.209	-4.5	117	0.00
69	TP	Chlorodibromomethane	0.276	0.279	-1.1	116	0.00
70	TP	1,3-Dichloropropane	0.410	0.426	-3.9	116	0.00
71	TP	1,2-Dibromoethane	0.217	0.217	0.0	112	0.00
72	TP	2-Hexanone	0.135	0.118	12.6	114	0.00
73	TP	Chlorobenzene	0.887	0.941	-6.1	120	0.00
74	TP	Ethylbenzene	1.543	1.622	-5.1	116	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.311	0.308	1.0	111	0.00
76	TP	p/m Xylene	0.589	0.636	-8.0	118	0.00
77	TP	o Xylene	0.568	0.597	-5.1	114	0.00
78	TP	Styrene	0.871	0.933	-7.1	116	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
80	TP	Bromoform	0.278	0.284	-2.2	115	0.00
82	TP	Isopropylbenzene	2.756	2.667	3.2	104	0.00
83	S	4-Bromofluorobenzene	0.979	0.984	-0.5	110	0.00
84	TP	Bromobenzene	0.622	0.644	-3.5	112	0.00
85	TP	n-Propylbenzene	3.228	3.535	-9.5	116	0.00
86	TP	1,4-Dichlorobutane	0.845	0.935	-10.7	120	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.488	0.500	-2.5	111	0.00
88	TP	4-Ethyltoluene	2.673	2.896	-8.3	117	0.00
89	TP	2-Chlorotoluene	1.967	2.017	-2.5	111	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA101\2025\250208AICAL\
Data File : V01250208A18.D
Acq On : 8 Feb 2025 8:02 am
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG2028963,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 12 10:30:52 2025
Quant Method : K:\VOA101\2025\250208AICAL\V101_250208A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 12 10:30:07 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
90 TP	1,3,5-Trimethylbenzene		2.212	2.316	-4.7	114	0.00
91 TP	1,2,3-Trichloropropane		0.386	0.385	0.3	110	0.00
92 TP	trans-1,4-Dichloro-2-butene		0.108	0.101	6.5	113	0.00
93 TP	4-Chlorotoluene		1.955	2.075	-6.1	116	0.00
94 TP	tert-Butylbenzene		1.907	2.020	-5.9	114	0.00
97 TP	1,2,4-Trimethylbenzene		2.097	2.264	-8.0	115	0.00
98 TP	sec-Butylbenzene		2.665	2.832	-6.3	114	0.00
99 TP	p-Isopropyltoluene		2.268	2.406	-6.1	114	0.00
100 TP	1,3-Dichlorobenzene		1.131	1.220	-7.9	118	0.00
101 TP	1,4-Dichlorobenzene		1.159	1.209	-4.3	117	0.00
102 TP	p-Diethylbenzene		1.284	1.288	-0.3	110	0.00
103 TP	n-Butylbenzene		1.826	1.990	-9.0	119	0.00
104 TP	1,2-Dichlorobenzene		1.002	1.062	-6.0	116	0.00
105 TP	1,2,4,5-Tetramethylbenzene		1.710	1.731	-1.2	112	0.00
106 TP	1,2-Dibromo-3-chloropropane	*	10.000	9.333	6.7	113	0.00
107 TP	1,3,5-Trichlorobenzene		0.614	0.629	-2.4	115	0.00
108 TP	Hexachlorobutadiene		0.224	0.246	-9.8	122	0.00
109 TP	1,2,4-Trichlorobenzene		0.474	0.489	-3.2	118	0.00
110 TP	Naphthalene		0.867	0.878	-1.3	119	0.00
111 TP	1,2,3-Trichlorobenzene		0.362	0.371#	-2.5	117	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Calibration Verification Summary
Form 7
Volatiles

Client	: Matrix Environmental Technologies		Lab Number	: L2512227	
Project Name	: NML NEW BABCOCK Q1 2025 GW		Project Number	: 20-003	
Instrument ID	: VOA101		Calibration Date	: 03/12/25 07:29	
Lab File ID	: V01250312A01		Init. Calib. Date(s)	: 02/08/25	02/08/25
Sample No	: WG2039675-2		Init. Calib. Times	: 01:30	05:51
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.289	0.288	-	0.3	20	100	0
Bromodichloromethane	0.321	0.321	-	0	20	100	0
1,4-Dioxane	0.00128	0.00125*	-	2.3	20	91	0
cis-1,3-Dichloropropene	10	8.99	-	10.1	20	99	0
Chlorobenzene-d5	1	1	-	0	20	97	0
Toluene-d8	1.329	1.356	-	-2	20	99	0
Toluene	0.799	0.829	-	-3.8	20	101	0
4-Methyl-2-pentanone	0.077	0.066	-	14.3	20	93	0
Tetrachloroethene	0.32	0.348	-	-8.7	20	102	0
trans-1,3-Dichloropropene	10	9.174	-	8.3	20	95	0
Ethyl methacrylate	0.27	0.23	-	14.8	20	93	0
1,1,2-Trichloroethane	0.2	0.207	-	-3.5	20	99	0
Chlorodibromomethane	0.276	0.266	-	3.6	20	95	0
1,3-Dichloropropane	0.41	0.415	-	-1.2	20	97	0
1,2-Dibromoethane	0.217	0.214	-	1.4	20	95	0
2-Hexanone	0.135	0.116	-	14.1	20	96	0
Chlorobenzene	0.887	0.922	-	-3.9	20	100	0
Ethylbenzene	1.543	1.609	-	-4.3	20	98	0
1,1,1,2-Tetrachloroethane	0.311	0.313	-	-0.6	20	97	0
p/m Xylene	0.589	0.634	-	-7.6	20	101	0
o Xylene	0.568	0.603	-	-6.2	20	99	0
Styrene	0.871	0.943	-	-8.3	20	100	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	96	0
Bromoform	0.278	0.257	-	7.6	20	92	0
Isopropylbenzene	2.756	2.886	-	-4.7	20	99	0
4-Bromofluorobenzene	0.979	0.956	-	2.3	20	94	0
Bromobenzene	0.622	0.658	-	-5.8	20	100	0
n-Propylbenzene	3.228	3.553	-	-10.1	20	103	0
1,4-Dichlorobutane	0.845	0.882	-	-4.4	20	100	0
1,1,2,2-Tetrachloroethane	0.488	0.508	-	-4.1	20	99	0
4-Ethyltoluene	2.673	2.84	-	-6.2	20	101	0
2-Chlorotoluene	1.967	2.102	-	-6.9	20	102	0
1,3,5-Trimethylbenzene	2.212	2.34	-	-5.8	20	101	0
1,2,3-Trichloropropane	0.386	0.39	-	-1	20	98	0
trans-1,4-Dichloro-2-buten	0.108	0.098	-	9.3	20	96	0
4-Chlorotoluene	1.955	2.085	-	-6.6	20	102	0
tert-Butylbenzene	1.907	1.998	-	-4.8	20	99	0
1,2,4-Trimethylbenzene	2.097	2.26	-	-7.8	20	101	0
sec-Butylbenzene	2.665	2.902	-	-8.9	20	103	0
p-Isopropyltoluene	2.268	2.416	-	-6.5	20	101	0
1,3-Dichlorobenzene	1.131	1.221	-	-8	20	104	0
1,4-Dichlorobenzene	1.159	1.211	-	-4.5	20	103	0
p-Diethylbenzene	1.284	1.347	-	-4.9	20	101	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Matrix Environmental Technologies		Lab Number	: L2512227	
Project Name	: NML NEW BABCOCK Q1 2025 GW		Project Number	: 20-003	
Instrument ID	: VOA101		Calibration Date	: 03/12/25 07:29	
Lab File ID	: V01250312A01		Init. Calib. Date(s)	: 02/08/25	02/08/25
Sample No	: WG2039675-2		Init. Calib. Times	: 01:30	05:51
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.826	2.038	-	-11.6	20	107	0
1,2-Dichlorobenzene	1.002	1.053	-	-5.1	20	102	0
1,2,4,5-Tetramethylbenzene	1.71	1.673	-	2.2	20	95	0
1,2-Dibromo-3-chloropropan	10	8.237	-	17.6	20	88	0
1,3,5-Trichlorobenzene	0.614	0.653	-	-6.4	20	105	0
Hexachlorobutadiene	0.224	0.238	-	-6.2	20	104	0
1,2,4-Trichlorobenzene	0.474	0.443	-	6.5	20	94	0
Naphthalene	0.867	0.665	-	23.3*	20	80	0
1,2,3-Trichlorobenzene	0.362	0.314*	-	13.3	20	87	0

* Value outside of QC limits.

Data Usability Summary Report

Vali-Data of WNY, LLC
89 Morningside Dr.
Grand Island, NY 14072

766 New Babcock St., Buffalo, NY
Pace Analytical Services SDG#L2537939
September 16, 2025
Sampling date: 6/16/2025

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
89 Morningside Dr.
Grand Island, NY 14072

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Matrix Environmental Technologies, Inc., project located at 766 New Babcock St., Buffalo, NY, Pace Analytical Services SDG #L2537939 submitted to Vali-Data of WNY, LLC on July 9, 2025. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analysis using the USEPA method Volatile Organics (8260D).

ID	Sample ID	Laboratory ID
1	BR-01 (061625)	L2537939-01
2	BR-02 (061625)	L2537939-02
3	BR-02 (061625) DUPLICATE	L2537939-03
4	BR-03 (061625)	L2537939-04
5	BR-13 (061625)	L2537939-05
6	BR-15 (061625)	L2537939-06
7	TRIP BLANK (061625)	L2537939-07

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples,

MS/MSD, Compound Quantitation, Initial Calibration and Continuing Calibration.

Samples: DUSR ID#1-#3 and #1MS/MSD were diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except a target analyte was outside QC limits in the laboratory control samples and should be qualified as estimated.

LCS/LCSD ID	Target Analyte	RPD	Qualifier	Associated Sample
WG2085068	4-Methyl-2-pentanone	23	UJ	2-4

Some target analytes were outside QC limits in the laboratory control sample of the laboratory control sample duplicate but not both, so no further action is required.

MS/MSD
All criteria were met except a target analyte was outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	%Rec #1MS	%Rec #1MSD	Qualifier	Associated Sample
Chloroethane	160	150	JH	1

COMPOUND QUANTITATION

All criteria were met except a target analyte was detected in the sample blank and should be qualified in the associated samples in which it was detected.

Blank ID	Target Analyte	Concentration(ug/L)	Qualifier	Associated Sample
7	Acetone	6.5	U at RL	1
7	Acetone	6.5	JH	4-6

INITIAL CALIBRATION

All criteria were met except several target analytes were outside QC limits in the initial calibration (ICal) and/or the initial calibration verification (ICV) and should be qualified as estimated in the associated samples blanks and spikes.

ICal/ICV instrument	Target Analyte	RRF/%D	Qualifier	Associated Sample
ICal/ICV VOA101	1,4-Dioxane	RRF/27.5	UJ/J	WG2085076, 6, 7
ICV VOA101	1,1,2-Trichloroethane	RRF	UJ/J	WG2085076, 6, 7
ICal/ICV VOA108	1,4-Dioxane	RRF	UJ/J	WG2085068, 2-4
ICV VOA108	Freon 113	-26.0	UJ/J	WG2085068, 2-4
ICal/ICV GONZO	1,4-Dioxane	RRF	UJ/J	WG2085378, 1, 5, 1MS/MSD
ICal/ICV GONZO	Bromodichloromethane	RRF	UJ/J	WG2085378, 1, 5, 1MS/MSD
ICal/ICV GONZO	1,1,2-Trichloroethane	RRF	UJ/J	WG2085378, 1, 5, 1MS/MSD
ICV GONZO	1,2-Dichloropropane	RRF	UJ/J	WG2085378, 1, 5, 1MS/MSD

CONTINUING CALIBRATION

All criteria were met except several target analytes were outside QC limits in the continuing calibration and should be qualified as estimated in the associated samples blanks and spikes.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
WG2085068-2	1,4-Dioxane	RRF	UJ/J	WG2085068, 2-4
WG2085068-2	Bromomethane	33.5	UJ/J	WG2085068, 2-4
WG2085076-2	1,4-Dioxane	RRF	UJ/J	WG2085076, 6, 7
WG2085076-2	1,1,2-Trichloroethane	RRF	UJ/J	WG2085076, 6, 7
WG2085076-2	1,2,3-Trichlorobenzene	RRF	UJ/J	WG2085076, 6, 7

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
WG2085076-2	Bromomethane	31.9	UJ/J	WG2085076, 6, 7
WG2085076-2	Chlorodibromomethane	20.4	UJ/J	WG2085076, 6, 7
WG2085076-2	Bromoform	32.2	UJ/J	WG2085076, 6, 7
WG2085076-2	1,2-Dibromo-3-chloropropane	38.6	UJ/J	WG2085076, 6, 7
WG2085378-2	1,4-Dioxane	RRF	UJ/J	WG2085378, 1, 5, 1MS/MSD
WG2085378-2	Bromodichloromethane	RRF	UJ/J	WG2085378, 1, 5, 1MS/MSD
WG2085378-2	1,1,2-Trichloroethane	RRF	UJ/J	WG2085378, 1, 5, 1MS/MSD
WG2085378-2	1,2-Dichloropropane	RRF	UJ/J	WG2085378, 1, 5, 1MS/MSD
WG2085378-2	cis-1,3-Dichloropropene	RRF	UJ/J	WG2085378, 1, 5, 1MS/MSD
WG2085378-2	Chloroethane	-37.3	UJ/J	WG2085378, 1, 5, 1MS/MSD

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK

All criteria were met.

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2537939-07: The Trip Blank has a concentration above the reporting limit for acetone. The sample was re-analyzed and confirmed the original results. The results of the original analysis are reported.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2537939-07: The Trip Blank has a concentration above the reporting limit for acetone. The sample was re-analyzed and confirmed the original results. The results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Wallukeit Report Date: 07/02/25

Title: Technical Director/Representative

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Matrix Environmental Technologies	**Lab Number**	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	**Project Number**	: 20-003
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2085068-3 **Analysis Date** : 06/28/25 08:48	**File ID**	: V08250628A01
LCSD Sample ID	: WG2085068-4 **Analysis Date** : 06/28/25 09:32	**File ID**	: V08250628A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	11	110	10	9.6	96	14	70-130	20
1,2-Dichlorobenzene	10	11	110	10	9.4	94	16	70-130	20
1,3-Dichlorobenzene	10	11	110	10	9.4	94	16	70-130	20
1,4-Dichlorobenzene	10	11	110	10	9.2	92	18	70-130	20
Methyl tert butyl ether	10	9.1	91	10	8.4	84	8	63-130	20
p/m-Xylene	20	20	100	20	18	90	11	70-130	20
o-Xylene	20	20	100	20	17	85	16	70-130	20
cis-1,2-Dichloroethene	10	11	110	10	9.4	94	16	70-130	20
Styrene	20	18	90	20	15	75	18	70-130	20
Dichlorodifluoromethane	10	12	120	10	11	110	9	36-147	20
Acetone	10	8.8	88	10	8.0	80	10	58-148	20
Carbon disulfide	10	9.6	96	10	8.6	86	11	51-130	20
2-Butanone	10	7.7	77	10	6.3	63	20	63-138	20
4-Methyl-2-pentanone	10	8.4	84	10	6.7	67	23 Q	59-130	20
2-Hexanone	10	6.8	68	10	6.1	61	11	57-130	20
Bromochloromethane	10	9.9	99	10	9.0	90	10	70-130	20
1,2-Dibromoethane	10	11	110	10	10	100	10	70-130	20
1,2-Dibromo-3-chloropropane	10	11	110	10	9.8	98	12	41-144	20
Isopropylbenzene	10	11	110	10	9.2	92	18	70-130	20
1,2,3-Trichlorobenzene	10	11	110	10	9.5	95	15	70-130	20
1,2,4-Trichlorobenzene	10	11	110	10	9.2	92	18	70-130	20
Methyl Acetate	10	8.2	82	10	8.0	80	2	70-130	20
Cyclohexane	10	8.6	86	10	8.3	83	4	70-130	20
1,4-Dioxane	500	450	90	500	390	78	14	56-162	20
Freon-113	10	9.0	90	10	8.4	84	7	70-130	20
Methyl cyclohexane	10	8.8	88	10	8.7	87	1	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Client Sample ID	: BR-01 (061625)	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2537939-01	Analysis Date	: 06/28/25 13:12
Matrix Spike	: WG2085378-6	MS Analysis Date	: 06/28/25 19:50
Matrix Spike Dup	: WG2085378-7	MSD Analysis Date	: 06/28/25 20:16

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Vinyl chloride	150	50	210	120	50	200	100	5	55-140	20
Chloroethane	6.0J	50	80	160 Q	50	75	150 Q	6	55-138	20
1,1-Dichloroethene	5.8	50	58	104	50	54	96	7	61-145	20
trans-1,2-Dichloroethene	ND	50	54	108	50	52	104	4	70-130	20
Trichloroethene	21	50	71	100	50	70	98	1	70-130	20
1,2-Dichlorobenzene	ND	50	48	96	50	45	90	6	70-130	20
1,3-Dichlorobenzene	ND	50	48	96	50	46	92	4	70-130	20
1,4-Dichlorobenzene	ND	50	48	96	50	46	92	4	70-130	20
Methyl tert butyl ether	ND	50	44	88	50	41	82	7	63-130	20
p/m-Xylene	ND	100	97	97	100	92	92	5	70-130	20
o-Xylene	ND	100	94	94	100	90	90	4	70-130	20
cis-1,2-Dichloroethene	590	50	650	120	50	640	100	2	70-130	20
Styrene	ND	100	91	91	100	88	88	3	70-130	20
Dichlorodifluoromethane	ND	50	50	100	50	46	92	8	36-147	20
Acetone	8.3J	50	45	90	50	47	94	4	58-148	20
Carbon disulfide	ND	50	50	100	50	48	96	4	51-130	20
2-Butanone	ND	50	42	84	50	43	86	2	63-138	20
4-Methyl-2-pentanone	ND	50	41	82	50	39	78	5	59-130	20
2-Hexanone	ND	50	38	76	50	38	76	0	57-130	20
Bromochloromethane	ND	50	50	100	50	47	94	6	70-130	20
1,2-Dibromoethane	ND	50	44	88	50	43	86	2	70-130	20
1,2-Dibromo-3-chloropropane	ND	50	35	70	50	34	68	3	41-144	20

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: L2537939-01D	Date Collected	: 06/16/25 11:50
Client ID	: BR-01 (061625)	Date Received	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	Date Analyzed	: 06/28/25 13:12
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: VG250628A11	Instrument ID	: GONZO
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	12	3.5	U
75-34-3	1,1-Dichloroethane	100	12	3.5	
67-66-3	Chloroform	ND	12	3.5	U
56-23-5	Carbon tetrachloride	ND	2.5	0.67	U
78-87-5	1,2-Dichloropropane	ND	5.0	0.68	U
124-48-1	Dibromochloromethane	ND	2.5	0.74	U
79-00-5	1,1,2-Trichloroethane	ND	7.5	2.5	U
127-18-4	Tetrachloroethene	1.5	2.5	0.90	J
108-90-7	Chlorobenzene	ND	12	3.5	U
75-69-4	Trichlorofluoromethane	ND	12	3.5	U
107-06-2	1,2-Dichloroethane	ND	2.5	0.66	U
71-55-6	1,1,1-Trichloroethane	380	12	3.5	
75-27-4	Bromodichloromethane	ND	2.5	0.96	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.82	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.72	U
75-25-2	Bromoform	ND	10	3.2	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.84	U
71-43-2	Benzene	ND	2.5	0.80	U
108-88-3	Toluene	ND	12	3.5	U
100-41-4	Ethylbenzene	ND	12	3.5	U
74-87-3	Chloromethane	ND	12	3.5	U
74-83-9	Bromomethane	ND	12	3.5	U
75-01-4	Vinyl chloride	150	5.0	0.36	
75-00-3	Chloroethane	6.0	12	3.5	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: L2537939-01D	Date Collected	: 06/16/25 11:50
Client ID	: BR-01 (061625)	Date Received	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	Date Analyzed	: 06/28/25 13:12
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: VG250628A11	Instrument ID	: GONZO
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-35-4	1,1-Dichloroethene	5.8	2.5	0.84	
156-60-5	trans-1,2-Dichloroethene	ND	12	3.5	U
79-01-6	Trichloroethene	21	2.5	0.88	
95-50-1	1,2-Dichlorobenzene	ND	12	3.5	U
541-73-1	1,3-Dichlorobenzene	ND	12	3.5	U
106-46-7	1,4-Dichlorobenzene	ND	12	3.5	U
1634-04-4	Methyl tert butyl ether	ND	12	0.83	U
179601-23-1	p/m-Xylene	ND	12	3.5	U
95-47-6	o-Xylene	ND	12	3.5	U
156-59-2	cis-1,2-Dichloroethene	590	12	3.5	
100-42-5	Styrene	ND	12	3.5	U
75-71-8	Dichlorodifluoromethane	ND	25	5.0	U
67-64-1	Acetone	8.3	25	7.3	J
75-15-0	Carbon disulfide	ND	25	5.0	U
78-93-3	2-Butanone	ND	25	9.7	U
108-10-1	4-Methyl-2-pentanone	ND	25	5.0	U
591-78-6	2-Hexanone	ND	25	5.0	U
74-97-5	Bromochloromethane	ND	12	3.5	U
106-93-4	1,2-Dibromoethane	ND	10	3.2	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	3.5	U
98-82-8	Isopropylbenzene	ND	12	3.5	U
87-61-6	1,2,3-Trichlorobenzene	ND	12	3.5	U
120-82-1	1,2,4-Trichlorobenzene	ND	12	3.5	U
79-20-9	Methyl Acetate	ND	10	1.2	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: L2537939-01D	Date Collected	: 06/16/25 11:50
Client ID	: BR-01 (061625)	Date Received	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	Date Analyzed	: 06/28/25 13:12
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: VG250628A11	Instrument ID	: GONZO
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	ND	50	1.4	U
123-91-1	1,4-Dioxane	ND	1200	300	U
76-13-1	Freon-113	22	12	3.5	
108-87-2	Methyl cyclohexane	ND	50	2.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: L2537939-02D	Date Collected	: 06/16/25 09:45
Client ID	: BR-02 (061625)	Date Received	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	Date Analyzed	: 06/28/25 13:56
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260D	Analyst	: KAB
Lab File ID	: V08250628A15	Instrument ID	: VOA108
Sample Amount	: 0.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	50	14.	U
75-34-3	1,1-Dichloroethane	240	50	14.	
67-66-3	Chloroform	ND	50	14.	U
56-23-5	Carbon tetrachloride	ND	10	2.7	U
78-87-5	1,2-Dichloropropane	ND	20	2.7	U
124-48-1	Dibromochloromethane	ND	10	3.0	U
79-00-5	1,1,2-Trichloroethane	ND	30	10.	U
127-18-4	Tetrachloroethene	ND	10	3.6	U
108-90-7	Chlorobenzene	ND	50	14.	U
75-69-4	Trichlorofluoromethane	ND	50	14.	U
107-06-2	1,2-Dichloroethane	ND	10	2.6	U
71-55-6	1,1,1-Trichloroethane	650	50	14.	
75-27-4	Bromodichloromethane	ND	10	3.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.3	U
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.9	U
75-25-2	Bromoform	ND	40	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.3	U
71-43-2	Benzene	ND	10	3.2	U
108-88-3	Toluene	ND	50	14.	U
100-41-4	Ethylbenzene	ND	50	14.	U
74-87-3	Chloromethane	ND	50	14.	U
74-83-9	Bromomethane	ND	50	14.	U
75-01-4	Vinyl chloride	410	20	1.4	
75-00-3	Chloroethane	27	50	14.	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: L2537939-02D	Date Collected	: 06/16/25 09:45
Client ID	: BR-02 (061625)	Date Received	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	Date Analyzed	: 06/28/25 13:56
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260D	Analyst	: KAB
Lab File ID	: V08250628A15	Instrument ID	: VOA108
Sample Amount	: 0.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-35-4	1,1-Dichloroethene	12	10	3.4	
156-60-5	trans-1,2-Dichloroethene	ND	50	14.	U
79-01-6	Trichloroethene	7.7	10	3.5	J
95-50-1	1,2-Dichlorobenzene	ND	50	14.	U
541-73-1	1,3-Dichlorobenzene	ND	50	14.	U
106-46-7	1,4-Dichlorobenzene	ND	50	14.	U
1634-04-4	Methyl tert butyl ether	ND	50	3.3	U
179601-23-1	p/m-Xylene	ND	50	14.	U
95-47-6	o-Xylene	ND	50	14.	U
156-59-2	cis-1,2-Dichloroethene	1600	50	14.	
100-42-5	Styrene	ND	50	14.	U
75-71-8	Dichlorodifluoromethane	ND	100	20.	U
67-64-1	Acetone	ND	100	29.	U
75-15-0	Carbon disulfide	ND	100	20.	U
78-93-3	2-Butanone	ND	100	39.	U
108-10-1	4-Methyl-2-pentanone	ND	100	20.	U
591-78-6	2-Hexanone	ND	100	20.	U
74-97-5	Bromochloromethane	ND	50	14.	U
106-93-4	1,2-Dibromoethane	ND	40	13.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	50	14.	U
98-82-8	Isopropylbenzene	ND	50	14.	U
87-61-6	1,2,3-Trichlorobenzene	ND	50	14.	U
120-82-1	1,2,4-Trichlorobenzene	ND	50	14.	U
79-20-9	Methyl Acetate	ND	40	4.7	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: L2537939-02D	Date Collected	: 06/16/25 09:45
Client ID	: BR-02 (061625)	Date Received	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	Date Analyzed	: 06/28/25 13:56
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260D	Analyst	: KAB
Lab File ID	: V08250628A15	Instrument ID	: VOA108
Sample Amount	: 0.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	ND	200	5.4	U
123-91-1	1,4-Dioxane	ND	5000	1200	U
76-13-1	Freon-113	57	50	14.	
108-87-2	Methyl cyclohexane	ND	200	7.9	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: L2537939-03D	Date Collected	: 06/16/25 09:45
Client ID	: BR-02 (061625) DUPLICATE	Date Received	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	Date Analyzed	: 06/28/25 14:18
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: KAB
Lab File ID	: V08250628A16	Instrument ID	: VOA108
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	25	7.0	U
75-34-3	1,1-Dichloroethane	250	25	7.0	
67-66-3	Chloroform	ND	25	7.0	U
56-23-5	Carbon tetrachloride	ND	5.0	1.3	U
78-87-5	1,2-Dichloropropane	ND	10	1.4	U
124-48-1	Dibromochloromethane	ND	5.0	1.5	U
79-00-5	1,1,2-Trichloroethane	ND	15	5.0	U
127-18-4	Tetrachloroethene	ND	5.0	1.8	U
108-90-7	Chlorobenzene	ND	25	7.0	U
75-69-4	Trichlorofluoromethane	ND	25	7.0	U
107-06-2	1,2-Dichloroethane	ND	5.0	1.3	U
71-55-6	1,1,1-Trichloroethane	630	25	7.0	
75-27-4	Bromodichloromethane	ND	5.0	1.9	U
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.4	U
75-25-2	Bromoform	ND	20	6.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.7	U
71-43-2	Benzene	ND	5.0	1.6	U
108-88-3	Toluene	ND	25	7.0	U
100-41-4	Ethylbenzene	ND	25	7.0	U
74-87-3	Chloromethane	ND	25	7.0	U
74-83-9	Bromomethane	ND	25	7.0	U
75-01-4	Vinyl chloride	420	10	0.71	
75-00-3	Chloroethane	30	25	7.0	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: L2537939-03D	Date Collected	: 06/16/25 09:45
Client ID	: BR-02 (061625) DUPLICATE	Date Received	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	Date Analyzed	: 06/28/25 14:18
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: KAB
Lab File ID	: V08250628A16	Instrument ID	: VOA108
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-35-4	1,1-Dichloroethene	10	5.0	1.7	
156-60-5	trans-1,2-Dichloroethene	ND	25	7.0	U
79-01-6	Trichloroethene	6.0	5.0	1.8	
95-50-1	1,2-Dichlorobenzene	ND	25	7.0	U
541-73-1	1,3-Dichlorobenzene	ND	25	7.0	U
106-46-7	1,4-Dichlorobenzene	ND	25	7.0	U
1634-04-4	Methyl tert butyl ether	ND	25	1.7	U
179601-23-1	p/m-Xylene	ND	25	7.0	U
95-47-6	o-Xylene	ND	25	7.0	U
156-59-2	cis-1,2-Dichloroethene	1700	25	7.0	
100-42-5	Styrene	ND	25	7.0	U
75-71-8	Dichlorodifluoromethane	ND	50	10.	U
67-64-1	Acetone	ND	50	15.	U
75-15-0	Carbon disulfide	ND	50	10.	U
78-93-3	2-Butanone	ND	50	19.	U
108-10-1	4-Methyl-2-pentanone	ND	50	10.	U
591-78-6	2-Hexanone	ND	50	10.	U
74-97-5	Bromochloromethane	ND	25	7.0	U
106-93-4	1,2-Dibromoethane	ND	20	6.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	7.0	U
98-82-8	Isopropylbenzene	ND	25	7.0	U
87-61-6	1,2,3-Trichlorobenzene	ND	25	7.0	U
120-82-1	1,2,4-Trichlorobenzene	ND	25	7.0	U
79-20-9	Methyl Acetate	ND	20	2.3	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: L2537939-03D	Date Collected	: 06/16/25 09:45
Client ID	: BR-02 (061625) DUPLICATE	Date Received	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	Date Analyzed	: 06/28/25 14:18
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: KAB
Lab File ID	: V08250628A16	Instrument ID	: VOA108
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	ND	100	2.7	U
123-91-1	1,4-Dioxane	ND	2500	610	U
76-13-1	Freon-113	54	25	7.0	
108-87-2	Methyl cyclohexane	ND	100	4.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: L2537939-04	Date Collected	: 06/16/25 12:30
Client ID	: BR-03 (061625)	Date Received	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	Date Analyzed	: 06/28/25 14:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: KAB
Lab File ID	: V08250628A17	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	1.2	2.5	0.70	J
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	0.99	1.0	0.07	J
75-00-3	Chloroethane	1.0	2.5	0.70	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: L2537939-04	Date Collected	: 06/16/25 12:30
Client ID	: BR-03 (061625)	Date Received	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	Date Analyzed	: 06/28/25 14:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: KAB
Lab File ID	: V08250628A17	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	1.9	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	0.77	2.5	0.70	J
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	4.2	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	14	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: L2537939-04	Date Collected	: 06/16/25 12:30
Client ID	: BR-03 (061625)	Date Received	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	Date Analyzed	: 06/28/25 14:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: KAB
Lab File ID	: V08250628A17	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: L2537939-05	Date Collected	: 06/16/25 10:35
Client ID	: BR-13 (061625)	Date Received	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	Date Analyzed	: 06/28/25 13:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: VG250628A12	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	8.8	2.5	0.70	
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	1.1	2.5	0.70	J
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	1.2	1.0	0.07	
75-00-3	Chloroethane	2.3	2.5	0.70	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: L2537939-05	Date Collected	: 06/16/25 10:35
Client ID	: BR-13 (061625)	Date Received	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	Date Analyzed	: 06/28/25 13:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: VG250628A12	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	0.40	2.5	0.17	J
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	1.2	2.5	0.70	J
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	6.0	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	**Lab Number**	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	**Project Number**	: 20-003
Lab ID	: L2537939-05	**Date Collected**	: 06/16/25 10:35
Client ID	: BR-13 (061625)	**Date Received**	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	**Date Analyzed**	: 06/28/25 13:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: AJK
Lab File ID	: VG250628A12	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U
76-13-1	Freon-113	2.9	2.5	0.70	
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: L2537939-06	Date Collected	: 06/16/25 14:20
Client ID	: BR-15 (061625)	Date Received	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	Date Analyzed	: 06/28/25 11:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: KAB
Lab File ID	: V01250628A07	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	110	2.5	0.70	
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	2.2	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	120	2.5	0.70	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	5.6	2.5	0.70	
100-41-4	Ethylbenzene	1.6	2.5	0.70	J
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	86	1.0	0.07	
75-00-3	Chloroethane	31	2.5	0.70	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: L2537939-06	Date Collected	: 06/16/25 14:20
Client ID	: BR-15 (061625)	Date Received	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	Date Analyzed	: 06/28/25 11:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: KAB
Lab File ID	: V01250628A07	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-35-4	1,1-Dichloroethene	0.81	0.50	0.17	
156-60-5	trans-1,2-Dichloroethene	2.4	2.5	0.70	J
79-01-6	Trichloroethene	1.6	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	4.3	2.5	0.70	
95-47-6	o-Xylene	1.5	2.5	0.70	J
156-59-2	cis-1,2-Dichloroethene	67	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	8.8	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: L2537939-06	Date Collected	: 06/16/25 14:20
Client ID	: BR-15 (061625)	Date Received	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	Date Analyzed	: 06/28/25 11:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: KAB
Lab File ID	: V01250628A07	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	0.59	10	0.27	J
123-91-1	1,4-Dioxane	ND	250	61.	U
76-13-1	Freon-113	72	2.5	0.70	
108-87-2	Methyl cyclohexane	1.3	10	0.40	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: L2537939-07	Date Collected	: 06/16/25 00:00
Client ID	: TRIP BLANK (061625)	Date Received	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	Date Analyzed	: 06/28/25 10:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: KAB
Lab File ID	: V01250628A06	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: L2537939-07	Date Collected	: 06/16/25 00:00
Client ID	: TRIP BLANK (061625)	Date Received	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	Date Analyzed	: 06/28/25 10:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: KAB
Lab File ID	: V01250628A06	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	6.5	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: L2537939-07	Date Collected	: 06/16/25 00:00
Client ID	: TRIP BLANK (061625)	Date Received	: 06/17/25
Sample Location	: 766 NEW BABCOCK ST. & 50 HANNAH ST. BUFFALO	Date Analyzed	: 06/28/25 10:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: KAB
Lab File ID	: V01250628A06	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: WG2085068-5	Date Collected	: NA
Client ID	: WG2085068-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/28/25 10:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08250628A05	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: WG2085068-5	Date Collected	: NA
Client ID	: WG2085068-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/28/25 10:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08250628A05	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	**Lab Number**	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	**Project Number**	: 20-003
Lab ID	: WG2085068-5	**Date Collected**	: NA
Client ID	: WG2085068-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/28/25 10:16
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08250628A05	**Instrument ID**	: VOA108
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: WG2085076-5	Date Collected	: NA
Client ID	: WG2085076-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/28/25 10:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01250628A05	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: WG2085076-5	Date Collected	: NA
Client ID	: WG2085076-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/28/25 10:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01250628A05	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	**Lab Number**	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	**Project Number**	: 20-003
Lab ID	: WG2085076-5	**Date Collected**	: NA
Client ID	: WG2085076-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/28/25 10:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V01250628A05	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: WG2085378-5	Date Collected	: NA
Client ID	: WG2085378-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/28/25 11:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG250628A08	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: WG2085378-5	Date Collected	: NA
Client ID	: WG2085378-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/28/25 11:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG250628A08	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Matrix Environmental Technologies	Lab Number	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003
Lab ID	: WG2085378-5	Date Collected	: NA
Client ID	: WG2085378-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/28/25 11:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG250628A08	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Initial Calibration Summary
Form 6
Volatiles

Client	: Matrix Environmental Technologies	**Lab Number**	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	**Project Number**	: 20-003
Instrument ID	: VOA101	**Ical Ref**	: ICAL22345
Calibration dates	: 06/05/25 13:54 06/05/25 17:55		

Calibration Files

L11 =V01250605A03.D L1 =V01250605A04.D L2 =V01250605A06.D L3 =V01250605A08.D L4 =V01250605A09.D

L6 =V01250605A10.D L8 =V01250605A11.D L10 =V01250605A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40)	TP	1,1-Dichloropropene		0.292	0.269	0.333	0.347	0.364	0.360	0.359	0.332	11.21
41)	TP	Benzene	0.928	0.979	0.945	1.018	1.009	1.031	1.043	1.049	1.000	4.50
42)	TP	tert-Amyl methyl ether		0.627	0.572	0.640	0.648	0.640	0.652	0.651	0.633	4.45
43)	S	1,2-Dichloroethane-d4	0.267	0.265	0.268	0.263	0.267	0.270	0.282	0.285	0.271	2.98
44)	TP	1,2-Dichloroethane	0.283	0.273	0.285	0.310	0.303	0.301	0.307	0.305	0.296	4.67
47)	TP	Methyl cyclohexane			0.260	0.426	0.471	0.499	0.489	0.501	*L	0.9998
48)	TP	Trichloroethene	0.287	0.295	0.253	0.282	0.280	0.295	0.299	0.308	0.287	5.76
50)	TP	Dibromomethane		0.129	0.129	0.142	0.143	0.143	0.146	0.146	0.140	5.38
51)	TP	1,2-Dichloropropane		0.266	0.247	0.269	0.269	0.272	0.276	0.276	0.268	3.72
53)	TP	2-Chloroethyl vinyl ether			0.011	0.018	0.020	0.019	0.020	0.021	0.018	19.91
54)	TP	Bromodichloromethane		0.339	0.329	0.355	0.353	0.351	0.361	0.361	0.350	3.36
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	8.92
58)	TP	cis-1,3-Dichloropropene	0.357	0.387	0.380	0.409	0.416	0.417	0.425	0.425	0.402	6.14
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.248	1.277	1.277	1.270	1.262	1.224	1.233	1.191	1.248	2.43
61)	TP	Toluene		0.777	0.781	0.851	0.841	0.838	0.841	0.840	0.824	3.78
62)	TP	4-Methyl-2-pentanone		0.051	0.064	0.076	0.079	0.075	0.076	0.074	0.070	14.17
63)	TP	Tetrachloroethene	0.299	0.338	0.330	0.384	0.395	0.403	0.393	0.398	0.367	10.70
65)	TP	trans-1,3-Dichloropropene	0.322	0.385	0.380	0.423	0.435	0.422	0.422	0.418	0.401	9.30
67)	TP	Ethyl methacrylate		0.234	0.243	0.314	0.320	0.312	0.318	0.313	0.293	12.85
68)	TP	1,1,2-Trichloroethane		0.213	0.198	0.206	0.205	0.199	0.201	0.198	0.203	2.74
69)	TP	Chlorodibromomethane		0.298	0.299	0.335	0.341	0.333	0.334	0.328	0.324	5.48
70)	TP	1,3-Dichloropropane		0.374	0.384	0.423	0.428	0.408	0.409	0.397	0.403	4.88
71)	TP	1,2-Dibromoethane		0.223	0.225	0.246	0.253	0.242	0.243	0.235	0.238	4.68
72)	TP	2-Hexanone			0.098	0.120	0.127	0.122	0.122	0.119	0.118	8.70
73)	TP	Chlorobenzene		0.910	0.891	0.986	0.971	0.969	0.970	0.966	0.952	3.79
74)	TP	Ethylbenzene		1.447	1.461	1.615	1.632	1.655	1.654	1.665	1.590	5.94
75)	TP	1,1,1,2-Tetrachloroethane		0.326	0.331	0.362	0.359	0.353	0.356	0.356	0.349	4.12
76)	TP	p/m Xylene		0.543	0.592	0.654	0.661	0.675	0.676	0.687	0.641	8.33
77)	TP	o Xylene		0.573	0.573	0.639	0.639	0.655	0.662	0.661	0.629	6.27
78)	TP	Styrene		0.814	0.863	1.010	1.062	1.081	1.102	1.102	1.005	11.82
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.326	0.317	0.360	0.377	0.369	0.376	0.372	0.357	6.91
82)	TP	Isopropylbenzene		2.635	2.574	2.888	2.970	3.005	2.966	2.987	2.861	6.28
83)	S	4-Bromofluorobenzene	0.897	0.888	0.882	0.862	0.873	0.846	0.848	0.828	0.865	2.72
84)	TP	Bromobenzene		0.679	0.666	0.723	0.715	0.701	0.705	0.699	0.698	2.83

Initial Calibration Summary
Form 6
Volatiles

Client	: Matrix Environmental Technologies	**Lab Number**	: L2537939
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	**Project Number**	: 20-003
Instrument ID	: VOA108	**Ical Ref**	: ICAL22356
Calibration dates	: 06/11/25 04:08 06/11/25 07:49		

Calibration Files
L11 =V08250611A04.d L1 =V08250611A06.d L2 =V08250611A08.d L3 =V08250611A10.d L4 =V08250611A11.d
L6 =V08250611A12.d L8 =V08250611A13.d L10 =V08250611A14.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
41)	TP	Benzene	0.939	0.898	1.046	1.071	1.048	1.057	1.036	1.041	1.017	6.14
42)	TP	tert-Amyl methyl ether		0.446	0.512	0.567	0.592	0.622	0.643	0.627	0.573	12.45
43)	S	1,2-Dichloroethane-d4	0.316	0.313	0.311	0.306	0.296	0.304	0.300	0.316	0.308	2.41
44)	TP	1,2-Dichloroethane	0.356	0.306	0.324	0.323	0.300	0.308	0.307	0.295	0.315	6.19
47)	TP	Methyl cyclohexane			0.308	0.355	0.352	0.409	0.426	0.436	0.381	13.26
48)	TP	Trichloroethene	0.289	0.218	0.251	0.276	0.270	0.292	0.317	0.330	0.280	12.75
50)	TP	Dibromomethane		0.148	0.156	0.163	0.154	0.156	0.161	0.155	0.156	3.18
51)	TP	1,2-Dichloropropane		0.203	0.238	0.250	0.255	0.253	0.254	0.239	0.242	7.69
53)	TP	2-Chloroethyl vinyl ether			0.094	0.108	0.117	0.126	0.129	0.116	0.115	11.06
54)	TP	Bromodichloromethane		0.324	0.341	0.363	0.366	0.380	0.382	0.367	0.360	5.79
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	6.33
58)	TP	cis-1,3-Dichloropropene	0.264	0.295	0.330	0.376	0.395	0.415	0.426	0.401	0.363	16.42
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.253	1.276	1.268	1.287	1.266	1.174	1.177	1.076	1.222	6.02
61)	TP	Toluene		0.609	0.780	0.816	0.771	0.770	0.837	0.759	0.763	9.64
62)	TP	4-Methyl-2-pentanone		0.040	0.054	0.066	0.071	0.071	0.072	0.064	0.063	18.89
63)	TP	Tetrachloroethene	0.369	0.281	0.335	0.376	0.361	0.363	0.401	0.385	0.359	10.26
65)	TP	trans-1,3-Dichloropropene	0.322	0.279	0.343	0.419	0.420	0.416	0.435	0.401	0.379	15.07
67)	TP	Ethyl methacrylate			0.210	0.289	0.313	0.303	0.322	0.288	0.288	13.94
68)	TP	1,1,2-Trichloroethane		0.228	0.214	0.228	0.218	0.203	0.216	0.196	0.215	5.62
69)	TP	Chlorodibromomethane		0.317	0.311	0.365	0.373	0.366	0.393	0.359	0.355	8.46
70)	TP	1,3-Dichloropropane		0.368	0.431	0.454	0.434	0.402	0.419	0.368	0.411	8.11
71)	TP	1,2-Dibromoethane		0.194	0.236	0.264	0.242	0.231	0.245	0.222	0.233	9.29
72)	TP	2-Hexanone			0.109	0.130	0.142	0.137	0.143	0.125	0.131	9.69
73)	TP	Chlorobenzene		0.869	0.907	0.980	0.947	0.960	1.051	0.960	0.954	6.01
74)	TP	Ethylbenzene		1.093	1.387	1.610	1.540	1.670	1.777	1.629	1.529	14.83
75)	TP	1,1,1,2-Tetrachloroethane		0.251	0.322	0.375	0.375	0.397	0.425	0.396	0.363	16.12
76)	TP	p/m Xylene		0.409	0.557	0.637	0.642	0.725	0.795	0.787	*Q	0.9986
77)	TP	o Xylene		0.462	0.553	0.624	0.645	0.744	0.809	0.789	0.661	19.36
78)	TP	Styrene		0.654	0.842	1.029	1.110	1.258	1.365	1.269	*Q	0.9971
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.277	0.307	0.362	0.378	0.438	0.472	0.429	0.380	18.76
82)	TP	Isopropylbenzene		2.080	2.461	2.715	2.577	2.828	3.060	2.783	2.644	11.83
83)	S	4-Bromofluorobenzene	0.707	0.748	0.724	0.724	0.628	0.662	0.643	0.617	0.682	7.34
84)	TP	Bromobenzene		0.773	0.722	0.745	0.657	0.724	0.778	0.720	0.731	5.56
85)	TP	n-Propylbenzene		2.404	2.877	3.260	2.956	3.296	3.654	3.250	3.100	12.83

Initial Calibration Summary
Form 6
Volatiles

Client	: **Matrix Environmental Technologies**	**Lab Number**	: **L2537939**
Project Name	: **NIAGARA METLS Q2 2025 GW SAMPL**	**Project Number**	: **20-003**
Instrument ID	: **GONZO**	**Ical Ref**	: **ICAL22400**
Calibration dates	: **06/20/25 01:35 06/20/25 06:01**		

Calibration Files

L11 =VG250619N04.D L1 =VG250619N06.D L2 =VG250619N08.D L3 =VG250619N10.D L4 =VG250619N11.D

L6 =VG250619N12.D L8 =VG250619N13.D L10 =VG250619N14.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropropene		0.212	0.250	0.249	0.258	0.261	0.260	0.248	0.248	6.89
41) TP	Benzene	0.751	0.664	0.783	0.796	0.816	0.831	0.819	0.779	0.780	6.86
42) TP	tert-Amyl methyl ether		0.515	0.539	0.561	0.591	0.606	0.600	0.570	0.569	5.87
43) S	1,2-Dichloroethane-d4	0.268	0.266	0.265	0.272	0.263	0.258	0.260	0.272	0.266	1.92
44) TP	1,2-Dichloroethane	0.262	0.254	0.242	0.250	0.262	0.265	0.260	0.250	0.256	3.19
47) TP	Methyl cyclohexane		0.218	0.286	0.279	0.294	0.296	0.300	0.284	0.280	10.08
48) TP	Trichloroethene	0.278	0.141	0.194	0.217	0.221	0.225	0.222	0.212	0.214	17.69
50) TP	Dibromomethane		0.120	0.130	0.128	0.132	0.135	0.133	0.126	0.129	3.89
51) TP	1,2-Dichloropropane		0.173	0.200	0.204	0.208	0.212	0.209	0.198	0.200	6.43
53) TP	2-Chloroethyl vinyl ether		0.066	0.085	0.091	0.101	0.105	0.105	0.103	0.094	15.45
54) TP	Bromodichloromethane		0.251	0.282	0.285	0.293	0.297	0.295	0.280	0.283#	5.56
57) TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	5.47
58) TP	cis-1,3-Dichloropropene	0.296	0.322	0.323	0.333	0.349	0.353	0.349	0.330	0.332	5.68
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.244	1.241	1.240	1.244	1.235	1.243	1.243	1.248	1.242	0.30
61) TP	Toluene		0.567	0.646	0.646	0.658	0.667	0.661	0.637	0.640	5.27
62) TP	4-Methyl-2-pentanone		0.067	0.076	0.078	0.082	0.084	0.082	0.079	0.078	7.41
63) TP	Tetrachloroethene	0.290	0.239	0.298	0.310	0.315	0.310	0.309	0.297	0.296	8.31
65) TP	trans-1,3-Dichloropropene	0.347	0.335	0.357	0.371	0.391	0.391	0.386	0.377	0.369	5.68
67) TP	Ethyl methacrylate		0.264	0.275	0.293	0.314	0.322	0.318	0.308	0.299	7.44
68) TP	1,1,2-Trichloroethane		0.195	0.179	0.185	0.195	0.196	0.193	0.188	0.190#	3.37
69) TP	Chlorodibromomethane		0.285	0.288	0.295	0.310	0.320	0.316	0.309	0.304	4.60
70) TP	1,3-Dichloropropane		0.321	0.370	0.373	0.385	0.388	0.383	0.370	0.370	6.13
71) TP	1,2-Dibromoethane		0.223	0.234	0.242	0.252	0.253	0.246	0.239	0.241	4.34
72) TP	2-Hexanone			0.111	0.130	0.133	0.138	0.135	0.131	0.130	7.41
73) TP	Chlorobenzene		0.675	0.765	0.764	0.785	0.790	0.778	0.753	0.758	5.12
74) TP	Ethylbenzene		1.065	1.219	1.235	1.263	1.280	1.275	1.243	1.226	6.05
75) TP	1,1,1,2-Tetrachloroethane		0.266	0.280	0.290	0.300	0.306	0.304	0.296	0.292	4.92
76) TP	p/m Xylene		0.406	0.484	0.498	0.506	0.510	0.508	0.505	0.488	7.62
77) TP	o Xylene		0.422	0.485	0.492	0.502	0.510	0.502	0.513	0.490	6.42
78) TP	Styrene		0.678	0.798	0.838	0.872	0.883	0.902	0.908	0.840	9.65
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.343	0.359	0.360	0.387	0.400	0.398	0.383	0.376	5.78
82) TP	Isopropylbenzene		1.623	2.037	2.065	2.144	2.156	2.174	2.054	2.036	9.34
83) S	4-Bromofluorobenzene	0.843	0.825	0.834	0.824	0.827	0.810	0.824	0.811	0.825	1.32
84) TP	Bromobenzene		0.546	0.638	0.636	0.650	0.645	0.644	0.603	0.623	6.00

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A17.D
Acq On : 5 Jun 2025 8:08 pm
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG2075731,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 06 07:30:15 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:29:01 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.271	0.258	4.8	97	0.00
44	TP	1,2-Dichloroethane	0.296	0.291	1.7	93	0.00
47	TP	Methyl cyclohexane	* 10.000	10.626	-6.3	111	0.00
48	TP	Trichloroethene	0.287	0.270	5.9	95	0.00
50	TP	Dibromomethane	0.140	0.134	4.3	94	0.00
51	TP	1,2-Dichloropropane	0.268	0.251	6.3	92	0.00
53	TP	2-Chloroethyl vinyl ether	0.018	0.016	11.1	88	0.00
54	TP	Bromodichloromethane	0.350	0.329	6.0	92	0.00
57	TP	1,4-Dioxane	0.00131	0.00095#	27.5#	63	0.00
58	TP	cis-1,3-Dichloropropene	0.402	0.381	5.2	92	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
60	S	Toluene-d8	1.248	1.268	-1.6	99	0.00
61	TP	Toluene	0.824	0.815	1.1	95	0.00
62	TP	4-Methyl-2-pentanone	0.070	0.066	5.7	86	0.00
63	TP	Tetrachloroethene	0.367	0.376	-2.5	97	0.00
65	TP	trans-1,3-Dichloropropene	0.401	0.405	-1.0	95	0.00
67	TP	Ethyl methacrylate	0.293	0.303	-3.4	96	0.00
68	TP	1,1,2-Trichloroethane	0.203	0.195#	3.9	94	0.00
69	TP	Chlorodibromomethane	0.324	0.314	3.1	93	0.00
70	TP	1,3-Dichloropropane	0.403	0.404	-0.2	95	0.00
71	TP	1,2-Dibromoethane	0.238	0.236	0.8	95	0.00
72	TP	2-Hexanone	0.118	0.104	11.9	85	0.00
73	TP	Chlorobenzene	0.952	0.938	1.5	94	0.00
74	TP	Ethylbenzene	1.590	1.585	0.3	97	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.349	0.347	0.6	95	0.00
76	TP	p/m Xylene	0.641	0.638	0.5	97	0.00
77	TP	o Xylene	0.629	0.619	1.6	96	0.00
78	TP	Styrene	1.005	0.995	1.0	98	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
80	TP	Bromoform	0.357	0.348	2.5	94	0.00
82	TP	Isopropylbenzene	2.861	2.865	-0.1	96	0.00
83	S	4-Bromofluorobenzene	0.865	0.875	-1.2	98	0.00
84	TP	Bromobenzene	0.698	0.721	-3.3	97	0.00
85	TP	n-Propylbenzene	3.257	3.271	-0.4	98	0.00
86	TP	1,4-Dichlorobutane	0.744	0.741	0.4	97	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.502	0.468	6.8	89	0.00
88	TP	4-Ethyltoluene	2.740	2.981	-8.8	104	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA108\2025\250611AICAL\
Data File : V08250611A19.d
Acq On : 11 Jun 2025 9:38 am
Operator : VOA108:PID
Sample : C8260STD10PPB
Misc : WG2077605,ICAL (Sig #1); WG,ICAL22328 (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 11 15:03:01 2025
Quant Method : K:\VOA108\2025\250611AICAL\V108_250611A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 11 15:00:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	109	0.00
2	TP	Dichlorodifluoromethane	0.250	0.300	-20.0	118	0.00
3	TP	Chloromethane	0.260	0.301	-15.8	120	0.00
4	TP	Vinyl chloride	0.311	0.333	-7.1	101	0.00
5	TP	Bromomethane	0.224	0.211	5.8	100	0.00
6	TP	Chloroethane	0.224	0.235	-4.9	102	0.00
7	TP	Trichlorofluoromethane	0.730	0.831	-13.8	109	0.00
8	TP	Ethyl ether	0.194	0.175	9.8	96	0.00
10	TP	1,1-Dichloroethene	0.337	0.340	-0.9	115	0.00
11	TP	Carbon disulfide	1.015	0.896	11.7	111	0.00
12	TP	Freon-113	0.331	0.417	-26.0#	169	0.00
14	TP	Acrolein	0.024	0.020	16.7	82	-0.01
15	TP	Methylene chloride	0.281	0.241	14.2	94	0.00
17	TP	Acetone	0.050	0.042	16.0	87	0.00
18	TP	trans-1,2-Dichloroethene	0.252	0.248	1.6	107	0.00
19	TP	Methyl acetate	0.122	0.110	9.8	101	0.00
20	TP	Methyl tert-butyl ether	0.609	0.500	17.9	88	0.00
21	TP	tert-Butyl alcohol	0.012	0.011	8.3	99	0.00
22	TP	Diisopropyl ether	0.824	0.803	2.5	105	0.00
23	TP	1,1-Dichloroethane	0.459	0.468	-2.0	104	0.00
24	TP	Halothane	0.209	0.220	-5.3	106	0.00
25	TP	Acrylonitrile	0.057	0.050	12.3	83	0.00
26	TP	Ethyl tert-butyl ether	0.647	0.621	4.0	109	0.00
27	TP	Vinyl acetate	0.474	0.370	21.9#	88	0.00
28	TP	cis-1,2-Dichloroethene	0.289	0.285	1.4	102	0.00
29	TP	2,2-Dichloropropane	0.346	0.338	2.3	107	0.00
30	TP	Bromochloromethane	0.167	0.145	13.2	97	0.00
31	TP	Cyclohexane	0.374	0.404	-8.0	112	0.00
32	TP	Chloroform	0.515	0.479	7.0	100	0.00
33	TP	Ethyl acetate	0.184	0.169	8.2	98	0.00
34	TP	Carbon tetrachloride	0.419	0.405	3.3	103	0.00
35	TP	Tetrahydrofuran	0.058	0.052	10.3	93	0.00
36	S	Dibromofluoromethane	0.322	0.323	-0.3	112	0.00
37	TP	1,1,1-Trichloroethane	0.428	0.441	-3.0	105	0.00
39	TP	2-Butanone	0.075	0.071	5.3	106	0.00
40	TP	1,1-Dichloropropene	0.322	0.356	-10.6	116	0.00
41	TP	Benzene	1.017	1.004	1.3	102	0.00
42	TP	tert-Amyl methyl ether	0.573	0.509	11.2	98	0.00
43	S	1,2-Dichloroethane-d4	0.308	0.291	5.5	103	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA108\2025\250611AICAL\
Data File : V08250611A19.d
Acq On : 11 Jun 2025 9:38 am
Operator : VOA108:PID
Sample : C8260STD10PPB
Misc : WG2077605,ICAL (Sig #1); WG,ICAL22328 (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 11 15:03:01 2025
Quant Method : K:\VOA108\2025\250611AICAL\V108_250611A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 11 15:00:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TP	1,2-Dichloroethane	0.315	0.295	6.3	100	0.00
47	TP	Methyl cyclohexane	0.381	0.357	6.3	110	0.00
48	TP	Trichloroethene	0.280	0.260	7.1	102	0.00
50	TP	Dibromomethane	0.156	0.147	5.8	98	0.00
51	TP	1,2-Dichloropropane	0.242	0.235	2.9	102	0.00
53	TP	2-Chloroethyl vinyl ether	0.115	0.100	13.0	100	0.00
54	TP	Bromodichloromethane	0.360	0.330	8.3	99	0.00
57	TP	1,4-Dioxane	0.00137	0.00139#	-1.5	103	0.00
58	TP	cis-1,3-Dichloropropene	0.363	0.341	6.1	99	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	110	0.00
60	S	Toluene-d8	1.222	1.292	-5.7	111	0.00
61	TP	Toluene	0.763	0.764	-0.1	103	0.00
62	TP	4-Methyl-2-pentanone	0.063	0.059	6.3	99	0.00
63	TP	Tetrachloroethene	0.359	0.358	0.3	105	0.00
65	TP	trans-1,3-Dichloropropene	0.379	0.370	2.4	97	0.00
67	TP	Ethyl methacrylate	0.288	0.267	7.3	102	0.00
68	TP	1,1,2-Trichloroethane	0.215	0.212	1.4	102	0.00
69	TP	Chlorodibromomethane	0.355	0.323	9.0	97	0.00
70	TP	1,3-Dichloropropane	0.411	0.410	0.2	99	0.00
71	TP	1,2-Dibromoethane	0.233	0.232	0.4	97	0.00
72	TP	2-Hexanone	0.131	0.108	17.6	92	0.00
73	TP	Chlorobenzene	0.954	0.941	1.4	106	0.00
74	TP	Ethylbenzene	1.529	1.541	-0.8	105	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.363	0.333	8.3	98	0.00
76	TP	p/m Xylene	* 20.000	18.242	8.8	106	0.00
77	TP	o Xylene	0.661	0.592	10.4	105	0.00
78	TP	Styrene	* 20.000	16.238	18.8	102	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	112	0.00
80	TP	Bromoform	0.380	0.296	22.1#	91	0.00
82	TP	Isopropylbenzene	2.644	2.594	1.9	107	0.00
83	S	4-Bromofluorobenzene	0.682	0.680	0.3	105	0.00
84	TP	Bromobenzene	0.731	0.679	7.1	102	0.00
85	TP	n-Propylbenzene	3.100	3.056	1.4	105	0.00
86	TP	1,4-Dichlorobutane	0.659	0.640	2.9	101	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.500	0.447	10.6	90	0.00
88	TP	4-Ethyltoluene	2.572	2.641	-2.7	110	0.00
89	TP	2-Chlorotoluene	1.800	1.711	4.9	100	0.00

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N19.D
Acq On : 20 Jun 2025 8:14 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 20 10:24:41 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.266	0.271	-1.9	96	0.00
44	TP	1,2-Dichloroethane	0.256	0.243	5.1	95	0.00
47	TP	Methyl cyclohexane	0.280	0.266	5.0	92	0.00
48	TP	Trichloroethene	0.214	0.210	1.9	94	0.00
50	TP	Dibromomethane	0.129	0.119	7.8	90	0.00
51	TP	1,2-Dichloropropane	0.200	0.196#	2.0	93	0.00
53	TP	2-Chloroethyl vinyl ether	0.094	0.079	16.0	84	0.00
54	TP	Bromodichloromethane	0.283	0.261#	7.8	89	0.00
57	TP	1,4-Dioxane	0.00205	0.00186#	9.3	90	0.00
58	TP	cis-1,3-Dichloropropene	0.332	0.314	5.4	92	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
60	S	Toluene-d8	1.242	1.236	0.5	97	0.00
61	TP	Toluene	0.640	0.618	3.4	94	0.00
62	TP	4-Methyl-2-pentanone	0.078	0.062	20.5#	79	0.00
63	TP	Tetrachloroethene	0.296	0.294	0.7	93	0.00
65	TP	trans-1,3-Dichloropropene	0.369	0.343	7.0	91	0.00
67	TP	Ethyl methacrylate	0.299	0.262	12.4	88	0.00
68	TP	1,1,2-Trichloroethane	0.190	0.174#	8.4	92	0.00
69	TP	Chlorodibromomethane	0.304	0.285	6.3	94	0.00
70	TP	1,3-Dichloropropane	0.370	0.347	6.2	91	0.00
71	TP	1,2-Dibromoethane	0.241	0.224	7.1	90	0.00
72	TP	2-Hexanone	0.130	0.104	20.0#	78	0.00
73	TP	Chlorobenzene	0.758	0.738	2.6	95	0.00
74	TP	Ethylbenzene	1.226	1.183	3.5	94	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.292	0.272	6.8	92	0.00
76	TP	p/m Xylene	0.488	0.479	1.8	94	0.00
77	TP	o Xylene	0.490	0.462	5.7	92	0.00
78	TP	Styrene	0.840	0.785	6.5	92	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
80	TP	Bromoform	0.376	0.341	9.3	91	0.00
82	TP	Isopropylbenzene	2.036	1.991	2.2	93	0.00
83	S	4-Bromofluorobenzene	0.825	0.823	0.2	96	0.00
84	TP	Bromobenzene	0.623	0.619	0.6	94	0.00
85	TP	n-Propylbenzene	2.328	2.296	1.4	94	0.00
86	TP	1,4-Dichlorobutane	0.666	0.596	10.5	89	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.527	0.460	12.7	88	0.00
88	TP	4-Ethyltoluene	2.009	2.000	0.4	95	0.00

Calibration Verification Summary
Form 7
Volatiles

Client	: Matrix Environmental Technologies	Lab Number	: L2537939		
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003		
Instrument ID	: VOA108	Calibration Date	: 06/28/25 08:48		
Lab File ID	: V08250628A01	Init. Calib. Date(s)	: 06/11/25	06/11/25	
Sample No	: WG2085068-2	Init. Calib. Times	: 04:08	07:49	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	104	0
Dichlorodifluoromethane	0.25	0.297	-	-18.8	20	111	0
Chloromethane	0.26	0.226	-	13.1	20	85	0
Vinyl chloride	0.311	0.291	-	6.4	20	84	0
Bromomethane	0.224	0.149	-	33.5*	20	67	0
Chloroethane	0.224	0.205	-	8.5	20	84	0
Trichlorofluoromethane	0.73	0.595	-	18.5	20	74	0
Ethyl ether	0.194	0.152	-	21.6*	20	79	0
1,1-Dichloroethene	0.337	0.293	-	13.1	20	94	0
Carbon disulfide	1.015	0.977	-	3.7	20	115	0
Freon-113	0.331	0.298	-	10	20	115	0
Acrolein	0.024	0.024	-	0	20	90	0
Methylene chloride	0.281	0.276	-	1.8	20	102	0
Acetone	0.05	0.044	-	12	20	88	0
trans-1,2-Dichloroethene	0.252	0.274	-	-8.7	20	112	0
Methyl acetate	0.122	0.1	-	18	20	87	0
Methyl tert-butyl ether	0.609	0.553	-	9.2	20	93	0
tert-Butyl alcohol	0.012	0.011	-	8.3	20	93	0
Diisopropyl ether	0.824	0.705	-	14.4	20	87	0
1,1-Dichloroethane	0.459	0.454	-	1.1	20	96	0
Halothane	0.209	0.222	-	-6.2	20	102	0
Acrylonitrile	0.057	0.049	-	14	20	79	0
Ethyl tert-butyl ether	0.647	0.561	-	13.3	20	94	0
Vinyl acetate	0.474	0.415	-	12.4	20	94	0
cis-1,2-Dichloroethene	0.289	0.318	-	-10	20	108	0
2,2-Dichloropropane	0.346	0.417	-	-20.5*	20	125	0
Bromochloromethane	0.167	0.166	-	0.6	20	105	0
Cyclohexane	0.374	0.32	-	14.4	20	84	0
Chloroform	0.515	0.518	-	-0.6	20	103	0
Ethyl acetate	0.184	0.153	-	16.8	20	85	0
Carbon tetrachloride	0.419	0.45	-	-7.4	20	109	0
Tetrahydrofuran	0.058	0.044	-	24.1*	20	75	0
Dibromofluoromethane	0.322	0.323	-	-0.3	20	107	0
1,1,1-Trichloroethane	0.428	0.48	-	-12.1	20	108	0
2-Butanone	0.075	0.058	-	22.7*	20	83	-.01
1,1-Dichloropropene	0.322	0.32	-	0.6	20	100	0
Benzene	1.017	1.018	-	-0.1	20	98	0
tert-Amyl methyl ether	0.573	0.537	-	6.3	20	98	0
1,2-Dichloroethane-d4	0.308	0.285	-	7.5	20	96	0
1,2-Dichloroethane	0.315	0.308	-	2.2	20	99	0
Methyl cyclohexane	0.381	0.337	-	11.5	20	99	0
Trichloroethene	0.28	0.298	-	-6.4	20	112	0
Dibromomethane	0.156	0.164	-	-5.1	20	104	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Matrix Environmental Technologies	Lab Number	: L2537939		
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003		
Instrument ID	: VOA108	Calibration Date	: 06/28/25 08:48		
Lab File ID	: V08250628A01	Init. Calib. Date(s)	: 06/11/25	06/11/25	
Sample No	: WG2085068-2	Init. Calib. Times	: 04:08	07:49	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.242	0.231	-	4.5	20	96	0
Bromodichloromethane	0.36	0.385	-	-6.9	20	110	0
1,4-Dioxane	0.00137	0.00124*	-	9.5	20	87	0
cis-1,3-Dichloropropene	0.363	0.381	-	-5	20	105	0
Chlorobenzene-d5	1	1	-	0	20	107	0
Toluene-d8	1.222	1.24	-	-1.5	20	103	0
Toluene	0.763	0.825	-	-8.1	20	108	0
4-Methyl-2-pentanone	0.063	0.053	-	15.9	20	85	-.01
Tetrachloroethene	0.359	0.403	-	-12.3	20	115	0
trans-1,3-Dichloropropene	0.379	0.416	-	-9.8	20	106	0
Ethyl methacrylate	0.288	0.239	-	17	20	89	0
1,1,2-Trichloroethane	0.215	0.223	-	-3.7	20	104	0
Chlorodibromomethane	0.355	0.406	-	-14.4	20	119	0
1,3-Dichloropropane	0.411	0.431	-	-4.9	20	101	0
1,2-Dibromoethane	0.233	0.268	-	-15	20	109	0
2-Hexanone	0.131	0.089	-	32.1*	20	74	0
Chlorobenzene	0.954	1.042	-	-9.2	20	114	0
Ethylbenzene	1.529	1.638	-	-7.1	20	109	0
1,1,1,2-Tetrachloroethane	0.363	0.44	-	-21.2*	20	125	0
p/m Xylene	20	20.336	-	-1.7	20	115	0
o Xylene	0.661	0.675	-	-2.1	20	116	0
Styrene	20	18.293	-	8.5	20	113	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	112	0
Bromoform	0.38	0.388	-	-2.1	20	120	0
Isopropylbenzene	2.644	2.838	-	-7.3	20	117	0
4-Bromofluorobenzene	0.682	0.711	-	-4.3	20	110	0
Bromobenzene	0.731	0.777	-	-6.3	20	117	0
n-Propylbenzene	3.1	3.299	-	-6.4	20	114	0
1,4-Dichlorobutane	0.659	0.61	-	7.4	20	97	0
1,1,2,2-Tetrachloroethane	0.5	0.525	-	-5	20	107	0
4-Ethyltoluene	2.572	2.906	-	-13	20	121	0
2-Chlorotoluene	1.8	1.959	-	-8.8	20	115	0
1,3,5-Trimethylbenzene	2.338	2.559	-	-9.5	20	122	0
1,2,3-Trichloropropane	0.414	0.413	-	0.2	20	108	0
trans-1,4-Dichloro-2-buten	0.12	0.104	-	13.3	20	92	0
4-Chlorotoluene	1.832	2.037	-	-11.2	20	119	0
tert-Butylbenzene	1.981	2.174	-	-9.7	20	122	0
1,2,4-Trimethylbenzene	2.288	2.513	-	-9.8	20	120	0
sec-Butylbenzene	2.91	3.194	-	-9.8	20	117	0
p-Isopropyltoluene	10	9.959	-	0.4	20	118	0
1,3-Dichlorobenzene	1.476	1.63	-	-10.4	20	125	0
1,4-Dichlorobenzene	1.503	1.617	-	-7.6	20	122	0
p-Diethylbenzene	1.575	1.66	-	-5.4	20	123	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Matrix Environmental Technologies	Lab Number	: L2537939	
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003	
Instrument ID	: VOA101	Calibration Date	: 06/28/25 09:14	
Lab File ID	: V01250628A02	Init. Calib. Date(s)	: 06/05/25	06/05/25
Sample No	: WG2085076-2	Init. Calib. Times	: 13:54	17:55
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	74	0
Dichlorodifluoromethane	0.273	0.292	-	-7	20	79	0
Chloromethane	0.326	0.314	-	3.7	20	72	0
Vinyl chloride	0.335	0.356	-	-6.3	20	78	0
Bromomethane	0.232	0.158	-	31.9*	20	59	0
Chloroethane	0.257	0.304	-	-18.3	20	89	0
Trichlorofluoromethane	0.482	0.531	-	-10.2	20	83	0
1,1-Dichloroethene	0.295	0.282	-	4.4	20	75	0
Carbon disulfide	0.873	0.786	-	10	20	66	0
Freon-113	0.278	0.279	-	-0.4	20	74	0
Methylene chloride	0.267	0.255	-	4.5	20	71	0
Acetone	0.042	0.038	-	9.5	20	63	0
trans-1,2-Dichloroethene	0.27	0.258	-	4.4	20	73	0
Methyl acetate	0.106	0.098	-	7.5	20	66	0
Methyl tert-butyl ether	0.615	0.478	-	22.3*	20	57	0
1,1-Dichloroethane	0.484	0.495	-	-2.3	20	76	0
cis-1,2-Dichloroethene	0.294	0.273	-	7.1	20	67	0
Bromochloromethane	0.132	0.121	-	8.3	20	65	0
Cyclohexane	0.453	0.5	-	-10.4	20	85	0
Chloroform	0.455	0.439	-	3.5	20	71	0
Carbon tetrachloride	0.365	0.347	-	4.9	20	69	0
Dibromofluoromethane	0.27	0.266	-	1.5	20	74	0
1,1,1-Trichloroethane	0.404	0.39	-	3.5	20	72	0
2-Butanone	0.057	0.05	-	12.3	20	66	0
Benzene	1	0.988	-	1.2	20	72	0
1,2-Dichloroethane-d4	0.271	0.278	-	-2.6	20	78	0
1,2-Dichloroethane	0.296	0.291	-	1.7	20	70	0
Methyl cyclohexane	10	9.957	-	0.4	20	78	0
Trichloroethene	0.287	0.269	-	6.3	20	71	0
1,2-Dichloropropane	0.268	0.259	-	3.4	20	72	0
Bromodichloromethane	0.35	0.308	-	12	20	65	0
1,4-Dioxane	0.00131	0.00121*	-	7.6	20	61	0
cis-1,3-Dichloropropene	0.402	0.341	-	15.2	20	62	0
Chlorobenzene-d5	1	1	-	0	20	73	0
Toluene-d8	1.248	1.294	-	-3.7	20	74	0
Toluene	0.824	0.799	-	3	20	68	0
4-Methyl-2-pentanone	0.07	0.056	-	20	20	54	0
Tetrachloroethene	0.367	0.339	-	7.6	20	64	0
trans-1,3-Dichloropropene	0.401	0.345	-	14	20	59	0
1,1,2-Trichloroethane	0.203	0.191*	-	5.9	20	67	0
Chlorodibromomethane	0.324	0.258	-	20.4*	20	56	0
1,2-Dibromoethane	0.238	0.203	-	14.7	20	60	0
2-Hexanone	0.118	0.088	-	25.4*	20	53	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Matrix Environmental Technologies	Lab Number	: L2537939		
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003		
Instrument ID	: VOA101	Calibration Date	: 06/28/25 09:14		
Lab File ID	: V01250628A02	Init. Calib. Date(s)	: 06/05/25	06/05/25	
Sample No	: WG2085076-2	Init. Calib. Times	: 13:54	17:55	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Chlorobenzene	0.952	0.902	-	5.3	20	66	0
Ethylbenzene	1.59	1.593	-	-0.2	20	72	0
p/m Xylene	0.641	0.612	-	4.5	20	68	0
o Xylene	0.629	0.579	-	7.9	20	66	0
Styrene	1.005	0.918	-	8.7	20	66	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	69	0
Bromoform	0.357	0.242	-	32.2*	20	46	0
Isopropylbenzene	2.861	2.908	-	-1.6	20	69	0
4-Bromofluorobenzene	0.865	0.899	-	-3.9	20	72	0
n-Propylbenzene	3.257	3.455	-	-6.1	20	73	0
1,1,2,2-Tetrachloroethane	0.502	0.458	-	8.8	20	62	0
1,3,5-Trimethylbenzene	2.339	2.315	-	1	20	68	0
tert-Butylbenzene	1.978	1.967	-	0.6	20	69	0
1,2,4-Trimethylbenzene	2.255	2.223	-	1.4	20	68	0
sec-Butylbenzene	2.802	2.945	-	-5.1	20	73	0
p-Isopropyltoluene	2.397	2.393	-	0.2	20	69	0
1,3-Dichlorobenzene	1.285	1.229	-	4.4	20	65	0
1,4-Dichlorobenzene	1.321	1.227	-	7.1	20	64	0
n-Butylbenzene	1.9	2.038	-	-7.3	20	76	0
1,2-Dichlorobenzene	1.139	1.067	-	6.3	20	63	0
1,2-Dibromo-3-chloropropan	0.07	0.043	-	38.6*	20	40	0
1,2,4-Trichlorobenzene	0.616	0.494	-	19.8	20	55	0
Naphthalene	1.114	0.82	-	26.4*	20	49	0
1,2,3-Trichlorobenzene	0.471	0.368*	-	21.9*	20	53	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Matrix Environmental Technologies	Lab Number	: L2537939		
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003		
Instrument ID	: GONZO	Calibration Date	: 06/28/25 10:05		
Lab File ID	: VG250628A04	Init. Calib. Date(s)	: 06/20/25	06/20/25	
Sample No	: WG2085378-2	Init. Calib. Times	: 01:35	06:01	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	72	0
Dichlorodifluoromethane	0.219	0.214	-	2.3	20	69	0
Chloromethane	0.205	0.178	-	13.2	20	64	0
Vinyl chloride	0.225	0.235	-	-4.4	20	72	0
Bromomethane	0.154	0.12	-	22.1*	20	63	0
Chloroethane	0.153	0.21	-	-37.3*	20	98	0
Trichlorofluoromethane	0.301	0.293	-	2.7	20	68	0
Ethyl ether	0.109	0.1	-	8.3	20	67	0
1,1-Dichloroethene	0.181	0.164	-	9.4	20	65	0
Carbon disulfide	0.549	0.522	-	4.9	20	68	0
Freon-113	0.181	0.184	-	-1.7	20	72	0
Iodomethane	10	1.757	-	82.4*	20	6	0
Acrolein	0.029	0.021	-	27.6*	20	50	0
Methylene chloride	0.22	0.197	-	10.5	20	69	0
Acetone	0.043	0.038	-	11.6	20	70	0
trans-1,2-Dichloroethene	0.196	0.19	-	3.1	20	69	0
Methyl acetate	0.101	0.094	-	6.9	20	70	0
Methyl tert-butyl ether	0.572	0.495	-	13.5	20	62	0
tert-Butyl alcohol	0.017	0.012	-	29.4*	20	53	0
Diisopropyl ether	0.58	0.562	-	3.1	20	69	0
1,1-Dichloroethane	0.347	0.348	-	-0.3	20	70	0
Halothane	0.164	0.158	-	3.7	20	68	0
Acrylonitrile	0.055	0.051	-	7.3	20	68	0
Ethyl tert-butyl ether	0.597	0.526	-	11.9	20	63	0
Vinyl acetate	0.37	0.321	-	13.2	20	66	0
cis-1,2-Dichloroethene	0.228	0.223	-	2.2	20	69	0
2,2-Dichloropropane	0.29	0.25	-	13.8	20	62	0
Bromochloromethane	0.107	0.109	-	-1.9	20	71	0
Cyclohexane	0.303	0.295	-	2.6	20	71	0
Chloroform	0.357	0.346	-	3.1	20	70	0
Ethyl acetate	0.152	0.141	-	7.2	20	66	0
Carbon tetrachloride	0.285	0.272	-	4.6	20	66	0
Tetrahydrofuran	0.049	0.046	-	6.1	20	72	0
Dibromofluoromethane	0.26	0.262	-	-0.8	20	72	0
1,1,1-Trichloroethane	0.312	0.303	-	2.9	20	69	0
2-Butanone	0.065	0.059	-	9.2	20	76	0
1,1-Dichloropropene	0.248	0.241	-	2.8	20	70	0
Benzene	0.78	0.78	-	0	20	70	0
tert-Amyl methyl ether	0.569	0.466	-	18.1	20	59	0
1,2-Dichloroethane-d4	0.266	0.28	-	-5.3	20	74	0
1,2-Dichloroethane	0.256	0.253	-	1.2	20	72	0
Methyl cyclohexane	0.28	0.262	-	6.4	20	67	0
Trichloroethene	0.214	0.208	-	2.8	20	69	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Matrix Environmental Technologies	Lab Number	: L2537939		
Project Name	: NIAGARA METLS Q2 2025 GW SAMPL	Project Number	: 20-003		
Instrument ID	: GONZO	Calibration Date	: 06/28/25 10:05		
Lab File ID	: VG250628A04	Init. Calib. Date(s)	: 06/20/25	06/20/25	
Sample No	: WG2085378-2	Init. Calib. Times	: 01:35	06:01	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.129	0.124	-	3.9	20	69	0
1,2-Dichloropropane	0.2	0.2*	-	0	20	70	0
Bromodichloromethane	0.283	0.261*	-	7.8	20	66	0
1,4-Dioxane	0.00205	0.00186*	-	9.3	20	66	0
cis-1,3-Dichloropropene	0.332	0.295*	-	11.1	20	63	0
Chlorobenzene-d5	1	1	-	0	20	73	0
Toluene-d8	1.242	1.209	-	2.7	20	71	0
Toluene	0.64	0.624	-	2.5	20	71	0
4-Methyl-2-pentanone	0.078	0.06	-	23.1*	20	57	0
Tetrachloroethene	0.296	0.288	-	2.7	20	68	0
trans-1,3-Dichloropropene	0.369	0.308	-	16.5	20	61	0
Ethyl methacrylate	0.299	0.243	-	18.7	20	61	0
1,1,2-Trichloroethane	0.19	0.176*	-	7.4	20	70	0
Chlorodibromomethane	0.304	0.26	-	14.5	20	64	0
1,3-Dichloropropane	0.37	0.346	-	6.5	20	68	0
1,2-Dibromoethane	0.241	0.224	-	7.1	20	67	0
2-Hexanone	0.13	0.101	-	22.3*	20	56	0
Chlorobenzene	0.758	0.747	-	1.5	20	71	0
Ethylbenzene	1.226	1.17	-	4.6	20	69	0
1,1,1,2-Tetrachloroethane	0.292	0.253	-	13.4	20	64	0
p/m Xylene	0.488	0.473	-	3.1	20	69	0
o Xylene	0.49	0.468	-	4.5	20	69	0
Styrene	0.84	0.796	-	5.2	20	69	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	72	0
Bromoform	0.376	0.295	-	21.5*	20	59	0
Isopropylbenzene	2.036	1.996	-	2	20	70	0
4-Bromofluorobenzene	0.825	0.789	-	4.4	20	69	0
Bromobenzene	0.623	0.603	-	3.2	20	68	0
n-Propylbenzene	2.328	2.312	-	0.7	20	71	0
1,4-Dichlorobutane	0.666	0.617	-	7.4	20	69	0
1,1,2,2-Tetrachloroethane	0.527	0.466	-	11.6	20	67	0
4-Ethyltoluene	2.009	1.985	-	1.2	20	70	0
2-Chlorotoluene	1.463	1.423	-	2.7	20	70	0
1,3,5-Trimethylbenzene	1.751	1.726	-	1.4	20	71	0
1,2,3-Trichloropropane	0.4	0.363	-	9.3	20	66	0
trans-1,4-Dichloro-2-buten	0.147	0.099	-	32.7*	20	54	0
4-Chlorotoluene	1.539	1.509	-	1.9	20	70	0
tert-Butylbenzene	1.454	1.431	-	1.6	20	70	0
1,2,4-Trimethylbenzene	1.747	1.709	-	2.2	20	70	0
sec-Butylbenzene	1.983	1.947	-	1.8	20	70	0
p-Isopropyltoluene	1.783	1.776	-	0.4	20	71	0
1,3-Dichlorobenzene	1.131	1.113	-	1.6	20	71	0
1,4-Dichlorobenzene	1.161	1.169	-	-0.7	20	72	0

* Value outside of QC limits.

Mary Szustak

From: NYENVDATA@dec.ny.gov
Sent: Tuesday, October 28, 2025 3:19 PM
To: Mary Szustak
Subject: Successfully loaded EDD (20251028 1424.915150.NYSDEC_v5_MERGE.zip)
Attachments: 20251028 1424.915150.NYSDEC_v5_MERGE.Commit.zip

Data from '20251028 1424.915150.NYSDEC_v5_MERGE.zip' has been successfully loaded into the database.

Mary Szustak

From: NYENVDATA@dec.ny.gov
Sent: Tuesday, October 28, 2025 3:46 PM
To: Mary Szustak
Subject: Successfully loaded EDD (20251028 1434.C915150.NYSDEC_v5_MERGE.zip)
Attachments: 20251028 1434.C915150.NYSDEC_v5_MERGE.Commit.zip

Data from '20251028 1434.C915150.NYSDEC_v5_MERGE.zip' has been successfully loaded into the database.

Mary Szustak

From: NYENVDATA@dec.ny.gov
Sent: Tuesday, October 28, 2025 3:46 PM
To: Mary Szustak
Subject: Successfully loaded EDD (20251028 1446.C915150.NYSDEC_v5_MERGE.zip)
Attachments: 20251028 1446.C915150.NYSDEC_v5_MERGE.Commit.zip

Data from '20251028 1446.C915150.NYSDEC_v5_MERGE.zip' has been successfully loaded into the database.

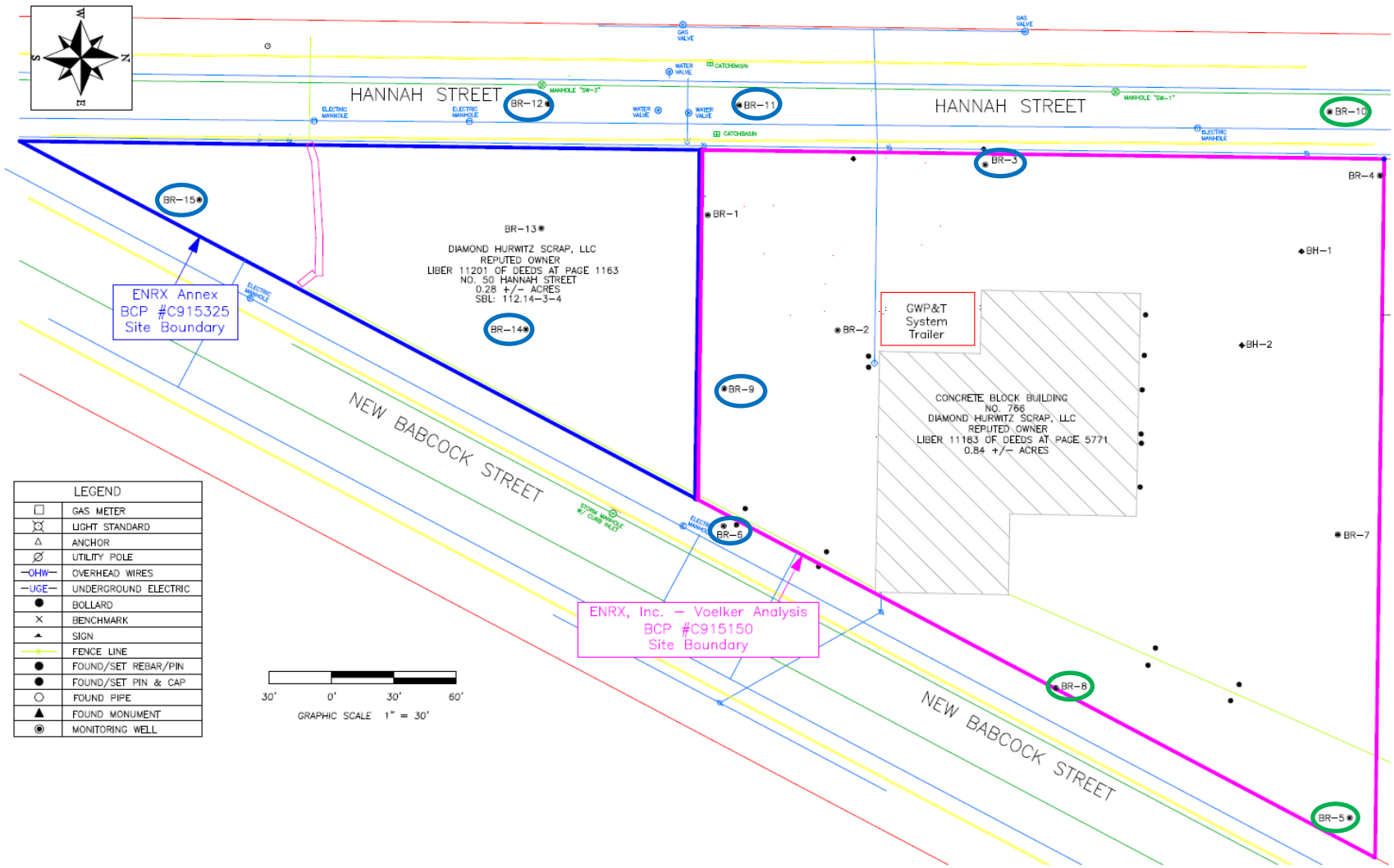
Mary Szustak

From: NYENVDATA@dec.ny.gov
Sent: Tuesday, October 28, 2025 3:46 PM
To: Mary Szustak
Subject: Successfully loaded EDD (20251028 1455.C915150.NYSDEC_v5_MERGE.zip)
Attachments: 20251028 1455.C915150.NYSDEC_v5_MERGE.Commit.zip

Data from '20251028 1455.C915150.NYSDEC_v5_MERGE.zip' has been successfully loaded into the database.

APPENDIX K

Monitoring Well Decommissioning Documents



KEY

- Monitoring Wells to be decommissioned
- Monitoring Wells to be repaired

ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance – Site Investigations – Facility Inspections

SITE MAP – WELL DECOMMISSIONING & REPAIRS
FORMER ENRX, INC. – VOELKER ANALYSIS SITE C915150
766 NEW BABCOCK STREET, BUFFALO, NEW YORK
ENRX ANNEX SITE C915325
50 HANNAH STREET, BUFFALO, NEW YORK

DRAWN BY: MS	SCALE: NOT TO SCALE	PROJECT: 00913
CHECKED BY: CMH	DATE: 09/2024	FIGURE P-1

FIGURE 3

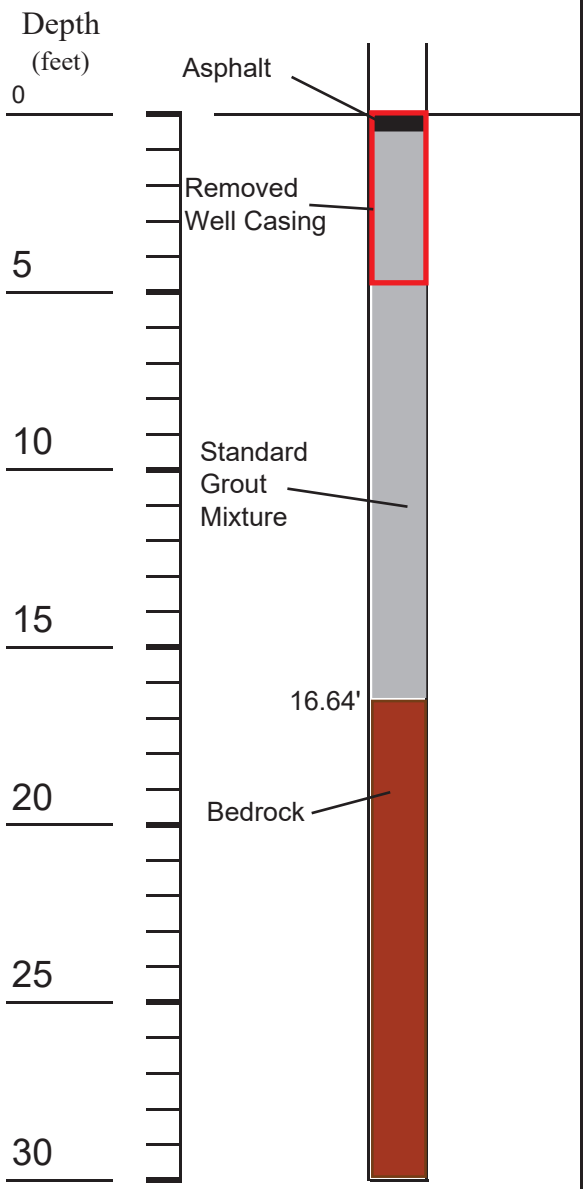
WELL DECOMMISSIONING RECORD

Site Name: Former ENRX Inc. - Voelker Analysis Site & ENRX Annex Site	Well I.D.: BR-5
Site Location: 766 New Babcock St. & 50 Hannah St., Buffalo, NY 14206	Driller: Jason Kuchey
Drilling Co.: Matrix Environmental Technologies, Inc.	Inspector: Collin Snyder (EA)
	Date: 10/31/2024

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (y/n)	N/A
Depth temporary casing installed	N/A
Casing type/dia. (in.)	N/A
Method of installing	N/A
CASING PULLING	
Method employed	Manual
Casing retrieved (feet)	5
Casing type/dia. (in)	4
CASING PERFORATING	
Equipment used	N/A
Number of perforations/foot	N/A
Size of perforations	N/A
Interval perforated	N/A
GROUTING	
Interval grouted (FBLS)	16.64
# of batches prepared	2
For each batch record:	
Quantity of water used (gal.)	10
Quantity of cement used (lbs.)	94
Cement type	Portland
Quantity of bentonite used (lbs.)	4
Quantity of calcium chloride used (lbs.)	N/A
Volume of grout prepared (gal.)	11
Volume of grout used (gal.)	20

WELL SCHEMATIC*



COMMENTS:
Well riser broken off approximately 5-feet below grade , tremie grouted in accordance
to CP-43 to 0.5 feet bg. Surface repaired with asphalt patch upon completion.
See attached well diagram log for well schematic information.

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 1

SITE NAME:

SITE ID.:	C915150
INSPECTOR:	Collin Snyder
DATE/TIME:	10/31/2024
WEll ID.:	BR-5

MONITORING WELL FIELD INSPECTION LOG
NYSDEC WELL DECOMMISSIONING PROGRAM

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: None

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	0.0 ppm Mini RAE 3000
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Flushmount Road Box
PROTECTIVE CASING MATERIAL TYPE:	Sched 40 PVC
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4-inch	

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL? N/A		
DID YOU REPLACE THE LOCK? N/A		
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	16.64-feet below grade
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	5.48-feet below grade
MEASURE WELL DIAMETER (Inches):	4-inch
WELL CASING MATERIAL:	PVC (40)
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	+/- 15-feet

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

See Site Map

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Well is located north of the former entrance to the Site along New Babcock Street, in the northeast corner of the parcel. Well will be patched with asphalt.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: MW # BR 5

DATE: 6/24/13

PROJECT: Monitoring Well Installation at
766 New Babcock Street, Buffalo, NY

PREPARED FOR: AFI Environmental

BORING LOCATION:

SN	0/6	6/12	12/18	18/24	N
1	8				
		11			22
			11		
				24	
2	50/1"				
3	30				
		50/1"			>50
4	5				
		15			
			100/3"		>115
		RUN	#1		
		RUN	#2		

LITH

DESCRIPTION AND CLASSIFICATION

Moist, dark gray, very gravelly (SILTY SAND) fill with 40 to 50% gravel, very fine to fine size sand, compact in place — 0.5

Moist, gray, very gravelly (SILTY-SAND) fill with 40 to 60% gravel with occasional red brick fragments and cobbles, very fine to coarse size sand, compact with occasional pockets of (SANDY-SILT) fill — 7.0

Limestone rock, gray to dark gray, fractured, wet — 7.5

Onondaga Limestone bedrock, gray, very hard, very thin to thinly bedded, 1" to 4" thick with numerous horizontal fractures, begin losing water below 9.0' BGS — 14.0

Onondaga Limestone bedrock, gray, very hard, thin to medium bedded, 4" to 8" thick — 17.5

Coring Completed at 17.5' BGS

REC: 1.3', 0.1', 0.4', 1.0'

Well

0.0
Cement-Bentonite Grout
4" PVC Riser Pipe
7.5
4" Open Rock Hole
17.5

Remarks

Sand and gravel fill to 0.5 foot over sand and gravel fill with occasional brick fragments and cobbles to 7.0 feet over fractured limestone rock to 7.5 feet over Onondaga Limestone bedrock to end of coring

CORE DATA

Run	Interval (ft)			Length (ft)	Rec (ft)	Rec %	RQD %
1	7.5	to	12.5	5.0	4.8	96	30
2	12.5	to	17.5	5.0	4.9	99	92

No Water at Completion

LOGGED BY: Dale M. Gramza / Senior Geologist

SHEET 1 OF 1

FIGURE 3

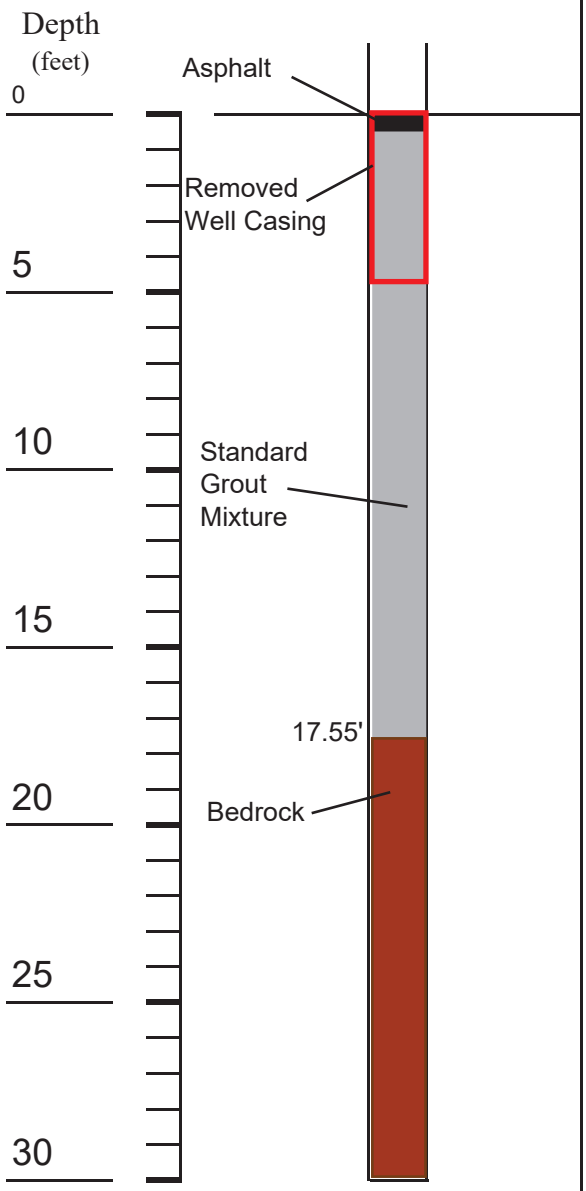
WELL DECOMMISSIONING RECORD

Site Name: Former ENRX Inc. - Voelker Analysis Site & ENRX Annex Site	Well I.D.: BR-8
Site Location: 766 New Babcock St. & 50 Hannah St., Buffalo, NY 14206	Driller: Jason Kuchey
Drilling Co.: Matrix Environmental Technologies, Inc.	Inspector: Collin Snyder (EA)
	Date: 10/31/2024

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (y/n)	N/A
Depth temporary casing installed	N/A
Casing type/dia. (in.)	N/A
Method of installing	N/A
CASING PULLING	
Method employed	Manual
Casing retrieved (feet)	5
Casing type/dia. (in)	4
CASING PERFORATING	
Equipment used	N/A
Number of perforations/foot	N/A
Size of perforations	N/A
Interval perforated	N/A
GROUTING	
Interval grouted (FBLS)	17.55
# of batches prepared	1.5
For each batch record:	
Quantity of water used (gal.)	10
Quantity of cement used (lbs.)	94
Cement type	Portland
Quantity of bentonite used (lbs.)	4
Quantity of calcium chloride used (lbs.)	N/A
Volume of grout prepared (gal.)	11
Volume of grout used (gal.)	16.5

WELL SCHEMATIC*



COMMENTS:

Well riser broken off approximately 5-feet foot below grade , tremie grouted in accordance to CP-43 to 0.5 feet bg. Surface repaired with asphalt patch upon completion.

See attached well diagram log for well schematic information.

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 1

SITE NAME:

SITE ID.: C915150
INSPECTOR: Collin Snyder
DATE/TIME: 10/31/2024
WEll ID.: BR-8

MONITORING WELL FIELD INSPECTION LOG
NYSDEC WELL DECOMMISSIONING PROGRAM

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: BR-8

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	0.2 ppm Mini RAE 3000
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Flushmount Road Box
PROTECTIVE CASING MATERIAL TYPE:	Sched 40 PVC
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4-inch	

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL? N/A		
DID YOU REPLACE THE LOCK? N/A		
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	17.55-feet below grade
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	7.16-feet below grade
MEASURE WELL DIAMETER (Inches):	4-inch
WELL CASING MATERIAL:	PVC (40)
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	+/- 15-feet

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

See Site Map

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

The well is located just south of the former entrance to the Site along New Babcock Street. Well will be patched with asphalt.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Monitoring Well Log
AFI Environmental

ID No. **BR-8**

Date	Project	Surface Elev.	Casing Elev.	Borehole Dia.	Well Dia.	Total Depth
August 7-12, 2014	A12B-ENRX BCP	598.8 ft	598.5 ft	8"	4"	17.75 ft

Drill Rig Type: Direct Push/HSA
Drilling Method: HSA/Air Hammer
Sampling Method: Macrocore with Acetate Sleeve
Field Screening: MiniRAE 3000 PID with 11.7eV Lamp
Site: Former ENRX, Inc. - Voelker Analysis Site
Logged By: Steven Leitten
Address: 766 New Babcock St., Buffalo, NY 14206
Drilling Company: Nature's Way

Sample Number	Depth (ft)	% Rec.	PID (ppm)	SAMPLE LITHOLOGY	COMMENTS	WELL COMPLETION DETAILS
BR-8: 0'-4'	0 - 4.0	80%	0.3	Black brown fill, Gravel, Brick, Ash, Silt, Moist	Easy drilling for first several feet	Road Box
BR-8: 4'-7.75'	4.0 - 7.75	50%	0.8	Brown sand, Little silt and gravel, Wet at 6.5 ft	Refusal at 7.75 ft	PVC piping was installed on top of bedrock
N/A	7.75 - 17.75	N/A	N/A	Limestone bedrock	Bedrock drilling with air hammer, Water produced at approximately 17.5 ft	Bedrock was encountered at 7.75 ft Open borehole from 7.75 ft - 17.75 ft

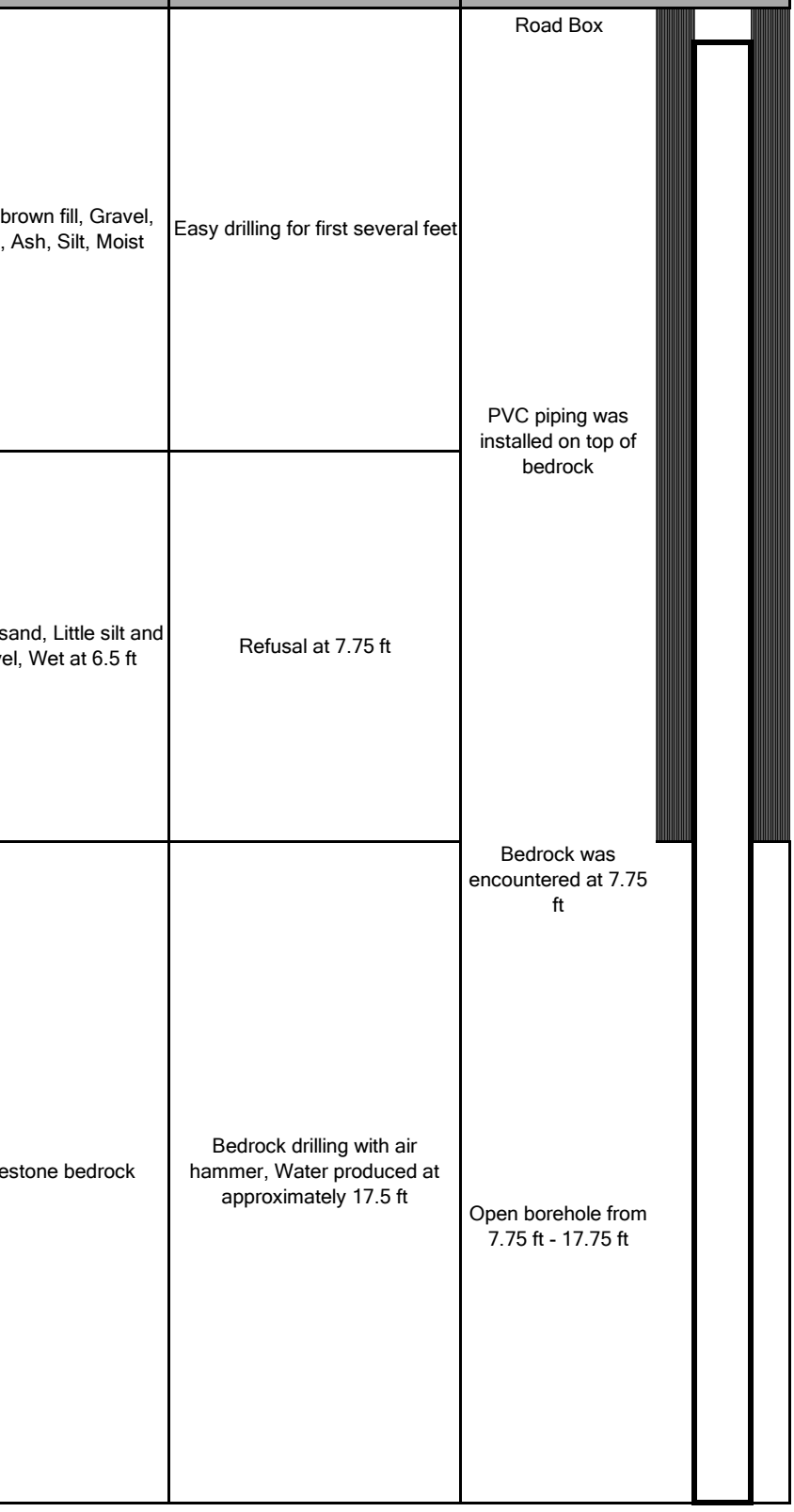


FIGURE 3

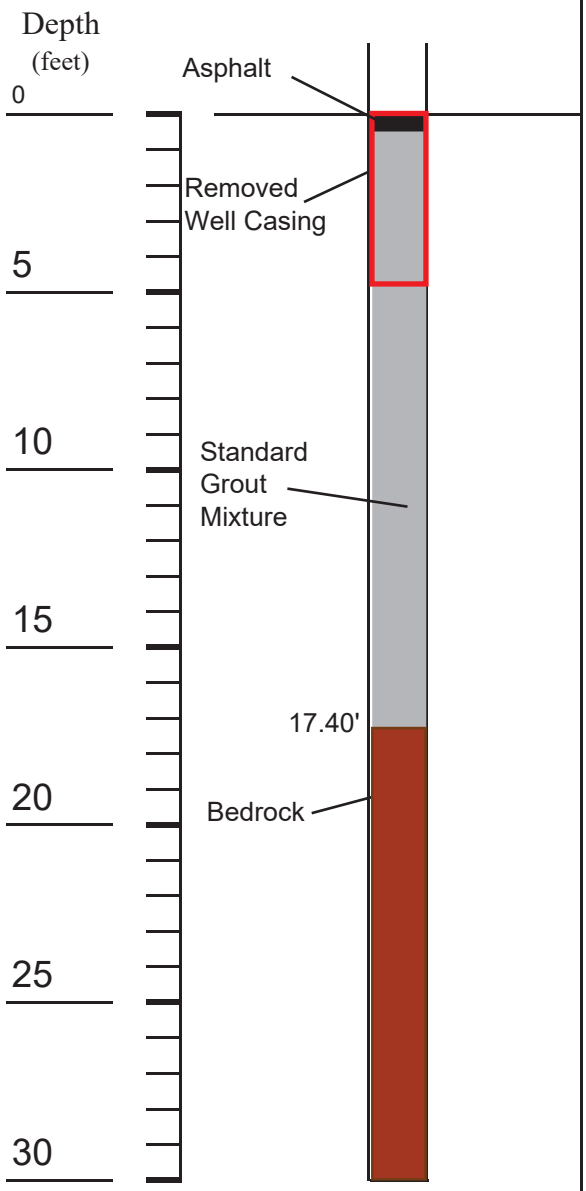
WELL DECOMMISSIONING RECORD

Site Name: Former ENRX Inc. - Voelker Analysis Site & ENRX Annex Site	Well I.D.: BR-10
Site Location: 766 New Babcock St. & 50 Hannah St., Buffalo, NY 14206	Driller: Jason Kuchey
Drilling Co.: Matrix Environmental Technologies, Inc.	Inspector: Collin Snyder (EA)
	Date: 10/31/2024

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (y/n)	N/A
Depth temporary casing installed	N/A
Casing type/dia. (in.)	N/A
Method of installing	N/A
CASING PULLING	
Method employed	Manual
Casing retrieved (feet)	5
Casing type/dia. (in)	4
CASING PERFORATING	
Equipment used	N/A
Number of perforations/foot	N/A
Size of perforations	N/A
Interval perforated	N/A
GROUTING	
Interval grouted (FBLS)	17.30
# of batches prepared	1.5
For each batch record:	
Quantity of water used (gal.)	10
Quantity of cement used (lbs.)	94
Cement type	Portland
Quantity of bentonite used (lbs.)	4
Quantity of calcium chloride used (lbs.)	N/A
Volume of grout prepared (gal.)	11
Volume of grout used (gal.)	16.5

WELL SCHEMATIC*



COMMENTS:
Well riser broken off approximately 5-feet below grade , tremie grouted in accordance
to CP-43 to 0.5 feet bg. Surface repaired with asphalt patch upon completion.
See attached well diagram log for well schematic information.

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 1

SITE NAME:

SITE ID.: C915150
INSPECTOR: Collin Snyder
DATE/TIME: 10/31/2024
WEll ID.: BR-10

MONITORING WELL FIELD INSPECTION LOG
NYSDEC WELL DECOMMISSIONING PROGRAM

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		X

HEADSPACE READING (ppm) AND INSTRUMENT USED	0.0 ppm Mini RAE 3000
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Flushmount Road Box
PROTECTIVE CASING MATERIAL TYPE:	Sched 40 PVC
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	4-inch

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		
DID YOU REPLACE THE LOCK?		
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	17.30-feet below grade
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	NO WATER
MEASURE WELL DIAMETER (Inches):	4-inch
WELL CASING MATERIAL:	PVC (40)
PHYSICAL CONDITION OF VISIBLE WELL CASING:	FAIR
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	None
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	+/-5-feet

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

The well is located in Hannah Street at the northern end. Well will be patched with asphalt.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

Scrap metal piles, Heavy machinery, vehicle traffic.

REMARKS:

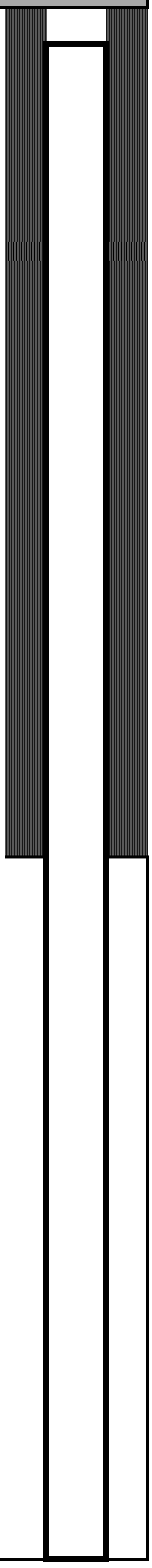
Monitoring Well Log
AFI Environmental

ID No. **BR-10**

Date	Project	Surface Elev.	Casing Elev.	Borehole Dia.	Well Dia.	Total Depth
August 7-11, 2014	A12B-ENRX BCP	600.1 ft	599.8 ft	8"	4"	18.0 ft

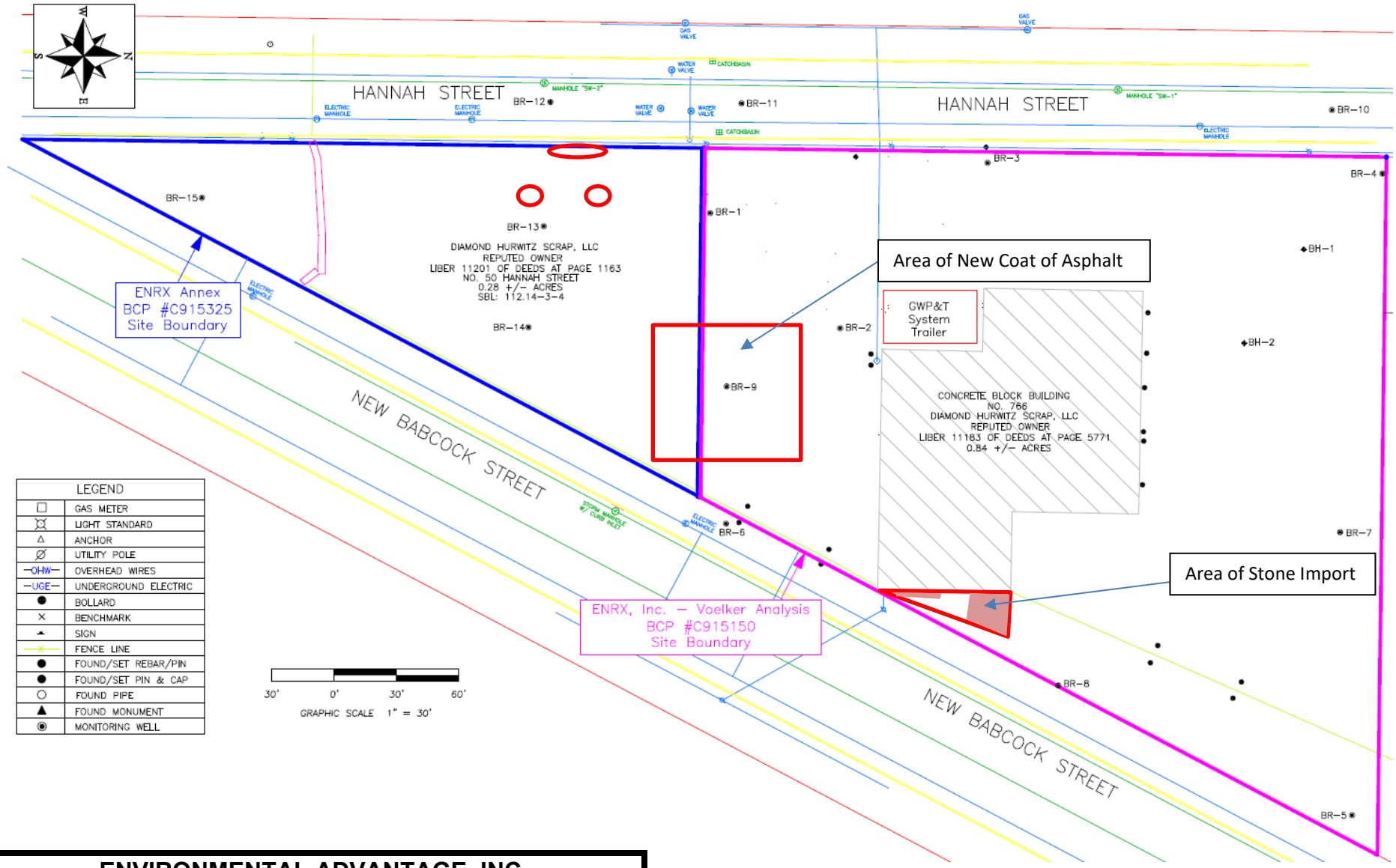
Drill Rig Type: Direct Push/HSA
Drilling Method: HSA/Air Hammer
Sampling Method: Macrocore with Acetate Sleeve
Field Screening: MiniRAE 3000 PID with 11.7eV Lamp
Site: Former ENRX, Inc. - Voelker Analysis Site
Logged By: Steven Leitten
Address: 766 New Babcock St., Buffalo, NY 14206
Drilling Company: Nature's Way

Sample Number	Depth (ft)	% Rec.	PID (ppm)	SAMPLE LITHOLOGY	COMMENTS
BR-10: 0'-4'	0 - 1.0	90%	0.5	Asphalt and sub-base	
	1.0 - 2.0			Black brown fill, Gravel, Brick, Ash, Silt, Moist	
	2.0 - 4.0			Red brown silt, Some clay, Trace gravel, Moist	
BR-10: 4'-6.75'	4.0 - 5.5	70%	0.3	Red brown silt, Some clay, Trace gravel, Moist	Lab sample, Matrix spike and matrix spike duplicate, Refusal at 6.75 ft
	5.5 - 6.75			Red brown silt, Some clay, Some medium gravel, Wet at 5.5 ft	
N/A	6.5 - 18.0	N/A	N/A	Limestone bedrock	Bedrock drilling with air hammer, Smooth drilling with little resistance at 16 ft



APPENDIX L

Cover Repair Documents



ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance – Site Investigations – Facility Inspections

ASPHALT REPAIR LOCATIONS
FORMER ENRX, INC. – VOELKER ANALYSIS SITE C915150
766 NEW BABCOCK STREET, BUFFALO, NEW YORK
ENRX ANNEX SITE C915325
50 HANNAH STREET, BUFFALO, NEW YORK

DRAWN BY: MS	SCALE: NOT TO SCALE	PROJECT: 00913
CHECKED BY: MS	DATE: 11/2024	FIGURE NO: Q-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e) and 6NYCRR Part 360.13. Use of this form is not a substitute for reading the applicable regulations and Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Commercial or Industrial Us

Have Ecological Resources been identified? no

Is this soil originating from the site? no

How many cubic yards of soil will be imported/reused? 50-100

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? yes

Does it contain less than 10%, by weight, material that passes a size 100 sieve? yes

Is this virgin material from a permitted mine or quarry? yes

Is this material recycled concrete or brick from a DEC registered processing facility? no

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Material is Virgin 2-inch Crushed Limestone Subbase material, supplied from a commercial source, County Line Stone Co. quarry. Applicable Sieve Analysis and Proctor are attached. Samples are not required for virgin stone as per DER-10.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Robinson Paving

Location where fill was obtained:

County Line Stone Co,. Inc, 4515 Crittenden Road, Akron, NY 14001

Identification of any state or local approvals as a fill source:

NYSDOT Approved Source 5-7R

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Sieve and Proctor for #2 Crushed Limestone and Virgin Source Letter for 5-7R

The information provided on this form is accurate and complete.

Mary Szusatk Digitally signed by Mary Szusatk Date: 2024.11.12 11:50:12 -05'00'

Signature

11/12/24

Date

Mary Szustak

Print Name

Environmental Advantage, Inc.

Firm

County Line STONE CO., INC.

4515 CRITTENDEN ROAD, AKRON, N.Y. 14001

Phone 716-542-5435 **Fax 716-542-5442**

ALL SIZES CRUSHED STONE BITUMINOUS CONCRETE AGRICULTURAL LIME

Material NYSDEC DER-10 Crusher Run 2" **Date** 11/11/2024

Sieve	% Passing	Specification
4"(100mm)		
3"(75mm)		
2 1/2"(63mm)		
2"(50mm)	100	100
1 1/2"(37.5mm)		
1"(25mm)	76	
3/4"(19mm)		
5/8"(16.0mm)		
1/2"(12.5mm)	50	
3/8"(9.5mm)		
5/16 "(8.0mm)		
1/4"(6.3mm)	38	25-60
#4(4.75mm)		
1/8"(3.2mm)		
#10(2.0mm)		
#16(1.18mm)		
#20(850um)		
#30(600um)		
#40(425um)	11	5-40
#50(300um)		
#80(180um)	9	
#100(150um)		
#200(75um)	7.0	
PAN		
TOTAL		

New York State Specifications

Size Designation	Screen Sizes											
	4"	3"	2 1/2"	2"	1 1/2"	1"	1/2"	1/4"	1/8"	No 40	No 80	No 200
Screenings							100	90-100				0-1.0
1B								100	90-100		0-15	0-1.0
1A							100	90-100	0-15			0-1.0
1ST							100	0-15				0-1.0
1						100	90-100	0-15				0-1.0
2					100	90-100	0-15					0-1.0
3A				100	90-100	0-15						0-0.7
3			100	90-100	35-70	0-15						0-0.7
4A		100	90-100		0-20							0-0.7
4	100	90-100		0-15								0-0.7
5	90-100	0-15										0-0.7
TYPE 1		100		90-100				30-65		5-40		0-10
TYPE 2				100				25-60		5-40		0-10
TYPE 3	100							30-75		5-40		0-10
TYPE 4				100				30-65		5-40		0-10

Comments:

Meet all requirements of NYSDOT Item No. 703-02

NYSDOT Source 5-7R

CME Associates, Inc.
2727 Broadway St #2
Buffalo, NY 14227

Material Test Report

Report ID: MAT:04-24-2679-01
Issue No: 1
This issue replaces all previous issues of this report

Client: Hueber Breuer Construction Co.
CC: Aaron Fancher, Al Urban, Douglas Heller, Fahim Panjshiri, Gary Ayers, J. Bonham, Joe Salvatore, John Minter, John Quick, Joyce Johnson, K Hostetter, Karen AE, Karen Richmond

Project: 17399 - WNY National Cemetery - Phase 1C

Location: Corfu, NY

This report and the results contained herein are the exclusive property of CME Associates, Inc. and shall only be reproduced in full when written consent is provided by CME Associates, Inc.

Submitted By: Christopher Paolini, PE, MPS, EXW, Technical Director
Date of Issue: 8/14/2024

Sample Details

Sample ID	04-24-2679-01
Date Sampled	7/19/2024
Source	County Line Stone, Akron
Material	2" Minus R.O.C.
Sampling Method	Sampled per ASTM D75
Location	CountyLine Stone Stockpile

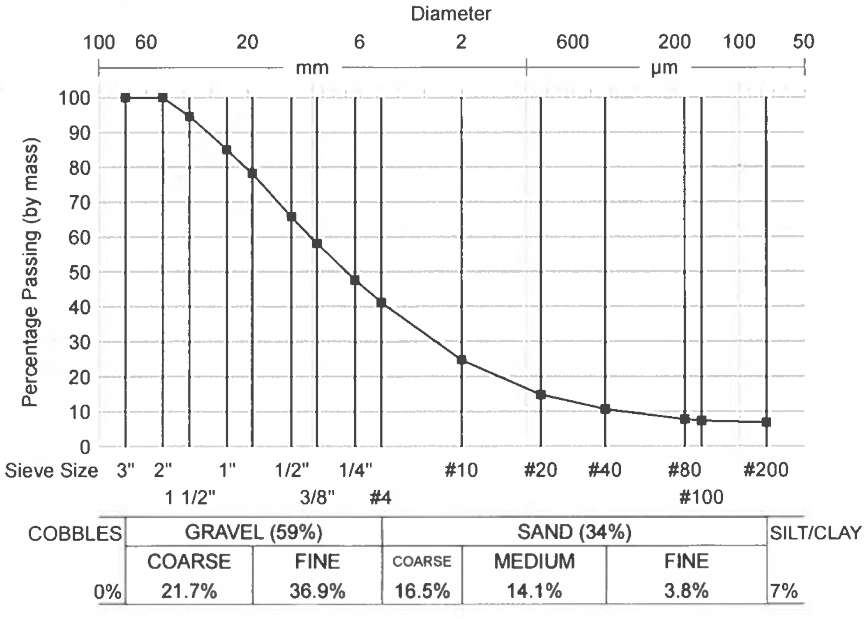
Other Test Results

Description	Method	Result	Limits
Cu	ASTM D2487	29.80	
Cc		1.98	
Procedure	ASTM C117	A	

Particle Size Distribution

ASTM C136

Drying By: None
Date Tested: 7/27/2024
Tested By: Austin Glasier



COBBLES	GRAVEL (59%)		SAND (34%)			SILT/CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	
0%	21.7%	36.9%	16.5%	14.1%	3.8%	7%

Sieve Size	% Passing	Limits
3in	100	
2in	100	
1½in	95	
1in	85	
¾in	78	
½in	66	
3/8in	58	
¼in	48	
No.4	41	
No.10	25	
No.20	15	
No.40	11	
No.80	8	
No.100	7	
No.200	6.9	

Comments

Sample Classification: Gray Well-Graded Gravel with Silt (GW-GM)
Aggregate Type: 2" Minus ROC Stone

© 2000-2024 QESTLab by SpectraQEST.com

CME Associates, Inc.
2727 Broadway St #2
Buffalo, NY 14227

Proctor Report

Report ID: PTR:04-24-2679-01
Issue No: 1
This issue replaces all previous issues of this report

Client: Hueber Breuer Construction Co. **CC:** Gary Ayers, John Quick, Karen Richmond

Project: 17399 - WNY National Cemetery - Phase 1C

Location: Corfu, NY

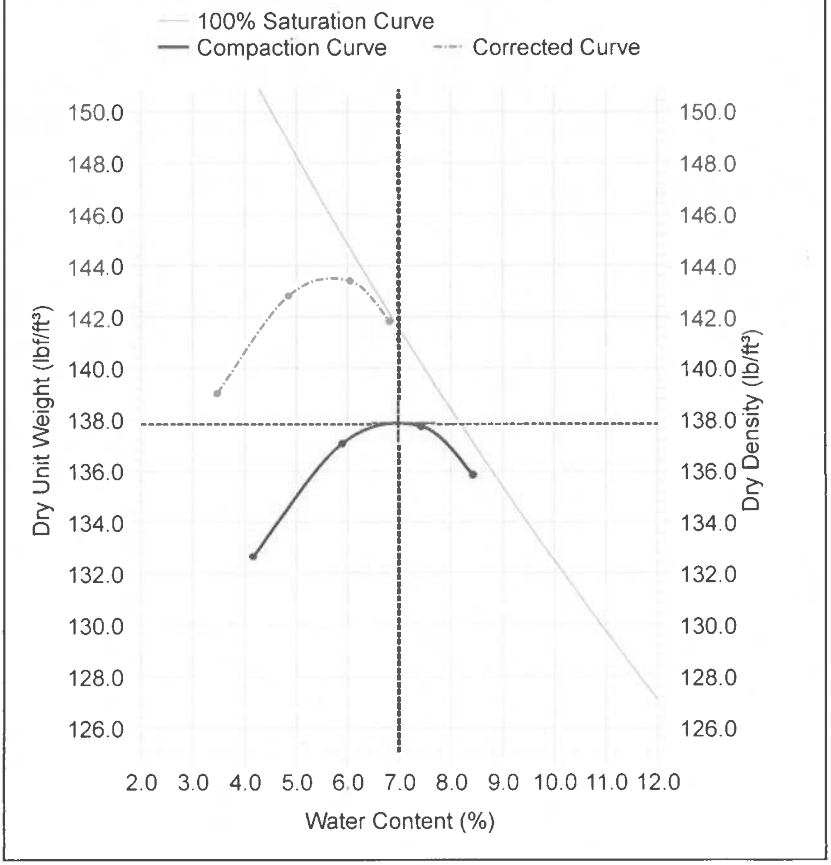
This report and the results contained herein are the exclusive property of CME Associates, Inc. and shall only be reproduced in full when written consent is provided by CME Associates, Inc.

Submitted By: Christopher Paolini, PE, MPS, EXW, Technical Director
Date of Issue: 8/14/2024

Sample Details

Sample ID: 04-24-2679-01 **Date Sampled:** 7/19/2024
Sampling Method: Sampled per ASTM D75
Source: County Line Stone, Akron
Material: 2" Minus R.O.C.
Specification:
Location: CountyLine Stone Stockpile

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D1557

Mod. Maximum Dry Unit Weight (lbf/ft³):	**137.9**
Mod. Optimum Water Content (%):	**7.0**
Retained on 3/4" Sieve (%):	22
Passing 3/4" Sieve (%):	78
Cumulative Retained on 3/8" Sieve (%):	42
Retained on 3/8" Sieve (%):	20
Passing 3/8" Sieve (%):	58
Cumulative Retained on No.4 Sieve (%):	59
Retained on No.4 Sieve (%):	17
Passing No.4 Sieve (%):	41
Method:	C
Preparation Method:	Dry
Rammer Type:	Automatic
Test Portion Specific Gravity:	2.70
Determined By:	Estimated
Tested By:	Austin Glasier
Date Tested:	7/27/2024

ASTM D4718

Corrected Maximum Dry Unit Weight (lbf/ft³):	**143.5**
Corrected Optimum Water Content (%):	**5.7**
Oversize Specific Gravity:	2.70
Oversize Particles (%):	22

Comments

Oversize Specific Gravity determined by Estimation.
Sample Classification: Gray Well-Graded Gravel with Silt (GW-GM)
Aggregate Type: 2" Minus ROC Stone

© 2000-2024 QESTLab by SpectraQEST.com