February 7, 2025

Ms. Marlen Salazar
New York State Department of Environmental Conservation
Division of Environmental Remediation
47-40 21st Street
Long Island City, NY, 11101

Re: Response to Comments
Former Getty Service Station No. 00564
NYSDEC BCP No. C224176
1103-1107 DeKalb Avenue
Periodic Review Report
(November 2023 – November 2024)

Dear Ms. Salazar:

Tyll Engineering and Consulting PC (TEC) and GZA GeoEnvironmental of New York (GZA) is pleased to provide this Response to Comments Letter for the above-referenced property (Site). This letter is in response to your comments provided in the New York State Department of Environmental Conservation (NYSDEC) comment letter, dated January 9, 2025. Please find the revised Periodic Review Report (PRR) enclosed.

1. Comment: "**Bookmarks:** Please provide bookmarks in the PDF for each major section (e.g., sections I – VII) to help with navigation."

   Completed.

2. Comment: "**Appendices:** Please include the title of the appendix on each appendix cover page."

   Completed.

3. Comment: **"II Site Overview:**

   a. **Site Location:** incorrectly states that the 7-story mixed-use building to the north of the Site (1080 Broadway) has tax lot number 4. The correct tax lot number is 7. Please revise.

   b. **Site Chronology:** describes chemical oxidant injections in Paragraph 5. For ease of reference, copy Figure 5a (chemical injection well locations) from the December 2019 FER to the PRR and make reference to it in this paragraph."

   Revised as requested.

4. Comment: "**III. Remedy Performance, Effectiveness & Protectiveness:**

   a. **SVE System Sampling:** make reference to Table 4 for SVE influent and effluent results. Also state present day SVE influent VOC concentrations during this reporting period as a range (i.e., 126.55 ug/m3 – 1970.00 ug/m3)

b. **SSDS:** Provide the name and model number of each SSDS fan if known. Also modify section VI. Operations & Maintenance Plan Compliance Report, A. Components of the O&M Plan, 2. Sub-Slab Depressurization System to include this information."

The requested information has been added. The name and model number of the SSDS fans are not known at this time. The Final Engineering Report (FER) states that the soil vapor extraction wells are equipped with a 1.5-horsepower (hp) EN454 Rotron Regenerative blower. However, the specifics of the SSDS blowers/fans are not provided in the FER, Site Management Plan (SMP), or prior PRRs. We determined that the SSDS fans, gauges, and alarms were installed in March 2020.

5. Comment: "**IV. IC/EC Plan Compliance Report:**

a. **A1. IC Requirements and Compliance, 3. Corrective Measures:** please note that investigation into Spill No. 2406683 is ongoing and the results of which will be summarized in the next reporting period.

b. **A2. EC Requirements and Compliance, 1. EC Controls, Composite Cover System:** make reference to Figure 2 containing the as-built of the composite cover system."

The Sections have been updated, as requested.

6. Comment: "**V. Monitoring Plan Compliance Report:**

a. **A. Components of the Monitoring Plan:** is missing mention of other components of the monitoring plan, including the annual inspection of the cover system and quarterly monitoring of components of the SVE system (i.e., blower, carbon drums, and plumbing)."

b. **B. Summary of Monitoring Completed During Reporting Period:**

i. Please explain why groundwater monitoring results for Q4 2023 and Q1 2024 are unavailable. Provide the data if available.

ii. In Paragraph 4, only include the dates of SVE sample collections within the PRR certifying period (i.e., November 2023 – November 2024)."

The above requested Sections have been revised. Groundwater samples were collected in January, June, and September 2024 during the reporting period. No groundwater sample was collected within the second quarter of the reporting period (March 2024 – May 2024) by the previous environmental consultant due to scheduling issues. As such, groundwater data was reported during three of the four quarterly groundwater monitoring events within the reporting period.

7. Comment: "VI. Operations & Maintenance Plan Compliance Report, 2. Monitoring Well Network System: provide the exact date of NYSDEC approval to discontinue monitoring of MW-1401 (i.e. the date of the 2022 – 2023 PRR approval on April 15, 2024)."

At this time, we do not have the correspondence and/or approval letter from the NYSDEC as the correspondence was conducted with a prior environmental consultant. According to the PRR, dated March 2024, in Section V.E., the NYSDEC has approved the discontinuation of sampling at MW-1401, however, has requested the installation of a new monitoring well north of MW-1402 in order to

confirm that the plume is being properly monitored. A new monitoring well (MW-1404) was installed on October 25, 2024, as requested by the NYSDEC and was sampled in December 2024.

8. Comment: "**Table 4 – SVE Vapor Analytical Results:**

   a. Key: This table is missing a key explaining what the various qualifiers represent (e.g. U, J, and D). Please provide one.

   b. Total VOCs: As was done for the influent results, provide a total count of PVOCs, CVOCs, and VOCs for the effluent column.

   c. Influent/Effluent Results: are the influent and effluent results switched? The effluent results are greater in magnitude than the influent results."

   Table 4 has been updated. There has been a reduction in VOCs between the influent and effluent samples in each sampling event, with the exception of the June 2024 SVE samples. Based upon the laboratory analytical results, CVOCs and total VOCs were at higher concentrations in the SVE effluent samples, higher than the influent samples. This was primarily due to the spike in concentrations of chloroform and Freon 11 in the June 2024 effluent sample. Chloroform and Freon 11 were also detected at higher concentrations in the September 2024 effluent sample. We recommend changing out the carbon in order to mitigate the concentrations of VOCs in effluent samples and prevent future breakthroughs.

9. Comment: "**Figure 2:** Please arrange the figures in numerical order for ease of reference, i.e. there is no need to distinguish between GZA figures and AMC Engineering figures."

   Updated.

10. Comment: "**Quarterly Groundwater Sampling:** The NYSDEC requests that quarterly groundwater sampling results be submitted quarterly to the department upon receipt and validation of the data as well as a brief cover letter summarizing the data for record-keeping beginning with Q4 2024's groundwater data."

    We will submit quarterly groundwater data and associated cover letter for Q4 2024's groundwater data. In addition, quarterly groundwater sampling results, in the form of a memo, will be provided to the NYSDEC on a quarterly basis.

11. Comment: "**Appendix A & Appendix E:** The first two pages of Appendix A and Appendix E are identical. Their content is very similar, i.e. they're both quarterly site inspection summaries. It may make more sense to simply combine the two appendices to avoid redundancy. "

    The Appendices have been updated to include all inspection forms in Appendix A.

Should you have any questions about our proposal, please contact Karen Tyll at (631) 629-5373 or karen@tyllengineering.com, Victoria Whelan at (631) 793-8821 or Victoria.Whelan@gza.com, or Mark Hutson at (646) 929-8955 or Mark.Hutson@gza.com.

Very truly yours,
TYLL ENGINEERING AND CONSULTING, PC

Karen G. Tyll, P.E.
President

GZA GEOENVIRONMENTAL OF NEW YORK

Mark Hutson, P.G.
Senior Project Manager

Victoria Whelan, P.G.
Vice President

Brownfield Cleanup Program

Periodic Review Report

Reporting Period: November 2023 to November 2024

Former Getty Service Station No. 00564

1103-1107 Dekalb Avenue

Brooklyn, New York 11221

Site No.: C224176

Prepared for

ABC NY
45 North Station Plaza – Suite 315
Great Neck, New York 11021

Submitted to:

New York State Department of Environmental Conservation

Prepared by

Tyll Engineering and Consulting PC. & GZA GeoEnvironmental of New York

December 2024

Revised February 2025

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GRAPHS

FIGURES

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APPENDICES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation
625 Broadway, 11th Floor, Albany, NY 12233-7020
P: (518)402-9543 | F: (518)402-9547
www.dec.ny.gov

10/8/2024

Moris Yeroshalmi
1107D LLC
45 N. Station Plaza, Suite 315
Great Neck, NY 11021
Moris@abcNY.com

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: Former Getty Service Station No. 00564
Site No.: C224176
Site Address: 1103-1107 DEKALB AVENUE
Brooklyn, NY 11221

Dear Moris Yeroshalmi:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site-specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **December 15, 2024**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. The Engineering Controls (ECs) portion of the form (Box 7) must be signed by a Professional Engineer (PE). If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

All site-related documents and data, including the PRR, must be submitted in electronic format to the Department of Environmental Conservation. The required format for documents is an Adobe PDF file with optical character recognition and no password protection. Data must be submitted as an electronic data deliverable (EDD) according to the instructions on the following webpage:

https://www.dec.ny.gov/chemical/62440.html

Documents may be submitted to the project manager either through electronic mail or by using the Department's file transfer service at the following webpage:

https://fts.dec.state.ny.us/fts/

The Department will not approve the PRR unless all documents and data generated in support of the PRR have been submitted using the required formats and protocols.

You may contact Marlen Salazar, the Project Manager, at 718-482-7129 or marlen.salazar@dec.ny.gov with any questions or concerns about the site. Please notify the project manager before conducting inspections or field work. You may also write to the project manager at the following address:

New York State Department of Environmental Conservation
One Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

ec: w/ enclosures

ec: w/ enclosures
Marlen Salazar, Project Manager
Cris-Sandra Maycock, Chief, Region 2 Section A
Jane O'Connell, Hazardous Waste Remediation Supervisor, Region 2
Tyll Engineering and Consulting PC - Karen G. Tyll, P.E. - karen@tyllengineering.com
GZA - Victoria Whelan, CPG - victoria.whelan@gza.com
GZA - Mark Hutson - Mark.Hutson@gza.com

The following parcel owner did not receive an ec:
1107D LLC - Parcel Owner

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7**):**

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.

- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

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

Site Details **Box 1**

Site No. C224176

Site Name Former Getty Service Station No. 00564

Site Address: 1103-1107 DEKALB AVENUE Zip Code: 11221
City/Town: Brooklyn
County: Kings
Site Acreage: 0.218

Reporting Period: November 15, 2023 to November 15, 2024

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

Box 2

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

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

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

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

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. C224176 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
1600-28	1107D LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

All ECs must be maintained as specified in the SMP;
. The use of Groundwater is prohibited without necessary treatment as determined by NYSDOH or NYCDOH;
. The potential for soil vapor intrusion must be assessed for any buildings developed on the site;
. The Site shall not be used for Residential (single family housing) purposes
. Quarterly monitoring of groundwater

Box 4

Description of Engineering Controls

Parcel	Engineering Control
1600-28	Groundwater Treatment System Air Sparging/Soil Vapor Extraction Monitoring Wells Vapor Mitigation Cover System

- Additional groundwater treatment as needed
- Soil Vapor extraction System
- Cover system consisting of the redevelopment 14-inch thick concrete cellar slab and 8-inch slab on the first floor
- Sub-slab Depressurization System Piping (active)

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. C224176

Box 6

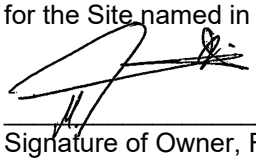
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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 Moris Yeroshalmy (print name) at 45n stattion plz suite 315 Great Neck NY 11021 (print business address)

am certifying as remedial Party (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 — Date: 12/5/2024

EC CERTIFICATIONS

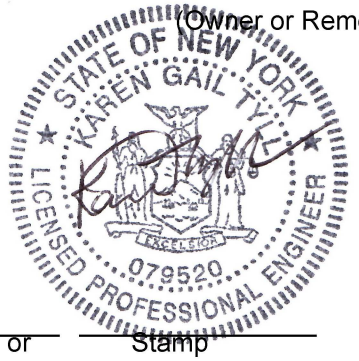
Box 7

Professional Engineer Signature

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

I Karen Tyll, PE (print name) at Tyll Engineering and Consulting PC, 169 Commack Rd, Suite H173, Commack, NY 11725 (print business address),

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



Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date
		12/13/2024

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
   A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
   B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
      1. progress made during the reporting period toward meeting the remedial objectives for the site
      2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
   C. Compliance
      1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
      2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
   D. Recommendations
      1. recommend whether any changes to the SMP are needed
      2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
      3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)
   A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
   B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
   A. IC/EC Requirements and Compliance
      1. Describe each control, its objective, and how performance of the control is evaluated.
      2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
      3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
      4. Conclusions and recommendations for changes.
   B. IC/EC Certification
      1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)
   A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
   B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
   C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
   D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
   E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
   A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
   B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
   C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated

the ability of each component of the remedy subject to O&M requirements to perform as designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
   1. whether all requirements of each plan were met during the reporting period
   2. any requirements not met
   3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals
   1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
   2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.

I. EXECUTIVE SUMMARY

Tyll Engineering and Consulting PC (TEC) and GZA GeoEnvironmental of New York (GZA) have prepared this Periodic Review Report (PRR) for the reporting period of November 2023 to November 2024 (reporting period), for the property located at 1103-1107 DeKalb Avenue in Brooklyn, New York 11221 under the New York State (NYS) Brownfield Cleanup Program (BCP) administered by the New York State Department of Environmental Conservation (NYSDEC). The Site was remediated in accordance with the Brownfield Cleanup Agreement (BCA) #C224176-05-13.

Pre-injection groundwater sampling (aka baseline sampling) from three (3) onsite monitoring wells was completed on August 17, 2016, to determine the total VOC concentrations prior to treatment. Results concluded that several petroleum related VOCs were detected above their respective AWQS in all three monitoring wells. Total BTEX concentrations ranged from 450 µg/L (MW1401) to 4,279 µg/L (MW1402).

The first round of chemical injections (pre-excavation) was performed in September 2016. A second round of injections (post-excavation) was performed in May 2017. During excavation activities, two of the onsite monitoring wells (MW1401 and MW1403) were destroyed. They were replaced/reinstalled in November 2017. As part of the reinstallation, MW1401 was relocated to a position south of MW1403, at the NYSDEC's request.

Based on the total VOC data demonstrating acceptable reduction for VOCs and given that groundwater is at 42 ft below grade surface, the DEC approved the abandonment of MW-1401. In addition, groundwater samples were not collected from MW-1401 during the reporting period of this Periodic Review Report. The DEC also requested the installation of an additional monitoring well (MW-1404) north of MW-1402 on-site at an equal distance as between MW-1402 and MW-1403 to confirm that the plume is being properly monitored (see **Figure 5**). As requested, groundwater monitoring well MW-1404 was installed to the north of MW-1402 on October 25, 2024. Groundwater monitoring well MW-1404 will be sampled in December 2024 and results will be presented to the NYSDEC and included in the next Periodic Review Report.

The quarterly groundwater sampling program began in March 2018. During this reporting period (11/2023 to 11/2024), the groundwater VOC concentrations in MW 1402 and MW1403 continue to show an overall declining trend. The groundwater total VOC concentration in MW1402, which has historically showed the most significant concentrations of contamination, has decreased during this period from 2,066.70 µg/L to 408.15 µg/L throughout this monitoring period.

The soil vapor extraction (SVE) system was started on December 11, 2017. Initial concentrations in the influent air stream reported a total PVOC concentration of 162,139.11 µg/m3, a total CVOC concentration of 3,592.66 µg/m^3 and a total VOC concentration of 165,731.70. A significant and steady decrease of total VOC concentrations have continued over time. The current results demonstrate a 98.81% reduction in total VOCs since December 2017 (Total VOCs concentrations in September 2024 – 1970.00 µg/m^3.

As the remedy was being implemented, it was determined that a Track 2 cleanup could not be achieved. On May 15, 2019, the NYSDEC issued an Explanation of Significant Difference (ESD) to document the changes to the selected remedy (Track 2) to achieve a Track 4 restricted-residential remedy. The changes included:

- Installation and maintenance of a site cover system to prevent exposure to remaining contaminated soil;
- Installation of a sub-slab depressurization system (SSDS) piping beneath the building slab to mitigate against soil vapor intrusion into the on-site building. The SSDS would be activated, if necessary, pending the results of indoor air sampling performed at the site following the completion of system installation, or upon determination that the SVE system is no longer needed to remediate remaining VOCs in soil above the water table. Provisions for activating the SSDS are documented in the Site Management Plan.

During this reporting period, it was determined that the three (3) SSDS effluent pipes in an outdoor roof area that are outfitted with SSDS fans and supplied with power. Review of documentation by the NYSDEC found an indoor air monitoring report completed by EBC dated 2021 showing that effluent testing and indoor air testing was completed on the system during a downtime event of the SVE blower. Following this report, EBC recommended to the NYSDEC that the system be turned off and only turned on in the future when the SVE system was taken out of commission after allowing soil vapors to reach asymptotic concentrations in compliance with remedial guidelines. It appears that after the repair of the SVE blower in 2021, the SSDS was unintentionally left running by EBC and has been running to date.

After discussion with the NYSDEC (after discovery), it was decided that the SSDS will be left in operation, and an investigation into the efficiency of the SSDS system in depressurizing the soil vapor below the slab of the building will be performed. Based on the (future) results of the SSDS investigation and pre-carbon SVE system soil vapor data, the NYSDEC may grant permission to turn off the SVE and leave the SSDS system operating as the sole method of vapor mitigation during the next reporting period.

II. SITE OVERVIEW

A. Site Location

The Site is located at 1103-1107 DeKalb Avenue in the Borough of Brooklyn (Kings County), New York (see **Figure 1** - Location Map), and is identified as Section 1900 Block 1600 and Lot 28 on the New York City Tax Map. The Site an approximately 0.218-acre area located on the northeast corner of DeKalb Avenue and Malcolm X Boulevard. The Site is bounded by a 7-story mixed use building (Block 1600, Lot 7 – 1080 Broadway) to the north, a 2-story mixed use apartment building with a first floor store (Block 1600, Lot 10 – 1086 Broadway) and a 3-story mixed-use apartment building with a first floor store (Block 1600, Lot 27 – 1009 DeKalb Avenue) to the east, DeKalb Avenue to the south, and Malcolm X Boulevard to the west. The Site is now developed with an 8-story mixed use building. The building has a partial below grade (11 ft) basement level with storage, mechanical rooms, and retail/commercial space.

B. Site Chronology

The Remedial Action for the Site was performed in accordance with the remedy selected by the NYSDEC in the Interim Remedial Measures Work Plan dated March 2012 (revised June 2012) and Remedial Action Work Plan dated August 2014. The selected remedy achieved a Track 4 Cleanup and included the following items:

- Removal of four (4) 550-gallon underground storage tanks (USTs) and associated petroleum contaminated soil from the former UST area in the south-west area of the Site;
- Excavation and off-Site disposal of soil / fill as necessary to construct the basement levels and foundation of the new buildings; screening for indications of contamination (by visual means, odor, and monitoring with PID) of all excavated soil during any intrusive Site work;
- Injection of a chemical oxidant solution to address petroleum VOCs in groundwater and residual petroleum VOC contamination in soil at and below the water table;
- Installation of three (3) monitoring wells and the collection of post-injection groundwater samples to evaluate the performance of the remedy with respect to attainment of groundwater standards;
- Installation of a soil vapor extraction (SVE) system and sub slab depressurization system (SSDS) piping on the Site; and
- Construction of a composite cover system consisting of the concrete building slabs and concrete and / or asphalt sidewalks and parking areas;

The SVE system consists of two (2), 2-inch diameter soil vapor extraction wells:

1. VE-1 installed within the former tank field area source area, immediately above the groundwater interface (approximately 46 feet below grade); and

2. VE-2 (identified as MW1401) installed within the sidewalk on Malcolm X Boulevard in the vicinity of the southern petroleum hotspot;

Extraction well VE-1 consists of 20-feet of 0.010 screened section set immediately above the groundwater table, and riser pipe that extends to the new building's cellar floor. Extraction well VE-2 (MW1401) consists of 25-feet of 0.010 screened section set to approximately 55ft below sidewalk grade. No. 00 morie gravel pack was placed to approximately 5 feet above each well

screen, followed by a hydrated bentonite seal. The SVE wells are connected, via 2-inch diameter schedule 40 PVC pipe, to a 1.5-hp EN454 Rotron regenerative blower with a particulate filter and vapor trap (knock out drum) located in the cellar of the new building. Soil vapor removed from the extraction wells by the blower passes through two (2) vapor-phase granular activated carbon vessels prior to discharge at the roof. The SVE system was started on December 11, 2017. On March 9, 2022, the SVE blower was inspected and was found to be inoperable. The blower was brought for servicing but was unable to be repaired. A new blower was installed in August 2022. The blower was operating as intended during the September 2022 inspection.

Analysis of influent and effluent air sample procured during the January 9, 2023 site inspection showed that carbon breakthrough had occurred within the SVE system. The carbon drums associated with the system were last replaced in March 2023.

In-situ chemical oxidation (ISCO) was implemented to remediate dissolved phase VOCs in groundwater. A chemical oxidant, sodium persulfate, was injected into the subsurface via 10 injection wells located in an approximately 3,600-square foot area where gasoline-related compounds were at elevated concentrations in groundwater, including within the former UST tank field, the former dispenser island, and the gasoline UST grave. Location of chemical injection wells and injection radius are shown on **Figure 5**. Chemical oxidant injections performed at the Site consisted of injecting a 10 to 30% solution of sodium persulfate activated with chelated iron into the ten permanent injection wells. No chemical oxidant injections were performed during the reporting period of this Periodic Review Report.

The SSDS on site consists of three (3) separate loops comprised of 4" slotted PVC below the slab with 4" solid PVC risers above the roofline completed with electric blowers for vapor removal. Review of documentation by the NYSDEC found an indoor air monitoring report completed by EBC dated 2021 showing that effluent testing and indoor air testing was completed on the system during a downtime event of the SVE blower. Following this report, EBC recommended to the NYSDEC that the system be turned off and only turned on in the future when the SVE system was taken out of commission after allowing soil vapors to reach asymptotic concentrations in compliance with remedial guidelines. It appears that after the repair of the SVE blower in 2021, the SSDS was left in operation and has been running to date.

III. REMEDY PERFORMANCE, EFFECTIVENESS & PROTECTIVENESS

Remedial Action at the Site performed previously under Remedial Action Work Plan, included the following:

- removal of four (4) 550-gallon USTs;
- removal of historic fill and petroleum contaminated soil from around three UST areas;
- injection of chemical oxidants though 1-inch PVC injection wells;
- installation of an SVE system;
- installation SSDS piping; and
- installation of a site cover system;

No chemical oxidant injections were performed during the reporting period of this Periodic Review Report.

Groundwater

Petroleum-related VOCs (PVOCs) only include compounds associated with gasoline contamination. Total VOCs include all compounds identified in the EPA Method 8260 List. The highest concentrations of PVOCs and total VOCs in groundwater were reported in down-gradient monitoring well MW1402.

The analytical results have been plotted on graphs to show the change of contaminant levels over time, as shown in **Graphs 1-3** (representing MW1401, MW1402, and MW1403, respectively).

MW1401

Monitoring wells MW1401, MW1402, and MW1403 were installed on the sidewalk along Malcolm X Boulevard, immediately downgradient of the former petroleum source areas.

The total VOC concentration has decreased from 239.74 µg/L in December 2017 to 8.20 µg/L in September 2023.

The analytes with the greatest concentrations consisted of 1,2,4-trimethylbenzene (43 µg/L in December 2017), chloroform (40 µg/L in August 2020), ethylbenzene (27 µg/L in September 2018), and n-Propylbenzene (50 µg/L in December 2017). The concentration of each of these compounds has since been reduced to compliant conditions outlined in TOGS 1.1.1 WQ/GA Table 1.

One compound (Trichloroethene - 6 µg/L) remains above its applicable Standards and Guidance Values (SGVs) of 5 µg/L in September 2023, but has shown to be steadily declining since the start of the remedial process.

Based on the VOC data demonstrating asymptotic reduction for VOCs and given that groundwater is at 42 ft below grade surface, the DEC approved the abandonment of MW-1401 and groundwater samples were not collected from MW-1401 during the reporting period of this Periodic Review Report. However, since MW-1401 also acts as a SVE extraction well, it will not be abandoned

until the SVE system is shut down. The DEC also requested the installation of an additional monitoring well (MW-1404) north of MW-1402 on site (see below).

MW1402

The total VOC concentration started at 8,978 µg/L in August 2016 and has decreased to 408.15 µg/L in September 2024.

The analytes with the greatest concentrations consisted of 1,2,4-trimethylbenzene (2900 µg/L in August 2016), 1,3,5-trimethylbenzene (460 µg/L in August 2016), ethylbenzene (1700 µg/L in September 2018), m&p-Xylenes (2500 µg/L in August 2016), and naphthalene (540 µg/L in August 2016). Each of these compounds has been shown to have declined since the start of the remedial process.

MW1403

Although the total VOC concentration initially increased from 735.70 µg/L in August 2016 to 2,220 µg/L in November 2016, the total VOC concentration has decreased to 4.95 µg/L in September 2024.

The analytes with the greatest concentrations consisted of 1,2,4-trimethylbenzene (240 µg/L in November 2016), m&p-Xylenes (960 µg/L in November 2016), and o-Xylene (350 µg/L) in November 2016). Each of these compounds has been shown to have declined since the start of the remedial process.

MW-1404

The NYSDEC requested the installation of a new monitoring well north of MW-1402 at an equal distance as between MW-1402 and MW-1403 to confirm that the plume is being properly monitored. As requested, groundwater monitoring well MW-1404 was installed to the north of MW1402 on October 25, 2024. Groundwater monitoring well MW-1404 will be sampled in December 2024 and results will be presented in the next Periodic Review Report.

SVE System

The SVE system consists of two (2) 2-inch diameter soil vapor extraction wells:

1. VE-1 installed within the former tank field area source area, immediately above the groundwater interface (approximately 46 feet below grade); and
2. VE-2 (identified as MW1401) installed within the sidewalk on Malcolm X Boulevard in the vicinity of the southern, petroleum hotspot;

Extraction well VE-1 consists of 20-feet of 0.010 screened section set immediately above the groundwater table, and riser pipe that extends to the new building's cellar floor. Extraction well VE-2 (MW1401) consists of 25-feet of 0.010 screened section set to approximately 55ft below sidewalk grade. No. 00 morie gravel pack was placed to approximately 5 feet above each well screen, followed by a hydrated bentonite seal. The SVE wells are connected, via 2-inch diameter schedule 40 PVC pipe, to a 1.5-hp EN454 Rotron regenerative blower with a particulate filter and vapor trap located in the cellar of the new building. Soil vapor removed from the extraction wells by the blower passes through two (2) vapor-phase granular activated carbon vessels prior to discharge at the roof. The SVE system was started on December 11, 2017 and continues to operate.

SVE System Sampling

In accordance with the approved Site Management Plan (SMP), the influent and effluent (aka pre-carbon and post-carbon) streams of the SVE system require quarterly sampling. The SVE system was started on December 11, 2017. Initial concentrations in the influent air stream reported a total PVOC concentration of 162,139.11 micrograms per cubic meter (µg/m^3), a total CVOC concentration of 3,592.66 µg/m^3 and a total VOC concentration of 165,731.77 µg/m3. A significant and steady decrease of total VOC concentrations have continued over time. The January, June, and September 2024 influent analytical results reported total PVOC concentrations ranging from 3.56 µg/m3 – 8.00 ug/m^3, total CVOC concentrations ranging from 53.19 µg/m^3 – 2,539.80 µg/m^3, and total VOC concentrations ranging from 126.55 µg/m^3- 2,948.76 µg/m^3.[1] The current results demonstrate a 98.81% reduction in total VOCs since December 2017. The January, June, and September 2024 SVE influent and effluent analytical results are summarized in **Table 4**. The layout of the SVE system is shown in **Figure 3**.

Sub Slab Depressurization System

The Decision Document required that all future buildings constructed on the Site be evaluated for the potential for soil vapor intrusion (SVI). The developer installed the sub-slab depressurization system (SSDS) piping beneath the new building cellar slab in the event that an SSDS system is required. The horizontal sub slab piping consists of fabric wrapped, perforated schedule 40, 4-inch PVC pipe connected to a 6-inch steel riser pipe. Three (3) SSDS loops were installed within porous granular material. The loops provide the correct coverage in accordance with USEPA SSDS design specifications, which recommend a separate vent loop for every 4,000 ft² of slab area. The loops are each outfitted with a collection point and riser pipe which extends to the roof. Each SSDS

[1] Soil Vapor Extraction (SVE) influent and effluent air samples were not collected during the second quarter (March 2024 – May 2024) by the former consultant. As such, data is not available for the second quarter of 2024.

includes an SSDS fan to comply with the required vacuum pressure necessary for each loop. The three (3) legs are inspected quarterly to make sure that there is vacuum maintained within the SSDS piping. Vacuum was observed at the three loop gauges during each inspection. Review of documentation by the NYSDEC found an indoor air monitoring report completed by EBC dated 2021 showing that effluent testing and indoor air testing was completed on the system during a downtime event of the SVE blower. As previously mentioned, after the repair of the SVE blower in 2021, the SSDS was left in operation by EBC and has been running to date.

After discussion with the NYSDEC, it was decided that the SSDS will be left in operation, and a SVIinvestigation into the efficiency of the SSDS system in depressurizing the soil vapor under the slab of the building will be performed. Based on the results of the SSDS investigation and pre-carbon SVE system soil vapor data, the NYSDEC may grant permission to turn off the SVE and leave the SSDS system as the sole form of vapor mitigation during the next monitoring period.

IV. IC / EC PLAN COMPLIANCE REPORT

A1. IC Requirements and Compliance

1. IC Controls

A series of Institutional Controls (ICs), required under the Site Management Plan, were placed on the property in the form of an Environmental Easement which was recorded with the NYC Department of Finance, Office of the City Register (NYSDOF-OCR). The recorded ICs are as follows:

- implement, maintain and monitor Engineering Control systems;
- prevent future exposure to residual contamination by controlling disturbances of the subsurface contamination; and
- limit the use and development of the Site to restricted residential uses only.

Adherence to these Institutional Controls on the Site (Controlled Property) is required under the Environmental Easement and will be implemented under the Site Management Plan. These Institutional Controls are:

- Compliance with the Environmental Easement by the Grantor and the Grantor's successors and assigns with all elements of the SMP;
- All Engineering Controls must be operated and maintained as specified in the SMP;
- A composite cover system consisting of concrete covered sidewalks, and concrete building slabs must be inspected, certified, and maintained as required in the SMP;
- A soil vapor mitigation system consisting of a soil vapor extraction system must be inspected, certified, operated, and maintained as required in the SMP;
- Groundwater treatment consisting of a series of injection and monitoring wells must be inspected, certified, operated, and maintained as required in the SMP;
- All Engineering Controls on the Controlled Property must be inspected and certified at a frequency and in a manner defined in the SMP;

- Groundwater, soil vapor, and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to Site Management for the Controlled Property must be reported at the frequency and in a manner defined in the SMP;
- On-Site environmental monitoring devices, including but not limited to, groundwater monitoring wells and soil vapor probes, must be protected and replaced as necessary to ensure the devices function in the manner specified in the SMP; and
- Engineering Controls may not be discontinued without an amendment or the extinguishment of this Environmental Easement.

Site restrictions include:

The property may be used for: restricted-residential, commercial, and industrial uses. The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the New York City Department of Health 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.

- Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
- All ECs must be operated and maintained as specified in this SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP.
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this 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 Easement.
- Vegetable gardens and farming on the Site are prohibited.

2. Status of each IC

An inquiry was made with the NYCDOF-OCR (Office of the City Registrar) to confirm that the Environmental Easement, as described above, remains in place and has not been changed, revised, or modified. It was confirmed that the Easement is recorded in the NYCDOF database via ACRIS.

3. Corrective Measures

No deficiencies in the ICs were noted for the current reporting period; therefore, no corrective measures were required. However, a spill (NYSDEC Spill No. 24-06683) was reported at the Site on October 25, 2024, due to discoloration, odor, and elevated PID readings that were observed

during the installation of groundwater monitoring well MW-1404. Investigation into the spill is ongoing, and results will be summarized in the next reporting period.

4. IC Conclusions and Recommendations

It is recommended that the Institutional Controls remain in place.

A2. EC Requirements and Compliance

1. EC Controls

Composite Cover System
Exposure to remaining contamination in soil / fill at the Site is prevented by a composite cover system placed over the Site. This cover system is comprised of 14-inch thick concrete building slab with a 20 mil vapor barrier, and an 8-inch concrete building slab at the rear of the building (first floor). **Figure 2** shows the as-built design of the composite cover system at the Site.

Soil Vapor Extraction System
The SVE system consists of two (2), 2-inch diameter soil vapor extraction wells:

1. VE-1 installed within the former tank field area source area, immediately above the groundwater interface (approximately 46 feet below grade); and
2. VE-2 (identified as MW1401) installed within the sidewalk on Malcolm X Boulevard in the vicinity of the southern petroleum hotspot;

Extraction well VE-1 consists of 20-feet of 0.010 screened section set immediately above the groundwater table, and riser pipe that extends to the new building's cellar floor. Extraction well VE-2 (MW1401) consists of 25-feet of 0.010 screened section set to approximately 55 ft below sidewalk grade. No. 00 morie gravel pack was placed to approximately 5 feet above each well screen, followed by a hydrated bentonite seal. The SVE wells are connected, via 2-inch diameter schedule 40 PVC pipe, to a 1.5-hp EN454 Rotron regenerative blower with a particulate filter and vapor trap located in the cellar of the new building. Soil vapor removed from the extraction wells by the blower, passes through two (2) vapor-phase granular activated carbon vessels prior to discharge at the roof. The SVE system was started on December 11, 2017.

Sub Slab Depressurization Piping
The Decision Document required that all future buildings constructed on the Site be evaluated for the potential for soil vapor intrusion (SVI). The developer elected to install a sub-slab depressurization system (SSDS) piping beneath the new building cellar slab in the event that an SSDS system will be required. The horizontal sub slab piping consists of fabric wrapped, perforated schedule 40, 4-inch PVC pipe connected to a 6-inch steel riser pipe. Three (3) SSDS loops were installed within porous granular material. The loops provide the correct coverage in accordance with USEPA SSDS design specifications, which recommend a separate vent loop for every 4,000 ft^2 of slab area. The loops are each outfitted with a collection point and riser pipe which extends to the roof. Each SSDS includes an SSDS fan to comply with the required vacuum pressure necessary for each loop. The three (3) legs are inspected quarterly to make sure that there

is vacuum maintained under the slab. Vacuum was observed at the three loop gauges during each inspection. During this reporting period, it was recommended by the NYSDEC that the three (3) blowers continue to run. An investigation to confirm the SSDS alone will prevent the potential for soil vapor intrusion is anticipated to be completed during the upcoming reporting period.

2. Status of each EC

Composite Cover System
On June 25, 2024, and September 24, 2024, Site-wide inspections were performed, which included inspection for evidence of cracking or construction in the concrete slab installed above the vapor barrier (see **Figure 2**). No new cracks or new slab penetrations were observed throughout the visible areas of the building slab. Copies of the Annual Checklists are attached as **Appendix A**.

Soil Vapor Extraction System and SSDS System
Between November 2023 and November 2024, the system was functioning continuously. Copies of the Annual Checklists are attached as **Appendix A**.

3. Corrective Measures

The carbon drums associated with the SVE system were found to be effective in the removal of VOCs between November 2023 and November 2024.

4. EC Conclusions and Recommendations

Based on the analytical results of the SVE system influent samples between November 2023 and November 2024, the site has reached asymptotic reduction of VOCs. Several elevated VOC concentrations are still present on the site such as tetrachloroethene (PCE) in Soil Vapor (2,350 ug/m^3 in January 2024) and trichloroethene (TCE) in water and soil vapor (2.5 ug/L in groundwater from MW-1403 and 90.2 ug/m^3 in soil vapor in January 2024), however, the petroleum related compounds associated with the site's former use as a gas station have been reduced to asymptotic levels below at or below their associated SGVs.

A soil vapor intrusion investigation was requested by the NYSDEC to evaluate if the SSDS alone will prevent the potential for soil vapor intrusion. GZA prepared and issued a Soil Vapor Intrusion Work Plan, dated October 17, 2024 to the NYSDEC for approval. The soil vapor intrusion study is anticipated to be conducted during the next reporting period.

The NYSDEC has indicated that they will consider removing the SVE system from service and utilizing the SSDS as the sole form of vapor mitigation pending the results of the aforementioned soil vapor intrusion study.

Based on the VOC data demonstrating asymptotic reduction for VOCs, and given that groundwater is at 42 ft below grade surface, the DEC has approved the abandonment of MW-1401. The DEC requested the installation of an additional monitoring well (MW-1404) north of MW-1402 on site, which was installed on October 25, 2024. Groundwater monitoring on site is to continue for the next monitoring period.

It is recommended that all ECs, composite cover system, and SSDS remain in place, unless otherwise specified by the NYSDEC.

V. MONITORING PLAN COMPLIANCE REPORT

A. Components of the Monitoring Plan

The Monitoring Plan within the Site Management Plan describes the measures for evaluating the performance and effectiveness of the remedy to reduce or mitigate contamination at the Site, the soil cover system, and all affected site media identified below. Monitoring of other Engineering Controls is described in Chapter 4 - Monitoring and Sampling Plan of the SMP, dated December 2019, prepared by AMC Engineering, PLLC.

Site cover inspections will be conducted and documented annually. Modification to the frequency or duration of the inspections will require approval from the NYSDEC. Site-wide inspections will also be performed after all severe weather conditions that may affect ECs or monitoring devices. Unscheduled inspections may take place when a suspected failure of the Site Cover System has been reported or an emergency occurs that is deemed likely to affect the operation of the system.

The Site Cover System components to be inspected include, but are not limited to, the components included below.

Cover Component	Inspection Parameter	Inspection Schedule
Concrete Slab Covering the Site (min 14-inch thick concrete slab under cellar level, 8-inch thick under rear first floor area)	Inspect for damage, and determine if repair/replacement is required.	Annual

Monitoring of the SVE system will be performed on a quarterly basis. Modification to the frequency or sampling requirements will require approval from the NYSDEC. A visual inspection of the complete SVE system will be conducted during each monitoring event and groundwater sampling event. Unscheduled inspections and/or sampling may take place when a suspected failure of the SVE system has been reported or an emergency occurs that is deemed likely to affect the operation of the system. SVE system components to be monitored include, but are not limited to, the components included below:

SVE System Component	Monitoring Parameter	Operating Range	Monitoring Schedule
Regenerative Blower	Flow Rate	TBD100-140 CFM	Quarterly
Activated Carbon Drums	Expiration date, damage, labeling, PID readings (at inlet, mid-carbon	Replace when breakthrough is noted based on PID	Quarterly

	and outlet)	readings	
Plumbing	Cracks, damage, labeling	-	Quarterly

Quarterly sampling of groundwater from the on-site monitoring well network is required. Sampling is to be conducted in accordance with the previously approved Site Management Plan, and groundwater samples are to be analyzed for volatile organic compounds via EPA Method 8260. SVE discharge samples are to be collected from the SVE effluent on a quarterly basis.

B. Summary of Monitoring Completed During Reporting Period

Groundwater quality was monitored during this reporting period by the sampling of the two off-Site monitoring wells (MW-1402 and MW-1403) in January 2024, June 2024, and September 2024. Groundwater samples were not collected during the second quarter of 2024 by the previous environmental consultant. As such, groundwater analytical data for the second quarter is not provided during this reporting period.

Prior to sampling each monitoring well, depth to bottom and depth to water measurements were collected utilizing a decontaminated electronic water level measuring device. A total of approximately 3-5 well casing volumes were removed from each monitoring well utilizing a check valve equipped with disposable polyethylene tubing. Groundwater samples were then collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted for analysis to York Analytical Laboratories (York) of 120 Research Drive Stratford, Connecticut, a New York State ELAP certified environmental laboratory (ELAP Certification Nos. 10854 and 12058) for laboratory analysis of volatile organic compounds (VOCs) via EPA method 8260.

Groundwater sample results were compared to the water quality standards specified in New York State 6NYCRR Part 703.5 Class GA Groundwater Quality Standards (GQS). Analytical data for the groundwater samples for this reporting period are summarized in **Table 1** and **Table 2**. Copies of the laboratory analytical reports are included in **Appendix B.** The total PVOCs, total CVOCs and total VOC concentrations are shown on **Graphs 1-3** for visual comparison.

During this PRR reporting period, SVE system samples were collected on 1/25/24, 6/25/24, and 9/24/24. Prior to sampling, the SVE discharge was field screened with a photo-ionization detector (PID) at the pre-carbon, mid-carbon, and post-carbon locations. A copy of the SVE monitoring forms is attached in **Appendix A**. Soil vapor samples were collected in 1-L tedlar bags at the pre-carbon and post-carbon locations and were submitted for analysis to York of Stratford, Connecticut, a New York State ELAP certified environmental laboratory (ELAP Certification Nos. 10854 and 12058) for laboratory analysis of volatile organic compounds (VOCs) via EPA method TO-15.

Analytical data for the soil vapor samples for this reporting period are summarized in **Table 4**. A copy of the laboratory analytical reports is included in **Appendix C**. The PVOC, CVOC and total VOC concentrations are presented in **Graph 4** attached, for visual comparison. Soil vapor analytical data from the fourth quarter of 2023 and the first quarter of 2024 were not available to TEC or GZA at the time of issuance of this PRR.

C. Comparisons with Remedial Objectives

As shown in **Tables 1-2** and **Graphs 1-2,** the highest concentrations of total VOCs in groundwater were reported in MW-1402. The analytes with the greatest concentrations consisted of 1,2,4-trimethylbenzene (2,900 µg/L in August 2016), 1,3,5-trimethylbenzene (460 µg/L in August 2016), ethylbenzene (1,700 µg/L in September 2018), m&p-xylenes (2,500 µg/L in August 2016), and naphthalene (540 µg/L in August 2016).

During this reporting period, the groundwater VOC concentrations in MW-1402 and MW1403 show an overall declining trend. The groundwater VOC concentration in MW-1402, which has historically showed the most significant concentrations of contamination, has decreased from 2,066.70 µg/L to 408.15 µg/L throughout this monitoring period.

D. Monitoring Deficiencies

At this time, all corrective measures have been completed, and all onsite ECs are operating as intended.

E. Conclusions and Recommendations

The highest total VOC concentrations throughout the reporting period were reported within the downgradient monitoring well MW-1402 (2,066.70 µg/L). MW-1403 had reportedly low total VOC concentrations (less than 10 µg/L). GZA recommends the monitoring of MW-1402 and MW-1403 be continued.

The NYSDEC has approved the discontinuation of sampling at MW-1401, however, they also requested the installation of a new monitoring well north of MW-1402 at an equal distance as between MW-1402 and MW-1403 to confirm that the plume is being properly monitored. An addendum will be added to the SMP to adjust to this change. A new monitoring well (MW-1404) was installed on October 25, 2024, and is anticipated to be sampled during the fourth quarter of 2024.

Based on the analytical results of the SVE system influent samples between December 2017 and September 2024, the soil vapor on site has reached an asymptotic reduction of VOCs. It is recommended that the SVE system continue to operate in conjunction with the other EC/IC controls including the SSDS system pending the results of the soil vapor intrusion study, to be conducted during the next reporting period. Upon receipt of the soil vapor/indoor air analytical results from the SVI study, it will be determined if further mitigation is warranted or if the SVE system can be turned off.

VI. OPERATIONS & MAINTENANCE PLAN COMPLIANCE REPORT

A. Components of the O&M Plan

The Operation and Maintenance provides a brief description of the measures necessary to operate, monitor and maintain the mechanical components of the remedy selected for the Site.

1. Soil Vapor Extraction System

The system is currently installed and operating. If the blower fails, the unit will be replaced with a new/rebuilt 1.5-hp regenerative blower as soon as possible. Following installation of the new or rebuilt 1.5-hp regenerative blower, the following items will be inspected to ensure proper operation:

1) Check all exposed/visible SVE piping for evidence of damage, cracks, or leaks;
2) Turn system on and off to ensure the audible alarm is functioning properly;
3) Record vacuum readings and pressure readings (on the discharge piping prior to carbon drums).

The system testing described above will be conducted if, in the course of the SVE system lifetime, the system goes down or significant changes are made to the system and the system must be restarted. The regenerative blower was last replaced in August 2022.

2. Sub-Slab Depressurization System (SSDS)

The SSDS is currently installed and operating. If the fan fails, the unit will be replaced with a new fan and the following items will be inspected to ensure proper operation:

1) Check all exposed/visible SSDS piping for evidence of damage, cracks, or leaks;
2) Turn system on and off to ensure the audible alarm is functioning properly;
3) Record vacuum readings and pressure readings (at the three legs of the SSDS).

The system testing described above will be conducted if, in the course of the SSDS system lifetime, the system goes down or significant changes are made to the system and the system must be restarted.

3. Monitoring Well Maintenance

If biofouling or silt accumulation is discovered in the on-Site and/or off-Site monitoring wells, the wells will be physically agitated/surged and redeveloped. Additionally, monitoring wells will be properly decommissioned and replaced (as per the Monitoring Plan) if an event renders the wells unusable. In addition, monitoring well caps and covers will be replaced and repaired, if required.

4. Reporting

A checklist is to be completed during each routine maintenance event which is scheduled to be on an annual basis. Checklists / forms will include, but not be limited to the following information:

- Date;
- Name, company, and position of person(s) conducting maintenance activities;
- Maintenance activities conducted;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist / form or on an attached sheet [see Appendix A]); and
- Other documentation such as copies of invoices for maintenance work, receipts for replacement equipment, etc., (attached to the checklist / form).

During each non-routine maintenance event, a form is to be completed that includes, but is not limited to, the following information:

- Date;
- Name, company, and position of person(s) conducting non-routine maintenance/repair activities;
- Presence of leaks;
- Date of leak repair;
- Other repairs or adjustments made to the system;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents (included either on the form or on an attached sheet); and,
- Other documentation such as copies of invoices for repair work, receipts for replacement equipment, etc. (attached to the checklist/form).

5. Contingency Plan

The SVE system is designed to run 24/7 with no maintenance. Periodic inspections were and will be performed to assure that the system was continuing to operate properly.

B. Summary of O&M Completed During Reporting Period

1. SVE System

Between November 2023 and November 2024, quarterly O&M activities were conducted on the SVE system. Quarterly O&M activities conducted between November 2023 and June 2024 were conducted by a former consultant. The documentation relating to the former consultant's quarterly O&M activities were not available to GZA at the time of issuance of this PRR. The SVE system remained on throughout the reporting period of this Periodic Review Report.

2. Monitoring Well Network System

The NYSDEC approved the recommendation to stop monitoring well MW-1401 following several rounds of sampling compliant with state regulations.

A new monitoring well (MW-1404) was installed on October 25, 2024, as requested by the NYSDEC and will be sampled in December 2024. No problems were encountered during sampling throughout the monitoring period. However, a spill (NYSDEC Spill No. 24-06683) was reported at the Site on October 25, 2024, due to discoloration, a hydrocarbon odor and elevated PID readings that were observed during the installation of groundwater monitoring well MW-1404.

C. Evaluation of Remedial Systems

1. Soil Vapor Extraction System

The SVE system has been effective in remediating the soil vapor at the site. Based on the analytical results of the SVE influent samples, the site has reached asymptotic reduction for subsurface soil vapors.

D. O&M Deficiencies

In the current reporting period, there were no deficiencies to the O&M plan.

E. Conclusions and Recommendations for Improvements

The SVE system has been effective in treating the soil in the tank field and petroleum hotspot areas. It has been recommended that the SSDS will be left in operation, pending an investigation into the efficiency of the system to maintain negative pressure under the slab of the building and prevent the potential for soil vapor intrusion. Based on the results of the investigation and pre-carbon SVE system soil vapor data, it is hopeful that the NYSDEC will grant permission to turn off the SVE and leave the SSDS system as the sole form of vapor mitigation.

VII. OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS

A. Compliance with the SMP

All requirements of the SMP were implemented during this PRR reporting period. In order to implement all of the SMP requirements, the following items were completed:

- Groundwater samples were collected from the on-Site monitoring wells in June 2024 and September 2024. Data from additional groundwater sampling events conducted during the reporting period by previous consultant was not available to GZA at the time of the issuance of this report.
- The concrete slab was inspected and the checklist was completed.
- The soil vapor extraction system was inspected to ensure proper operation and inspection checklist was completed.
- The ICs / ECs were inspected and the ICs were certified by the remedial engineer.

B. Performance and Effectiveness of Remedy

The VOC concentrations in groundwater show an overall declining trend across all the monitoring points.

The highest VOC concentrations were reported within the downgradient monitoring well MW-1402 which showed a decrease in total VOCs between the September 2016 and September 2024 sampling events from ~9000 µg/L to ~408 µg/L.

MW-1403 has reportedly low total VOC concentrations (less than 10 µg/L).

Based on the analytical results of the SVE system influent samples between November 2023 and November 2024, the site has reached asymptotic reduction of VOCs. Several elevated VOC concentrations are still present on the site such as PCE in Soil Vapor (2,350 ug/m^3 in January 2024) and trichloroethene (TCE) in water and soil vapor (2.5 ug/L in groundwater from MW-1403 and 90.2 ug/m^3 in soil vapor in January 2024), however, the petroleum related compounds associated with the site's former use as a gas station have been reduced to asymptotic levels below at or below their associated SGVs.

A soil vapor intrusion investigation was requested by the NYSDEC to evaluate if the SSDS alone will prevent the potential for soil vapor intrusion. GZA prepared and issued a Soil Vapor Intrusion Work Plan, dated October 17, 2024 to the NYSDEC for approval. The soil vapor intrusion study is anticipated to be conducted during the next reporting period.

C. Future PRR Submittals

The next PRR submittal will reflect the PRR reporting period of November 2024 to November 2025. In addition, groundwater monitoring analytical results will be provided to the NYSDEC on a quarterly basis.

TABLES

Table 1
Groundwater Analytical Results - MW-1401
(Not Sampled November 2023 - November 2024)
1103-1107 Dekalb Avenue, Brooklyn, NY
November 2022 - November 2023

		MW-1401					
		Ground Water 1/9/2023		Ground Water 3/31/2023		Ground Water 9/5/2023	
Volatiles By SW8260C	TOGS 1.1.1 WQ/GA Table 1	Result	Qual	Result	Qual	Result	Qual
1,1,1,2-Tetrachloroethane	5	ND	U	ND	U	ND	U
1,1,1-Trichloroethane	5	ND	U	ND	U	ND	U
1,1,2,2-Tetrachloroethane	5	ND	U	ND	U	ND	U
1,1,2-Trichloroethane	1	ND	U	ND	U	ND	U
1,1-Dichloroethane	5	ND	U	ND	U	ND	U
1,1-Dichloroethene	5	ND	U	ND	U	ND	U
1,1-Dichloropropene	5	ND	U	ND	U	ND	U
1,2,3-Trichlorobenzene		ND	U	ND	U	ND	U
1,2,3-Trichloropropane	0.04	ND	U	ND	U	ND	U
1,2,4-Trichlorobenzene		ND	U	ND	U	ND	U
1,2,4-Trimethylbenzene	5	ND	U	ND	U	ND	U
1,2-Dibromo-3-chloropropane	0.04	ND	U	ND	U	ND	U
1,2-Dibromoethane	0.0006	ND	U	ND	U	ND	U
1,2-Dichlorobenzene		ND	U	ND	U	ND	U
1,2-Dichloroethane	0.6	ND	U	ND	U	ND	U
1,2-Dichloropropane	1	ND	U	ND	U	ND	U
1,3,5-Trimethylbenzene	5	ND	U	ND	U	ND	U
1,3-Dichlorobenzene	3	ND	U	ND	U	ND	U
1,3-Dichloropropane	5	ND	U	ND	U	ND	U
1,4-Dichlorobenzene		ND	U	ND	U	ND	U
2,2-Dichloropropane	5	ND	U	ND	U	ND	U
2-Chlorotoluene	5	ND	U	ND	U	ND	U
2-Hexanone	50	ND	U	ND	U	ND	U
2-Isopropyltoluene	5	ND	U	ND	U	ND	U
4-Chlorotoluene	5	ND	U	ND	U	ND	U
4-Methyl-2-pentanone		ND	U	ND	U	ND	U
Acetone	50	ND	U	ND	U	ND	U
Acrylonitrile	5	ND	U	ND	U	ND	U
Benzene	5	ND	U	ND	U	ND	U
Bromobenzene	1	ND	U	ND	U	ND	U
Bromochloromethane	5	ND	U	ND	U	ND	U
Bromodichloromethane	5	ND	U	ND	U	ND	U
Bromoform	50	ND	U	ND	U	ND	U
Bromomethane	50	ND	U	ND	U	ND	U
Carbon Disulfide	5	ND	U	ND	U	ND	U
Carbon tetrachloride		ND	U	ND	U	ND	U
Chlorobenzene	5	ND	U	ND	U	ND	U
Chloroethane	5	ND	U	ND	U	ND	U
Chloroform	5	1.3		ND	U	1.2	
Chloromethane	7	ND	U	ND	J	ND	U
cis-1,2-Dichloroethene	5	ND	U	ND	U	ND	U
cis-1,3-Dichloropropene	5	ND	U	ND	J	ND	U
Dibromochloromethane	0.4	ND	U	ND	U	ND	U
Dibromomethane	50	ND	U	ND	U	ND	U
Dichlorodifluoromethane	5	ND	U	ND	U	ND	U
Ethylbenzene	5	ND	U	ND	U	ND	U
Hexachlorobutadiene	5	ND	U	ND	U	ND	U
Isopropylbenzene	0.5	ND	U	ND	U	ND	U
m&p-Xylene	5	ND	U	ND	U	ND	U
Methyl ethyl ketone		ND	U	ND	U	ND	U
Methyl t-butyl ether (MTBE)	50	ND	U	ND	U	ND	U
Methylene chloride		ND	U	ND	U	ND	U
Naphthalene	5	ND	U	ND	U	ND	U
n-Butylbenzene	10	ND	U	ND	U	ND	U
n-Propylbenzene	5	ND	U	ND	U	ND	U
o-Xylene	5	ND	U	ND	U	ND	U
p-Isopropyltoluene	5	ND	U	ND	U	ND	U
sec-Butylbenzene	5	ND	U	ND	U	ND	U
Styrene	5	ND	U	ND	U	ND	U
tert-Butylbenzene	5	ND	U	ND	U	ND	U
Tetrachloroethene	5	2.2		ND	U	1	
Tetrahydrofuran (THF)	5	ND	U	1.9		ND	U
Toluene	50	ND	U	ND	U	ND	U
Total Xylenes	5	ND	U	ND	U	ND	U
trans-1,2-Dichloroethene	5	ND	U	ND	U	ND	U
trans-1,3-Dichloropropene	0.4	ND	U	ND	U	ND	U
trans-1,4-dichloro-2-butene	5	ND	U	ND	U	ND	U
Trichloroethene	5	**7.8**		**6.5**		**6**	
Trichlorofluoromethane	5	ND	U	ND	U	ND	U
Trichlorotrifluoroethane	5	ND	U	ND	U	ND	U
Vinyl chloride	2	ND	U	ND	U	ND	U
PVOCs		0.00		0.00		0.00	
Total VOCs		11.30		8.40		8.20	

Table Notes:

---: No guidance value.
ug/L: Micrograms per Liter.
U: Not detected at the reported detection limit (RL) for the sample.
Qual: Qualifier.
Exceeds TOGS 1.1.1 Groundwater Standard

Table 2
Groundwater Analytical Results - MW-1402
1103-1107 Dekalb Avenue, Brooklyn, NY
November 2023 - November 2024

		MW-1402					
		Ground Water 1/25/2024		Ground Water 6/25/2024		Ground Water 9/24/2024	
VOA, 8260 LOW MASTER (ug/L)	TOGS 1.1.1 WQ/GA Table 1	Result	Qual	Result	Qual	Result	Qual
1,1,1,2-Tetrachloroethane	5	1.0	U	2.16	U	0.216	U
1,1,1-Trichloroethane	5	2.0	U	2.66	U	0.266	U
1,1,2,2-Tetrachloroethane	5	0.5	U	2.56	U	0.256	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	1.0	U	2.86	U	0.286	U
1,1,2-Trichloroethane	1	2.0	U	2.49	U	0.249	U
1,1-Dichloroethane	5	2.0	U	2.72	U	0.272	U
1,1-Dichloroethylene	5	1.0	U	3.27	U	0.327	U
1,1-Dichloropropylene	5	1.0	U	3.14	U	0.314	U
1,2,3-Trichlorobenzene	5	1.0	U	2.22	U	0.222	U
1,2,3-Trichloropropane	0.04	1.0	U	2.73	U	0.273	U
1,2,4,5-Tetramethylbenzene	--	NT		24.1	D	8.900	
1,2,4-Trichlorobenzene	5	1.0	U	1.38	U	0.138	U
1,2,4-Trimethylbenzene	5	**210**		**522**	D	**72**	D
1,2-Dibromo-3-chloropropane	0.04	1.0	U	4.32	U	0.432	U
1,2-Dibromoethane	0.0006	1.0	U	2.15	U	0.215	U
1,2-Dichlorobenzene	3	2.0	U	2.7	U	0.270	U
1,2-Dichloroethane	0.6	1.0	U	3.77	U	0.377	U
1,2-Dichloropropane	1	1.0	U	3.27	U	0.327	U
1,3,5-Trimethylbenzene	5	**39**		**37**	D	**8.31**	
1,3-Dichlorobenzene	3	1.0	U	2.83	U	0.283	U
1,3-Dichloropropane	5	1.0	U	2.6	U	0.260	U
1,4-Dichlorobenzene	3	1.0	U	3.11	U	0.311	U
1,4-Dioxane	0.35	100	U	353	U	35.3	U
2,2-Dichloropropane	5	1.0	U	4.66	U	0.466	U
2-Butanone	50	5.0	U	4.21	U	1.650	
2-Chlorotoluene	5	1.0	U	3.76	U	0.376	U
2-Hexanone	50	5.0	U	3.2	U	0.320	U
2-Isopropyltoluene	--	1.1				NT	
4-Chlorotoluene	5	1.0	U	3.11	U	0.311	U
4-Methyl-2-pentanone	--	2.5	U	3.65	U	0.365	U
Acetone	50	5.0	U	22.2	D	3.850	
Acrolein	--	NT		4.47	U	0.447	U
Acrylonitrile	--	1.0	U	4.22	U	0.422	U
Benzene	1	0.63	J	2.79	U	0.279	U
Bromobenzene	5	1.0	U	3.67	U	0.367	U
Bromochloromethane	5	1.0	U	3.54	U	0.354	U
Bromodichloromethane	50	1.0	U	2.45	U	0.245	U
Bromoform	50	1.0	U	1.63	U	0.163	U
Bromomethane	5	2.0	U	1.19	U	0.119	U
Carbon disulfide	--	1.0	U	3.62	U	0.362	U
Carbon tetrachloride	5	1.0	U	2.04	U	0.204	U
Chlorobenzene	5	2.0	U	2.84	U	0.284	U
Chloroethane	5	2.0	U	4.48	U	0.448	U
Chloroform	7	1.0	U	2.43	U	0.243	U
Chloromethane	5	2.0	U	3.72	U	0.372	U
cis-1,2-Dichloroethylene	5	**10.0**		**14.5**	D	2.410	
cis-1,3-Dichloropropylene	0.4	0.4	U	2.62	U	0.262	U
Cyclohexane	--	9.4		25.2	D	9.910	
Dibromochloromethane	50	1.0	U	1.46	U	0.146	U
Dibromomethane	--	1.0	U	2.03	U	0.203	U
Dichlorodifluoromethane	5	1.0	U	4.51	U	0.451	U
Diisopropyl ether (DIPE)	--	NT		4.66	U	0.466	U
Ethyl Benzene	5	**250**		**442**	D	**60**	D
Ethyl tert-butyl ether (ETBE)	--	NT		4.79	U	0.479	U
Hexachlorobutadiene	0.5	0.4	U	2.41	U	0.241	U
Iodomethane	--	NT		4.77	U	0.477	U
Isopropylbenzene	5	**50.0**		**60.2**	D	**21.6**	
Methyl acetate	--	2.5	U	4.42	U	0.442	U
Methyl Methacrylate	--	NT		20.2	D	0.415	U
Methyl tert-butyl ether (MTBE)	10	1.0	U	2.44	U	0.244	U
Methylcyclohexane	--	17.0		9.4	D	3.440	
Methylene chloride	5	3.0	U	3.97	U	0.397	U
Naphthalene	10	**44.0**		**86.2**	BD	**21.5**	
n-Butylbenzene	5	3.3		4.4	JD	2.130	
n-Propylbenzene	5	**91.0**		**117**	D	**45.8**	
o-Xylene	5	1.8		2.61	U	0.290	J
p- & m- Xylenes	--	260		284	D	56.40	
p-Diethylbenzene	--	NT		20.4	D	5.970	
p-Ethyltoluene	--	NT		83.8	D	21.40	
p-Isopropyltoluene	5	0.74	J	3.77	U	0.460	J
sec-Butylbenzene	5	**5.8**		**6.4**	D	2.820	
Styrene	5	1.0	U	2.55	U	0.255	U
tert-Amyl alcohol (TAA)	--	NT		41.6	U	4.160	U
tert-Amyl methyl ether (TAME)	--	NT		5.11	U	0.511	U
tert-Butyl alcohol (TBA)	--	NT		6.08	U	0.608	U
tert-Butylbenzene	5	1.0	U	3.67	U	0.367	U
Tetrachloroethylene	5	1.0	U	2.39	U	0.239	U
Tetrahydrofuran	--	2.5	U	4.85	U	0.485	U
Toluene	5	**5.8**		**8.1**	D	1.330	
trans-1,2-Dichloroethylene	5	1.0	U	2.79	U	0.279	U
trans-1,3-Dichloropropylene	0.4	0.4	U	2.29	U	0.229	U
trans-1,4-dichloro-2-butene	--	5.0	U	2.83	U	0.283	U
Trichloroethylene	5	3.7		2.49	U	0.860	
Trichlorofluoromethane	5	NT		3.37	U	0.337	U
Vinyl acetate	--	1.0	U	4.77	U	0.477	U
Vinyl Chloride	2	1.0	U	4.69	U	0.469	U
Xylenes, Total	5	**261.8**		**284**	D	**56.7**	
PVOCs		1251.37		1989.00		398.96	
Total VOCs		1275.07		2041.50		408.15	

Table Notes:

---: No guidance value.
ug/L: Micrograms per Liter.
U: Not detected at the reported detection limit (RL) for the sample.
D: The reported concentration is the result of a diluted analysis
NT: Analyte not targeted
Qual: Qualifier.
Exceeds TOGS 1.1.1 Groundwater Standard

Table 3
Groundwater Analytical Results - MW-1403
1103-1107 Dekalb Avenue, Brooklyn, NY
November 2023 - November 2024

		MW-1403					
		Ground Water 1/25/2024		Ground Water 6/25/2024		Ground Water 9/24/2024	
VOA, 8260 LOW MASTER (ug/L)	TOGS 1.1.1 WQ/GA Table 1	Result	Qual	Result	Qual	Result	Qual
1,1,1,2-Tetrachloroethane	5	1.0	U	0.216	U	0.216	U
1,1,1-Trichloroethane	5	2.0	U	0.266	U	0.266	U
1,1,2,2-Tetrachloroethane	5	1.0	U	0.256	U	0.256	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	1.0	U	0.286	U	0.286	U
1,1,2-Trichloroethane	1	1.0	U	0.249	U	0.249	U
1,1-Dichloroethane	5	2.0	U	0.272	U	0.272	U
1,1-Dichloroethylene	5	1.0	U	0.327	U	0.327	U
1,1-Dichloropropylene	5	1.0	U	0.314	U	0.314	U
1,2,3-Trichlorobenzene	5	1.0	U	0.222	U	0.222	U
1,2,3-Trichloropropane	0.04	1.0	U	0.273	U	0.273	U
1,2,4,5-Tetramethylbenzene	--	NT		0.255	U	0.290	J
1,2,4-Trichlorobenzene	5	0.75	U	0.138	U	0.138	U
1,2,4-Trimethylbenzene	5	1.0	J	0.310	U	0.310	U
1,2-Dibromo-3-chloropropane	0.04	1.0	U	0.432	U	0.432	U
1,2-Dibromoethane	0.0006	1.0	U	0.215	U	0.215	U
1,2-Dichlorobenzene	3	1.0	U	0.270	U	0.270	U
1,2-Dichloroethane	0.6	0.6	U	0.377	U	0.377	U
1,2-Dichloropropane	1	1.0	U	0.327	U	0.327	U
1,3,5-Trimethylbenzene	5	1.0	U	0.347	U	0.347	U
1,3-Dichlorobenzene	3	2.0	U	0.283	U	0.283	U
1,3-Dichloropropane	5	1.0	U	0.260	U	0.260	U
1,4-Dichlorobenzene	3	2.0	U	0.311	U	0.311	U
1,4-Dioxane	0.35	100	U	35.3	U	35.3	U
2,2-Dichloropropane	5	1.0	U	0.466	U	0.466	U
2-Butanone	50	5.0	U	1.300		0.421	U
2-Chlorotoluene	5	1.0	U	0.376	U	0.376	U
2-Hexanone	50	5.0	U	0.320	U	0.320	U
2-Isopropyltoluene	--	0.31	J	NT		NT	
4-Chlorotoluene	5	1.0	U	0.311	U	0.311	U
4-Methyl-2-pentanone	--	2.5	U	0.365	U	0.365	U
Acetone	50	25.0	U	4.270		1.340	U
Acrolein	--	NT		0.447	U	0.447	U
Acrylonitrile	--	1.0	U	0.422	U	0.422	U
Benzene	1	0.7	U	0.279	U	0.279	U
Bromobenzene	5	1.0	U	0.367	U	0.367	U
Bromochloromethane	5	1.0	U	0.354	U	0.354	U
Bromodichloromethane	50	0.5	U	0.245	U	0.245	U
Bromoform	50	1.0	U	0.163	U	0.163	U
Bromomethane	5	2.0	U	0.119	U	0.119	U
Carbon disulfide	--	5.0	U	0.362	U	0.362	U
Carbon tetrachloride	5	1.0	U	0.204	U	0.204	U
Chlorobenzene	5	1.0	U	0.284	U	0.284	U
Chloroethane	5	2.0	U	0.448	U	0.448	U
Chloroform	7	2.0	U	0.590		0.243	U
Chloromethane	5	1.0	U	0.372	U	0.372	U
cis-1,2-Dichloroethylene	5	2.1		0.294	U	0.294	U
cis-1,3-Dichloropropylene	0.4	0.4	U	0.262	U	0.262	U
Cyclohexane	--	3.3	J	1.400		1.790	
Dibromochloromethane	50	1.0	U	0.146	U	0.146	U
Dibromomethane	--	1.0	U	0.203	U	0.203	U
Dichlorodifluoromethane	5	1.0	U	0.451	U	0.451	U
Diisopropyl ether (DIPE)	--	NT		0.466	U	0.466	U
Ethyl Benzene	5	2.1		0.290	U	0.290	U
Ethyl tert-butyl ether (ETBE)	--	NT		0.479	U	0.479	U
Hexachlorobutadiene	0.5	0.4	U	0.241	U	0.241	U
Iodomethane	--	NT		0.477	U	0.477	U
Isopropylbenzene	5	**6.0**		0.405	U	0.405	U
Methyl acetate	--	2.5	U	0.442	U	0.442	U
Methyl Methacrylate	--	NT		0.415	U	0.415	U
Methyl tert-butyl ether (MTBE)	10	1.0	U	0.244	U	0.244	U
Methylcyclohexane	--	2.0	U	0.477	U	0.477	U
Methylene chloride	5	1.0	U	0.397	U	0.397	U
Naphthalene	10	1.0	U	0.290	JB	0.212	U
n-Butylbenzene	5	1.2		0.399	U	0.399	U
n-Propylbenzene	5	4.9		0.384	U	0.384	U
o-Xylene	5	1.0	U	0.261	U	0.261	U
p- & m- Xylenes	--	0.4	J	0.578	U	0.578	U
p-Diethylbenzene	--	NT		0.341	U	0.341	U
p-Ethyltoluene	--	NT		0.200	U	0.200	U
p-Isopropyltoluene	5	0.25	J	0.377	U	0.377	U
sec-Butylbenzene	5	3.7		0.444	U	1.600	
Styrene	5	1.0	U	0.255	U	0.255	U
tert-Amyl alcohol (TAA)	--	NT		4.160	U	4.160	U
tert-Amyl methyl ether (TAME)	--	NT		0.511	U	0.511	U
tert-Butyl alcohol (TBA)	--	NT		0.608	U	0.608	U
tert-Butylbenzene	5	1.0	U	0.367	U	0.367	U
Tetrachloroethylene	5	0.43	J	0.370	J	0.360	J
Tetrahydrofuran	--	2.5	U	0.485	U	0.485	U
Toluene	5	1.0	U	0.346	U	0.346	U
trans-1,2-Dichloroethylene	5	1.0	U	0.279	U	0.279	U
trans-1,3-Dichloropropylene	0.4	0.4	U	0.229	U	0.229	U
trans-1,4-dichloro-2-butene	--	5.0	U	0.283	U	0.283	U
Trichloroethylene	5	2.5		0.930		0.910	
Trichlorofluoromethane	5	1.0	U	0.337	U	0.337	U
Vinyl acetate	--	NT		0.477	U	0.477	U
Vinyl Chloride	2	1.0	U	0.469	U	0.469	U
Xylenes, Total	5	1.0	U	0.839	U	0.839	U
PVOCs		27.21		1.69		3.68	
Total VOCs		28.19		9.15		4.95	

Table Notes:

---: No guidance value.
ug/L: Micrograms per Liter.
U: Not detected at the reported detection limit (RL) for the sample.
D: The reported concentration is the result of a diluted analysis
NT: Analyte not targeted
Qual: Qualifier.
Exceeds TOGS 1.1.1 Groundwater Standard

Table 4

SVE Vapor Anaytical Results - SVE Influent and Effluent

1103-1107 Dekalb Avenue, Brooklyn, NY

November 2023 - November 2024

	1/25/2024				6/25/2024				9/24/2024			
	INFLUENT		EFFLUENT		INFLUENT		EFFLUENT		INFLUENT		EFFLUENT	
Volatiles By TO-15 (µg/m3)	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
1,1,1,2-Tetrachloroethane	5	U	10	U	0.69	U	3.4	U	6.90	U	6.9	U
1,1,1-Trichloroethane	5	U	9.98	U	0.55	U	2.7	U	5.50	U	5.5	U
1,1,2,2-Tetrachloroethane	5	U	10	U	0.69	U	3.4	U	6.90	U	6.9	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	U	10	U	0.77	U	25	D	7.70	U	38	D
1,1,2-Trichloroethane	5	U	9.98	U	0.55	U	2.7	U	5.50	U	5.5	U
1,1-Dichloroethane	5.02	U	9.99	U	0.4	U	2	U	4	U	4	U
1,1-Dichloroethylene	4.99	U	9.99	U	0.099	U	0.5	U	0.99	U	0.99	U
1,2,4-Trichlorobenzene	NT		NT		0.74		3.7	U	7.40	U	7.4	U
1,2,4-Trimethylbenzene	5.01	U	10	U	0.49	U	2.5	U	4.90	U	4.9	U
1,2-Dibromoethane	5	U	9.98	U	0.77	U	3.8	U	7.70	U	7.7	U
1,2-Dichlorobenzene	NT		NT		0.6	U	3	U	6	U	6	U
1,2-Dichloroethane	5.02	U	9.99	U	0.4	U	2	U	4	U	4	U
1,2-Dichloropropane	4.99	U	10	U	0.46	U	2.3	U	4.60	U	4.6	U
1,2-Dichlorotetrafluoroethane	5	U	9.99	U	0.7	U	3.5	U	7	U	7	U
1,3,5-Trimethylbenzene	5.01	U	10	U	0.49	U	2.5	U	4.90	U	4.9	U
1,3-Butadiene	5	U	9.99	U	0.66	U	3.3	U	6.60	U	6.6	U
1,3-Dichlorobenzene	NT		NT		0.6	U	3	U	6	U	6	U
1,3-Dichloropropane	NT		NT		0.46	U	2.3	U	4.60	U	4.6	U
1,4-Dichlorobenzene	NT		NT		0.6	U	3	U	6	U	6	U
1,4-Dioxane	5.01	U	10	U	0.72	U	3.6	U	7.20	U	7.2	U
2,2,4-Trimethylpentane	NT		NT		0.23		1.2	U	2.30	J	2.3	U
2-Butanone	5.01	U	9.99	U	1.9		2.4	D	2.90	U	2.9	U
2-Hexanone	4.99	U	9.99	U	0.82	U	4.1	U	8.20	U	8.2	U
3-Chloropropene	NT		NT		1.6	U	7.8	U	16	U	16	U
4-Isopropyltoluene	5	U	9.98	U	NT		NT		NT		NT	
4-Methyl-2-pentanone	4.99	U	9.99	U	2.5		7.2	D	4.10	U	4.1	U
Acetone	22.8		13.1		20		23	D	20	D	16	D
Acrylonitrile	5.01	U	10	U	0.22	U	1.1	U	2.20	U	2.2	U
Benzene	5.01	U	9.99	U	0.38		1.6	U	3.20	U	3.2	U
Benzyl chloride	NT		NT		0.52	U	2.6	U	5.20	U	5.2	U
Bromodichloromethane	5	U	9.98	U	0.67	U	3.3	U	6.70	U	6.7	U
Bromoform	5	U	10	U	1	U	5.2	U	10	U	10	U
Bromomethane	5.01	U	10	U	0.39	U	1.9	U	3.90	U	3.9	U
Carbon disulfide	5.01	U	9.99	U	4.5		5.4	D	3.10	U	3.1	D
Carbon tetrachloride	1.24	U	2.5	U	0.38		0.79	U	1.60	U	1.9	D
Chlorobenzene	5.01	U	9.98	U	0.46	U	2.3	U	4.60	U	4.6	U
Chloroethane	5.01	U	10	U	0.26	U	1.3	U	2.60	U	2.6	U
Chloroform	93.7		71.7		4.6		600	D	21	D	980	D
Chloromethane	4.99	U	10	U	0.64		1	U	2.10	U	2.1	U
cis-1,2-Dichloroethylene	4.99	U	9.99	U	0.099	U	4.2	D	0.99	U	3.2	D
cis-1,3-Dichloropropylene	4.99	U	9.98	U	0.45	U	2.3	U	4.50	U	4.5	U
Cyclohexane	4.99	U	10	U	0.34	U	1.7	U	3.40	U	3.4	U
Dibromochloromethane	5	U	9.96	U	0.85	U	4.3	U	8.50	U	8.5	U
Dichlorodifluoromethane	4.99	U	9.98	U	2.4		3	D	4.90	U	4.9	U
Ethanol	367		262		NT		NT		NT		NT	
Ethyl acetate	5.01	U	10	U	36		34	D	7.20	U	7.2	U
Ethyl Benzene	4.99	U	9.98	U	0.43	U	2.2	U	4.30	U	4.3	U
Hexachlorobutadiene	5	U	10	U	1.1	U	5.3	U	11	U	11	U
Isopropanol	13.3		10	U	3.6		6.3	D	11	D	12	D
Isopropylbenzene	5.01	U	10	U	NT		NT		NT		NT	
Methyl Methacrylate	NT		NT		0.41	U	2	U	4.10	U	4.1	U
Methyl tert-butyl ether (MTBE)	5.01	U	10	U	0.36	U	1.8	U	3.60	U	3.6	U
Methylene chloride	5	U	10	U	0.69	U	3.5	U	6.90	U	6.9	D
Naphthalene	NT		NT		1	U	5.2	U	10	U	10	U
n-Heptane	5	U	9.99	U	0.41	U	2	U	4.10	U	4.1	U
n-Hexane	5	U	10	U	0.95		1.8	U	3.50	U	3.5	U
n-Butylbenzene	5	U	9.98	U	NT		NT		NT		NT	
o-Xylene	4.99	U	9.98	U	0.43	U	2.2	U	4.30	U	4.3	U
p- & m- Xylenes	5.86		9.98	U	0.87	U	4.3	U	8.70	U	8.7	U
p-Ethyltoluene	5.01	U	10	U	0.49	U	2.5	U	4.90	U	4.9	U
Propylene	5.01	U	9.99	U	1.3		2.2	D	1.70	U	1.7	U
sec-Butylbenzene	5	U	9.98	U	NT		NT		NT		NT	
Styrene	NT		NT		0.43	U	2.1	U	4.30	U	4.3	U
Tetrachloroethylene	2,350		847		39		3.4	U	1,900	D	6.8	U
Tetrahydrofuran	5.01	U	9.99	U	2.9		2.9	U	5.90	U	5.9	U
Toluene	5.01	U	10	U	2		2.3	D	5.70	D	3.8	U
trans-1,2-Dichloroethylene	4.99	U	9.99	U	0.4	U	2	U	4	U	4	U
trans-1,3-Dichloropropylene	NT		NT		0.45	U	2.3	U	4.50	U	4.5	U
Trichloroethylene	90.20		2.5		0.21		0.67	U	10	D	1.3	U
Trichlorofluoromethane (Freon 11)	5.9		9.99		1.4		140	D	5.60	U	230	D
Vinyl acetate	NT		NT		0.92		1.8	U	3.50	U	3.5	U
Vinyl bromide	NT		NT		0.44	U	2.2	U	4.40	U	4.4	U
Vinyl Chloride	1.25	U	2.5	U	0.13	U	0.64	U	1.30	U	1.3	U
Total PVOCs	**5.86**		**0.00**		**3.56**		**2.30**		**8.00**		**0.00**	
Total CVOCs	**2539.80**		**931.19**		**53.19**		**747.20**		**1931.00**		**1260.00**	
Total VOCs	**2948.76**		**1206.29**		**126.55**		**855.00**		**1970.00**		**1291.10**	

TABLE NOTES:

D : result is from an analysis that required a dilution

U : analyte not detected at or above the level indicatec

J : analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

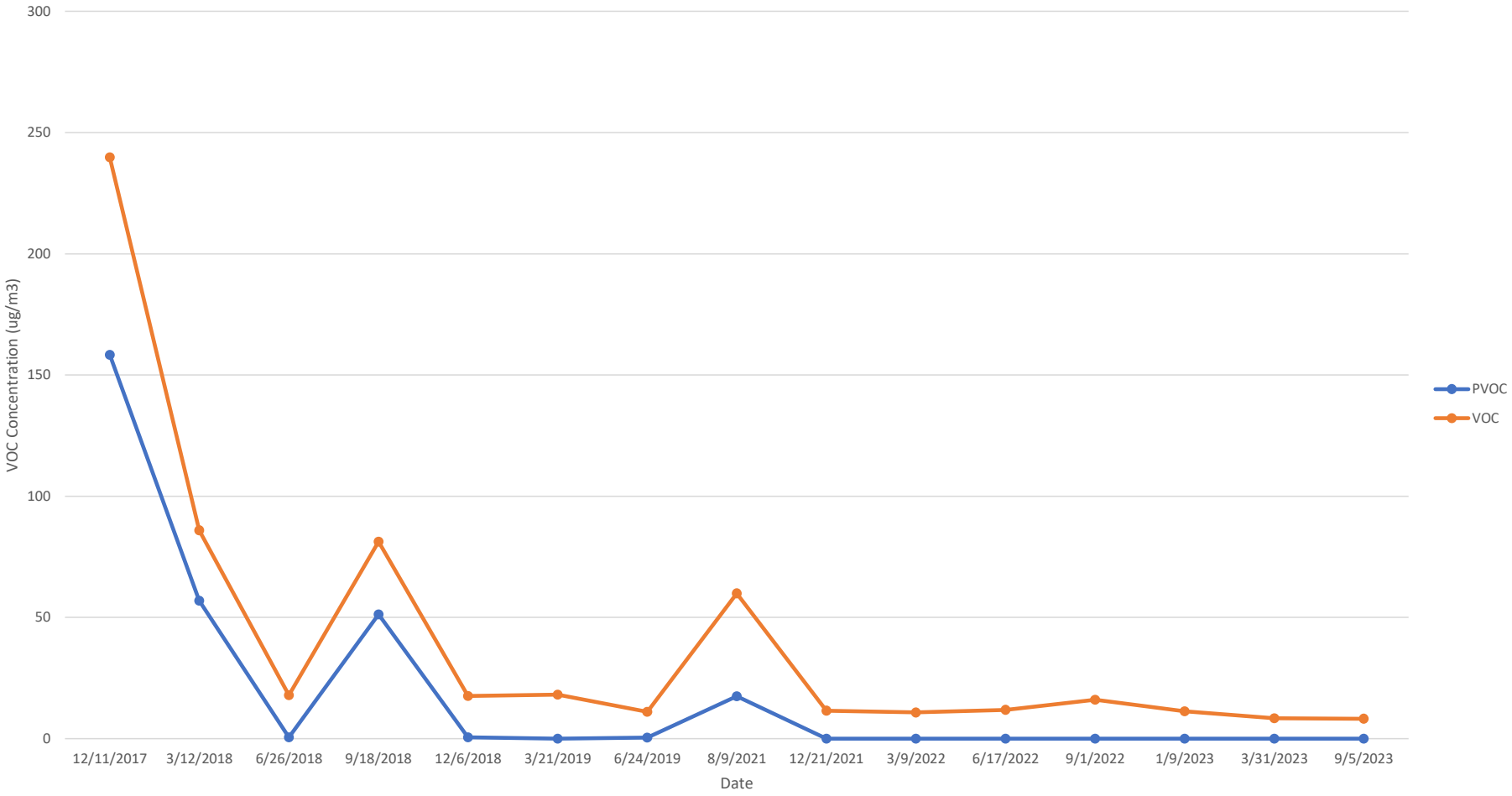
ug/m^3: micrograms per cubic meter

Qual : Qualifier

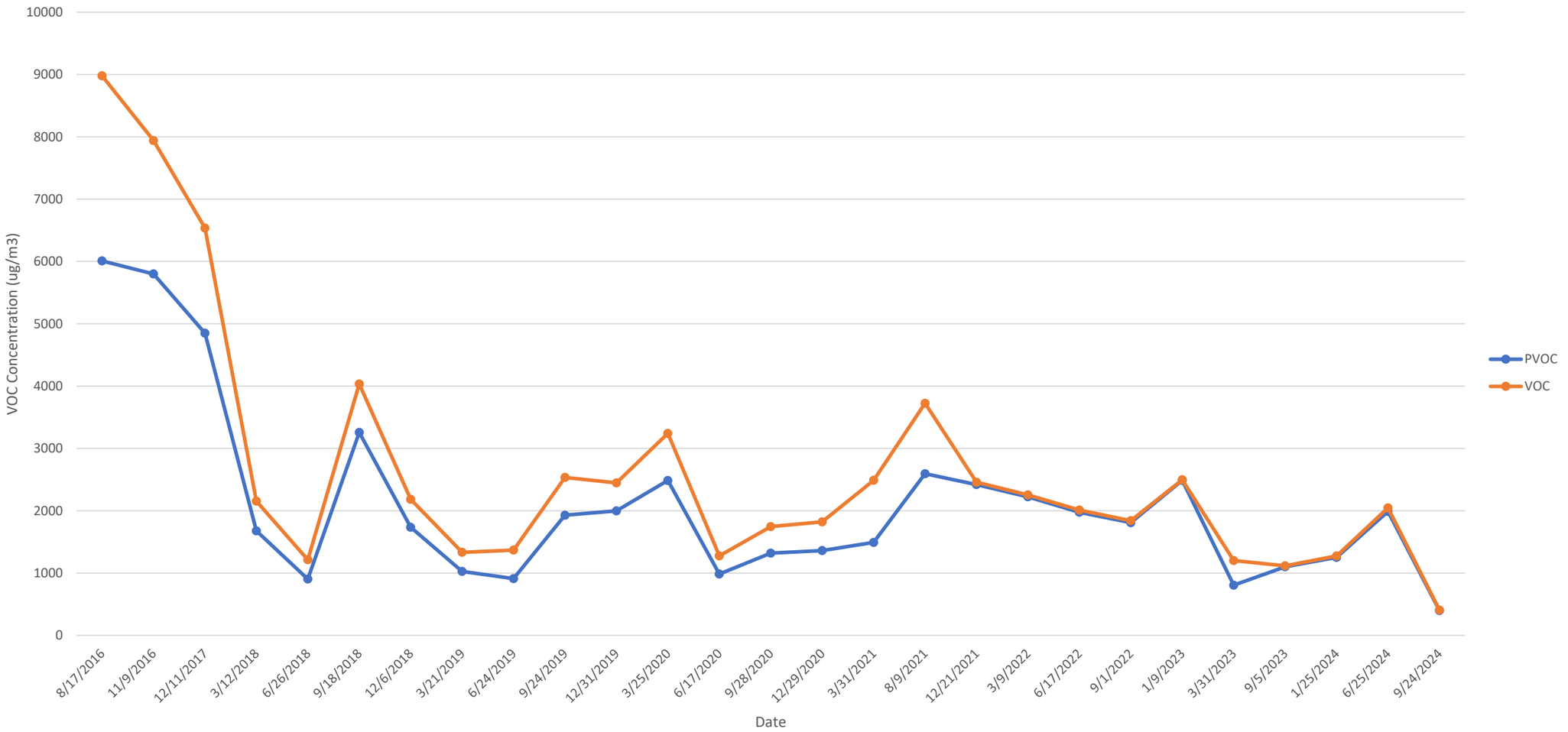
NT: Analyte was not a target for the sample

GRAPHS

Graph 1
MW1401
1103-1107 Dekalb Avenue, Brooklyn, NY
November 2023 - November 2024



Graph 2
MW1402
1103-1107 Dekalb Avenue, Brooklyn, NY
November 2023 - November 2024

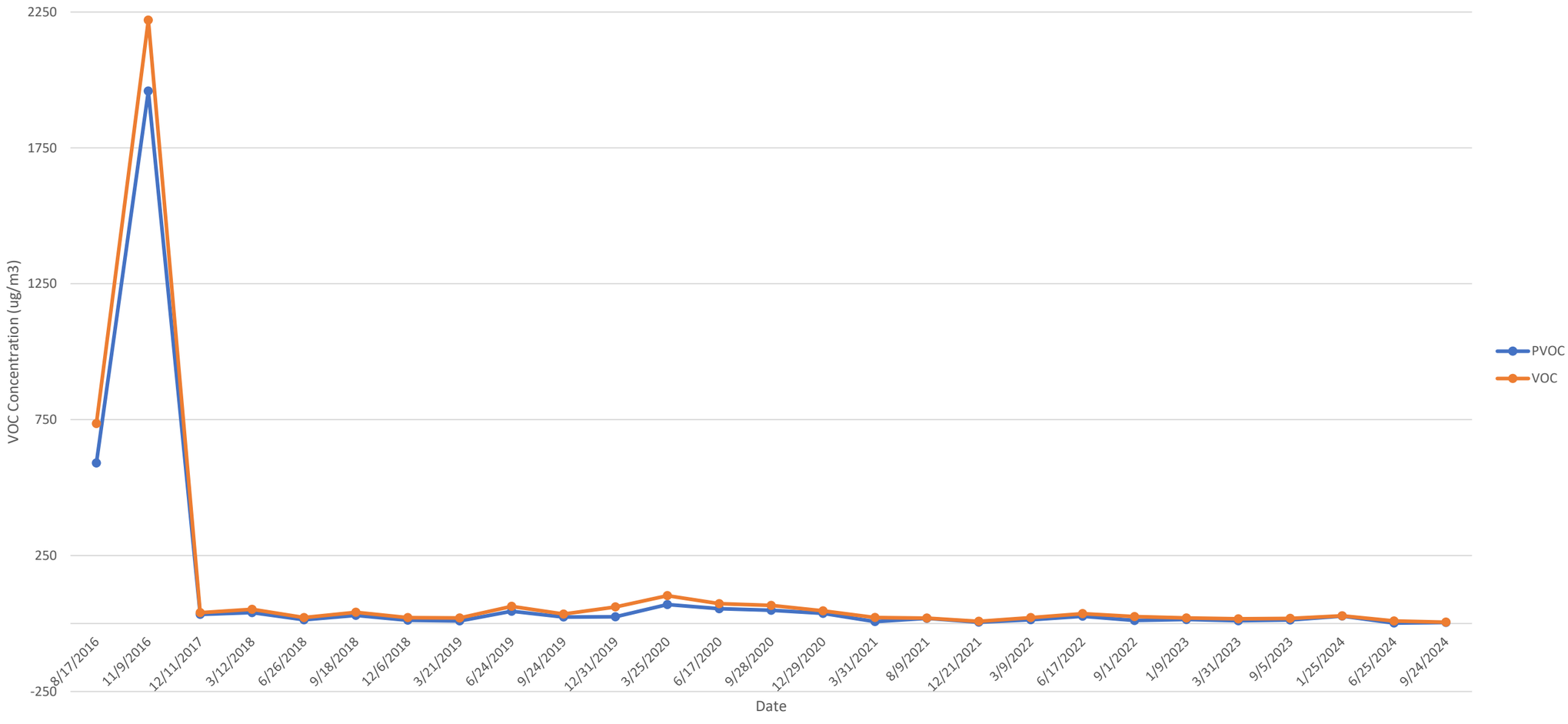


Graph 3

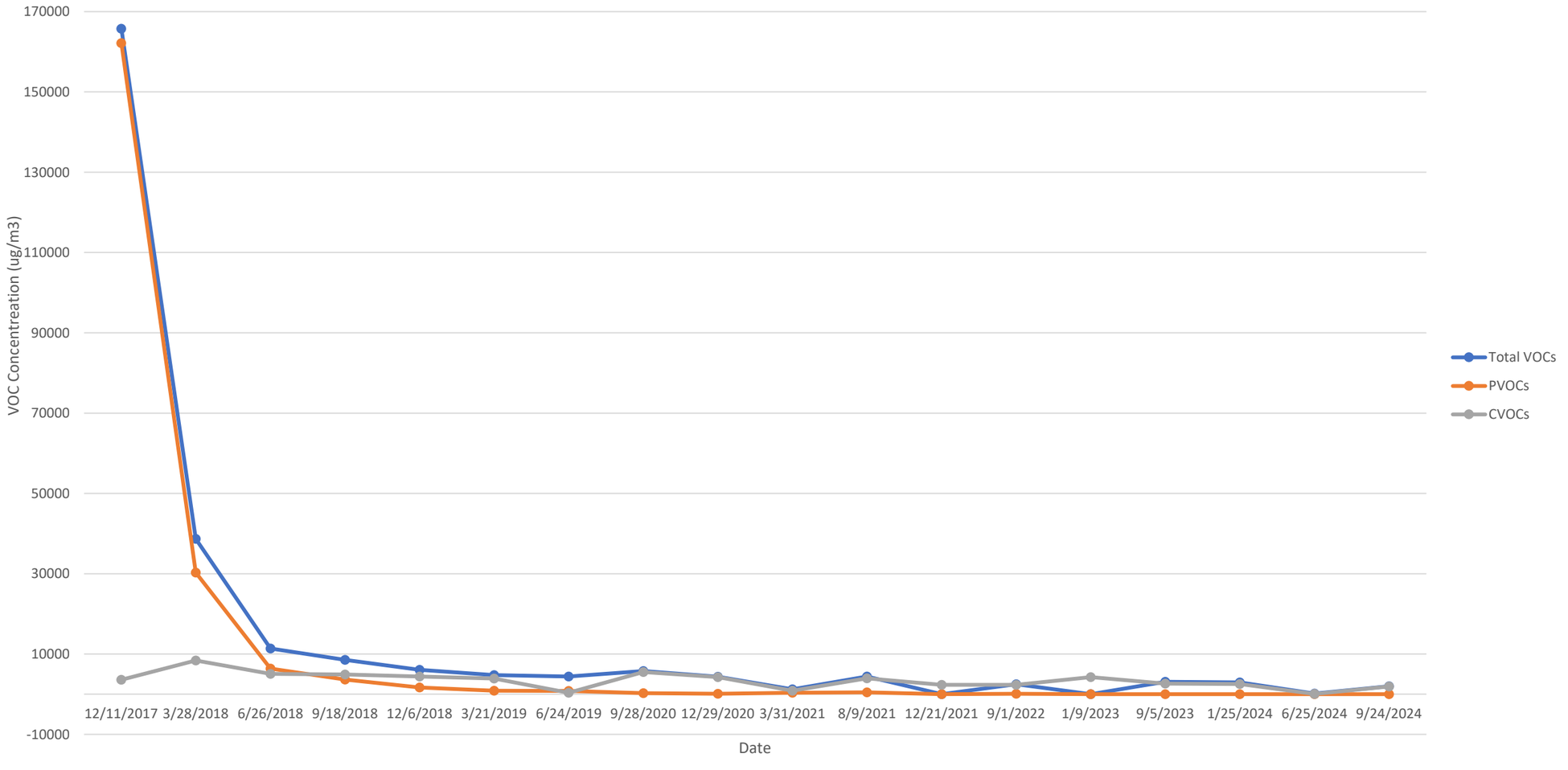
MW1403

1103-1107 Dekalb Ave, Brooklyn, NY

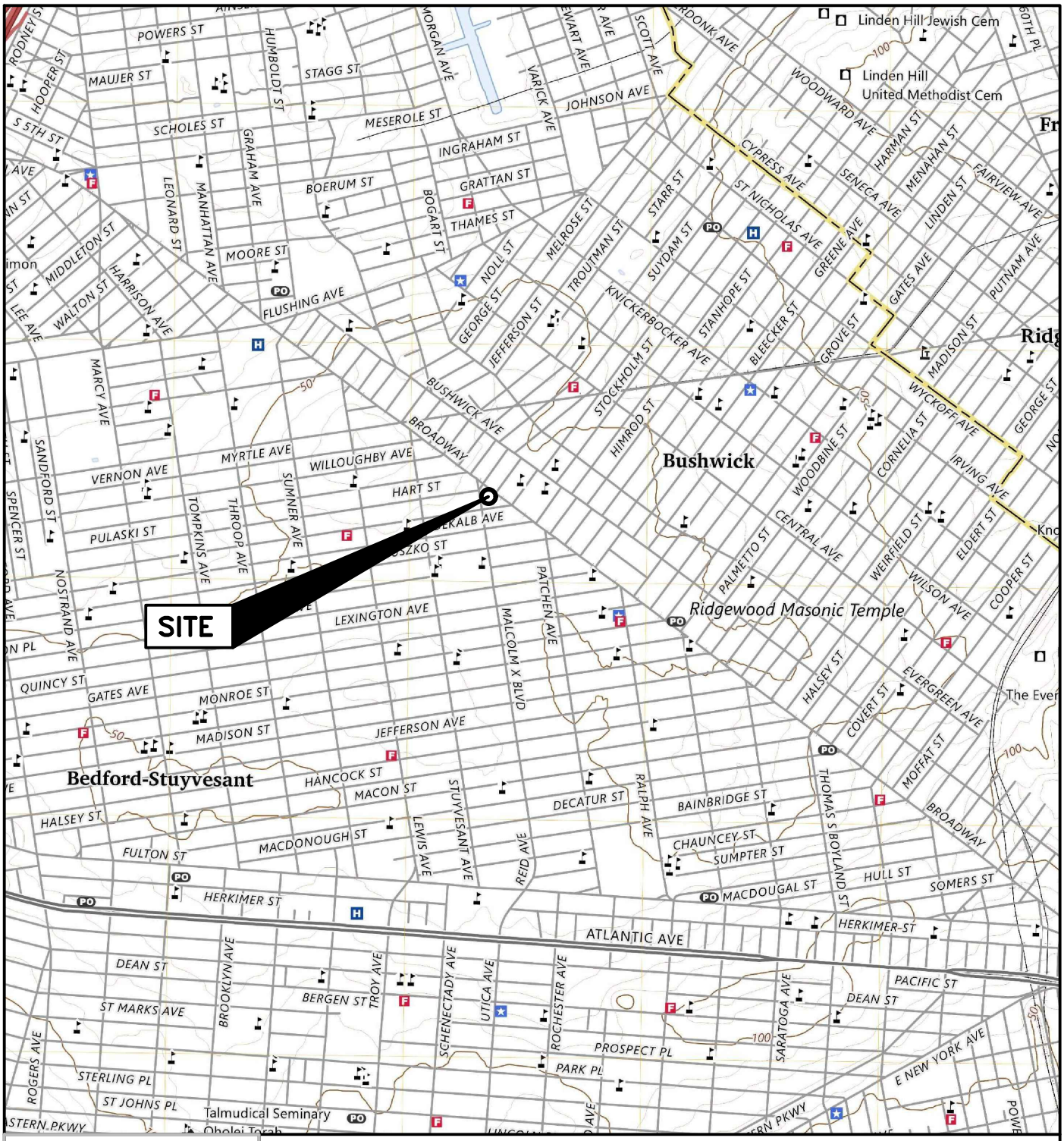
November 2023 - November 2024



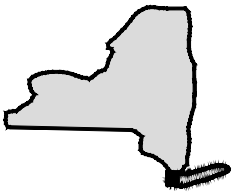
Graph 4
SVE System Influent
1103-1107 Dekalb Avenue, Brooklyn, NY
November 2023 - November 2024



FIGURES



NEW YORK



QUADRANGLE LOCATION

SOURCE:

USGS TOPOGRAPHIC MAPS: BROOKLYN, NEW YORK (2023). CONTOUR INTERVAL 10FT., NAVD-1988, ORIGINAL SCALE 1:24,000 (1IN.=2,000FT.).

N
W E
S

11-07 DEKALB AVENUE, BROOKLYN, NY

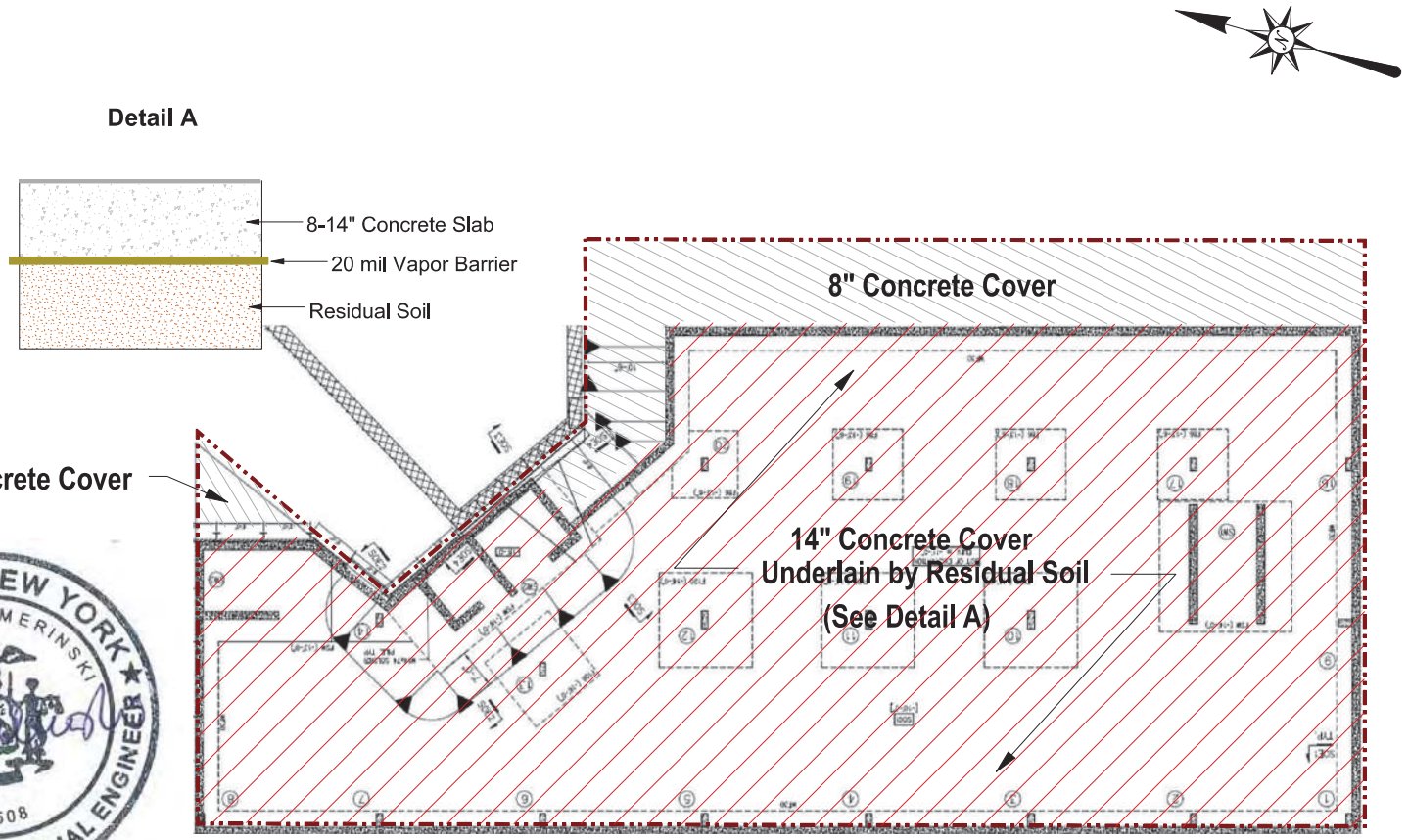
PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
ABC NY

SITE LOCATION MAP

PROJ MGR: MH	REVIEWED BY: MH	CHECKED BY: VW	FIGURE 1
DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1"=2000'	
DATE: DECEMBER, 2024	PROJECT NO. 41.0163281.00	REVISION NO. -	SHEET NO. 1 OF 1

GZA–J:\Active 163200 to 163299\163281.00 – 1107 Dekalb GWS and Periodic Review Report\Drawings\GZA CAD\163281.00.dwg [FIG 1 8.5x11] December 05, 2024 – 9:21am Selia.Gupta



KEY:

- Site Boundary
- 14" Concrete Cover
- 8" Concrete Cover

SCALE:

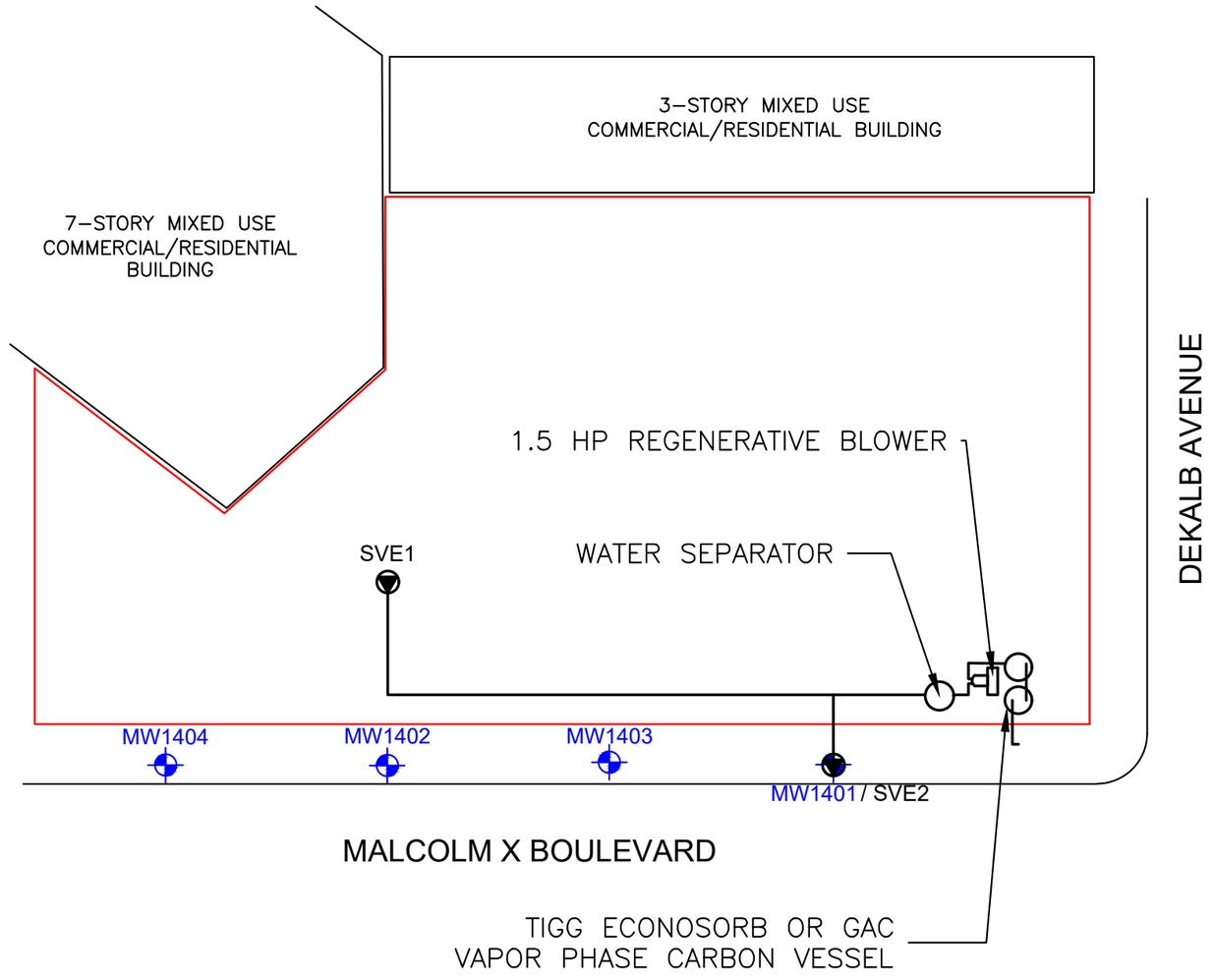
0 12.5 25

1 Inch = 25 feet

AMC Engineeting, PLLC
18-36 42nd Street
Astoria, NY 11105

Figure No. 2

Site Name: FORMER GETTY SERVICE STATION
Site Address: 1103-1107 DEKALB AVENUE, BROOKLYN, NY
Drawing Title: ENGINEERING CONTROL - SITE COVER



N E S W

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "ENGINEERING CONTROLS – SVE SYSTEM" PREPARED BY "AMC ENGINEERING, PLLC", ORIGINAL SCALE 1" = 25', DATED OCTOBER 17, 2019.
2. EXPLORATION LOCATIONS SHOWN ARE BASED ON TAPE MEASUREMENTS FROM TOPOGRAPHICAL FEATURES. THE LOCATIONS SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- MW1400 — APPROXIMATE MONITORING WELL LOCATION
- SVE1 — APPROXIMATE VAPOR EXTRACTION WELL

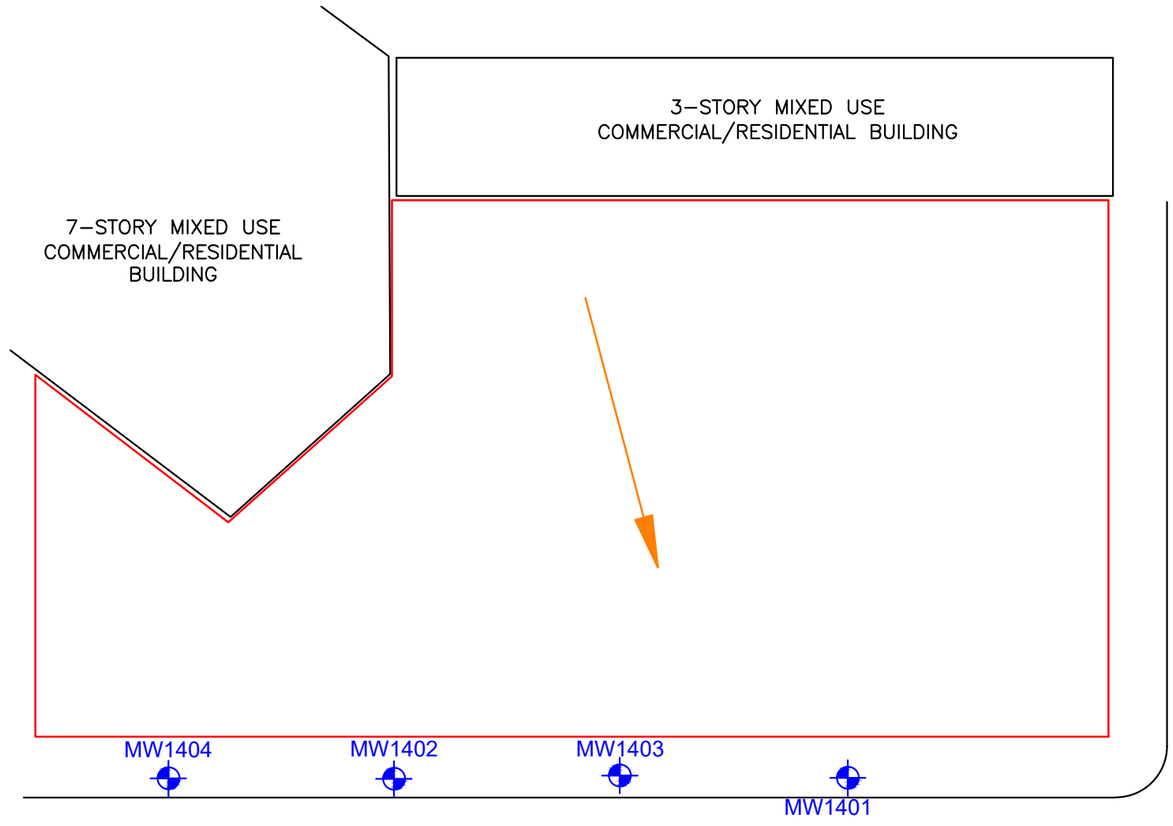
0 10 20 40
SCALE IN FEET

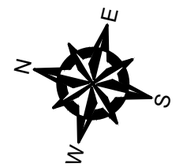
NO.	ISSUE/DESCRIPTION	BY	DATE

11-07 DEKALB AVENUE, BROOKLYN, NY

SOIL VAPOR EXTRACTION LAYOUT

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	ABC NY		
PROJ MGR: MH	REVIEWED BY: MH	CHECKED BY: VW	FIGURE 3
DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1" = 20'	
DATE: DECEMBER 2024	PROJECT NO. 41.0163281.00	REVISION NO. -	SHEET NO. 1 OF 1





GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "ENGINEERING CONTROLS – SVE SYSTEM" PREPARED BY "AMC ENGINEERING, PLLC", ORIGINAL SCALE 1" = 25', DATED OCTOBER 17, 2019.
2. EXPLORATION LOCATIONS SHOWN ARE BASED ON TAPE MEASUREMENTS FROM TOPOGRAPHICAL FEATURES. THE LOCATIONS SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- MW1400 — APPROXIMATE MONITORING WELL LOCATION
- INFERRED GROUNDWATER FLOW DIRECTION

0 10 20 40
SCALE IN FEET

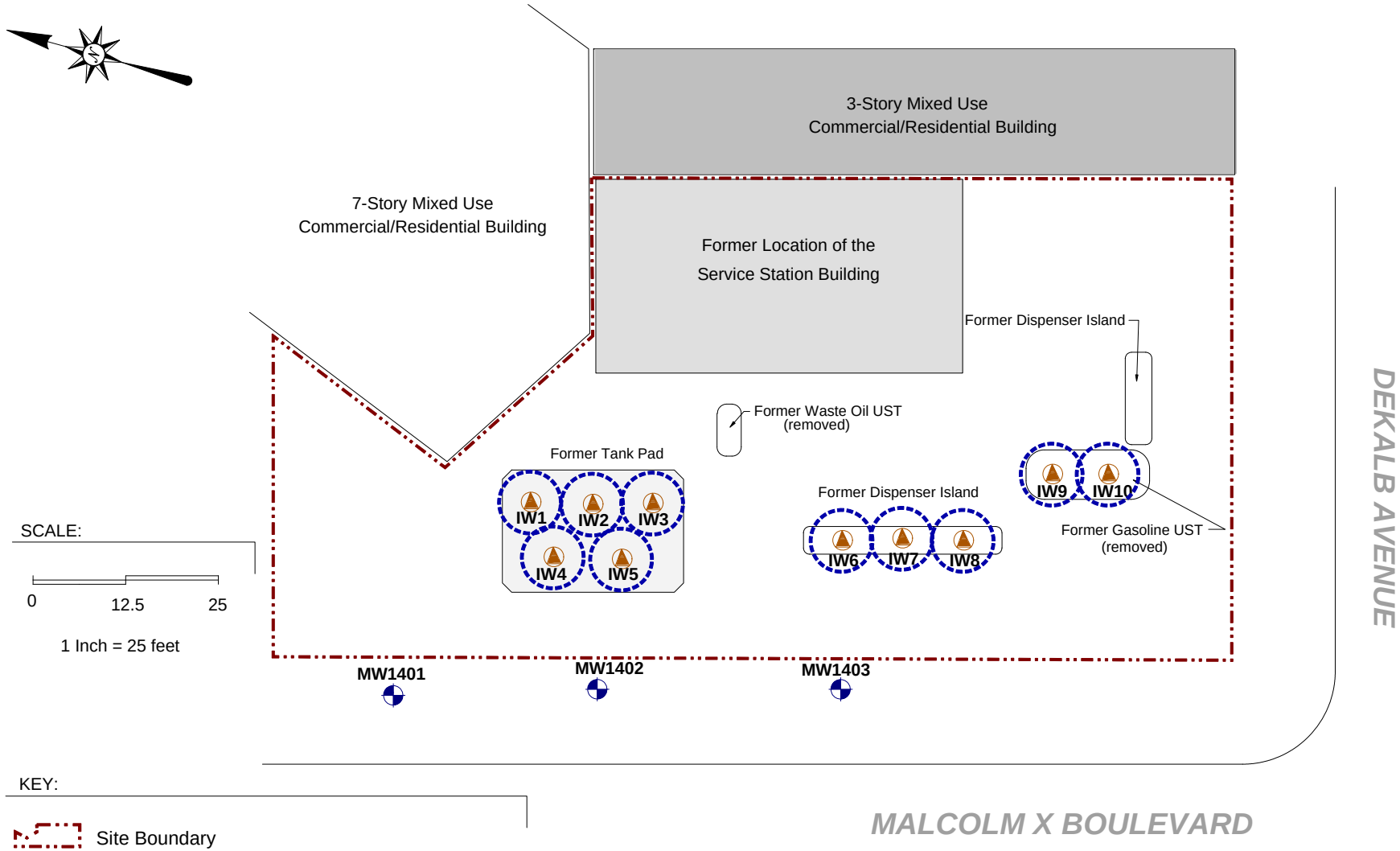
NO.	ISSUE/DESCRIPTION	BY	DATE

11-07 DEKALB AVENUE, BROOKLYN, NY

MONITORING WELL NETWORK

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: ABC NY	
PROJ MGR: MH	REVIEWED BY: MH	CHECKED BY: VW	FIGURE 4
DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1" = 20'	
DATE: DECEMBER 2024	PROJECT NO. 41.0163281.00	REVISION NO. -	SHEET NO. 1 OF 1

GZA–J:\Active 163200 to 163299\163281.00 – 1107 Dekalb GWS and Periodic Review Report\Drawings\GZA CAD\163281.00.dwg [Fig 4 – MW] December 09, 2024 – 4:01pm Selia.Gupta



KEY:

Site Boundary

MWx Performance Monitoring Well Location

IWx Chemical Injection Well / Inj. Radius

AMC Engineeting, PLLC
18-36 42nd Street
Astoria, NY 11105

Figure No. **5**

Drawing Date: 9/30/19

Site Name: FORMER GETTY SERVICE STATION

Site Address: 1103-1107 DEKALB AVENUE, BROOKLYN, NY

Drawing Title: ORIGINAL MONITORING WELL / INJECTION WELL LOCATIONS

APPENDIX A – INSPECTION CHECKLISTS, SVE FORMS, AND PHOTOLOG

SITE INSPECTION CHECKLIST

Site Inspection Checklist - Cover System
1107 DeKalb Avenue
Brooklyn, NY

Date: 6/25/24 Time: 12:20

Inspector Name/Organization: Kennedy Thomas Cancellieri / Preferred Environmental

Visual Inspection of Building's Concrete Slab

Building Interior Inspect concrete slab for cracks, perforations, patching

Describe General Condition of slab: Good

Describe and Cracks or New Penetrations: none

Describe any patching: none

Visual Inspection of Sidewalks/Paved Areas

Building Exterior Inspect concrete slab for cracks, perforations, patching

Describe General Condition of slab: Good

Describe and Cracks or New Penetrations: none

Describe any patching: none

Repairs Needed and / or Maintenance at this time?

None

Signature: Kennedy Thomas Cancellieri Date: 6/25/24

Former Getty Service Station #00564
1103-1107 Dekalb Avenue, Brooklyn, NY
SVE SYSTEM INSPECTION FORM

Date: 6/25/24 Weather: 84° Sunny

Time: 12:25 Inspector: Kennedy Thomas-Cancelleri

System Parameters	
Extraction Point	**Vacuum (iwc)**
Influent Vacuum	-4
Sample Ports	**PID (PPM)**
Before Carbon	170.0
Between Carbon	40.0
After Carbon	23.9

Inspection:	Yes / No	Comments
Blower Operating?	Yes	
Spare Carbon Drums?	No	
System Integrity?	Yes - Good	

Other Comments AND/OR ACTIONS TAKEN:

Influent Sample Collected @ 12:35

Effluent Sample Collected @ 12:37

Site Inspection Checklist - Cover System

Client: ABC NY
Site: 1107 Dekalb Avenue, Brooklyn, NY 11221
Time: 14:10, 9/24/2024

Weather: 60-70s, Cloudy, Wind: 9-11 mph from E
Inspector: Yunmee Han

Visual Inspection of the Concrete Slab of the Building

Building Interior

Describe General Condition of Slab: Good

Describe any cracks/penetration: None

Describe any patching: None

Visual Inspection of Sidewalks/Paved Areas

Building Exterior

Describe General Condition of Slab: Good

Describe any cracks/penetration: None

Describe any patching: None

Additional comments regarding repairs needed and/or maintenance at this time:

None

Signature Yunmee Han Date: 9/24/2024

Former Getty Service Station #00564
1103-1107 Dekalb Avenue, Brooklyn, NY
SVE SYSTEM INSPECTION FORM

Date: 1/25/24 Weather: Rain, 49°

Time: 10:10 Inspector: Chris Zweier

System Parameters	
Extraction Point	**Vacuum (iwc)**
Influent Vacuum	-17
Sample Ports	**PID (PPM)**
Before Carbon	72.1
Between Carbon	4.3
After Carbon	1.1

Inspection:	Yes / No	Comments
Blower Operating?	Yes	
Spare Carbon Drums?	No	
System Integrity?	Good	

Other Comments AND/OR ACTIONS TAKEN:

Influent sample collected @ 10:10

Effluent sample collected @ 10:13

SITE INSPECTION CHECKLIST

Site Inspection Checklist - Cover System
1107 DeKalb Avenue
Brooklyn, NY

Date: 1/25/24 Time: _____

Inspector Name/Organization: Chris Zwirer / Preferred Environmental

Visual Inspection of Building's Concrete Slab

Building Interior Inspect concrete slab for cracks, perforations, patching

Describe General Condition of slab: good

Describe and Cracks or New Penetrations: none

Describe any patching: none

Visual Inspection of Sidewalks/Paved Areas

Building Exterior Inspect concrete slab for cracks, perforations, patching

Describe General Condition of slab: good

Describe and Cracks or New Penetrations: none

Describe any patching: none

Repairs Needed and / or Maintenance at this time?

No maintenance needed
Blaser is on for SSDS - update FER

Signature: _____ Date: 1/25/25

FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE 1107 Dekalb Ave DATE 6/25/24

SAMPLE ID: MW-1403
WELL ID: MW-1403
SAMPLERS: YH
KTC

Time On-site: 08:50

Time Off-site:

Depth of well (from top of casing) 53.12
Initial static water level (from top of casing) 42.24

Time:
Time:

Purging Method

Airlift	___	Centrifugal	___
Bailer	___	Pos. Displ.	___
Submersible Pump	___	Disposable Bladder Pump (Low Flow)	___
Peri-Pump	✓		
Check valve	✓		

Well Volume Calculation:

2 in. casing: 10.72 ft. of water x 0.16 = 1.74 gallons
3 in. casing: ___ ft. of water x 0.36 = ___ gallons
4 in. casing: ___ ft. of water x 0.65 = ___ gallons

volume of water removed: ___ gal.

>3 volumes: yes ___ no ___

purged dry? yes ___ no ___

Field Tests

	Volume of Purge Water (in ml)	pH	Temp (°C)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
9:25	1500	6.77	21.82	2.86	21.5	0.94	211
9:30	~~3000~~ 3000	6.73	21.06	2.82	21.8	0.07	201
9:35	4500	6.68	20.99	2.62	21.8	0.35	119
9:40	6000	6.65	20.94	2.42	28.0	0.00	28.2
9:45	7500	6.79	20.93	2.79	31.5	8.57	62
9:50	9000	6.76	20.63	2.69	35.8	8.43	59
9:55	10500	6.71	20.92	2.58	33.6	8.21	48

Sampling

Time of Sample Collection: 0955

Method:
- ___ Stainless steel bailer
- ___ Teflon bailer
- ___ Pos. Disp. Pump
- ___ Disposable bailer
- ___ Dedicated pump
- ___ Other: Disposable Bladder Pump (Low Flow)

Analyses:
- ___ TCL VOCs 602 ___ 503 ___ Other ___
- ___ TCL SVOCs
- ___ Target Analyte List Metals
- ___ Alkalinity

Observations

Weather/Temperature: 80s, Sunny
Sample description: Clear

Free Product? yes ___ no X describe ___
Sheen? yes ___ no X describe ___
Odor? yes ___ no X describe ___

Comments:

MS/MSD collected

Final Depth 42.22
gw

FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE 1107 Dekalb Ave DATE 06/25/24

SAMPLE ID: MW-140 2
WELL ID: MW-140 2
SAMPLERS: YH
LTC

Time On-site: 10:38
10:338

Time Off-site:

Depth of well (from top of casing) ..... 52.41 Time:
Initial static water level (from top of casing) ..... 42.83 Time:

Purging Method

Airlift	___	Centrifugal	___
Bailer	___	Pos. Displ.	___
Submersible Pump	___	Disposable Bladder Pump (Low Flow)	___
Peri pump	✓		
check valve	✓		

Well Volume Calculation:

2 in. casing: _____ ft. of water x 0.16 = _____ gallons
3 in. casing: _____ ft. of water x 0.36 = _____ gallons
4 in. casing: _____ ft. of water x 0.65 = _____ gallons

1in casing 1 volume = 0.39 gal
3 volumes = 1.17 gal

volume of water removed: _____ gal. >3 volumes: yes ___ no ___ purged dry? yes ___ no ___

Field Tests

	Volume of Purge Water (in ml)	pH	Temp (°C)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
10:52	0	7.24	25.04	0.690	93.4	6.53	-97
10:57	1500	7.15	22.88	0.610	74.2	5.90	-85
11:02	3000	7.15	23.02	0.604	74.5	5.20	-86
11:07	4500	7.17	20.94	0.614	75.0	4.88	-88
11:12	6000	7.18	20.90	0.622	67.7	4.85	-89
11:17	7500	7.18	20.68	0.633	61.7	4.55	-90
11:22	9000	7.18	20.68	0.633	56.9	4.32	-90

Sampling

Time of Sample Collection: 11:22

Method:
- ___ Stainless steel bailer
- ___ Teflon bailer
- ___ Pos. Disp. Pump
- ___ Disposable bailer
- ___ Dedicated pump
- ___ Other: Disposable Bladder Pump (Low Flow)

Analyses:
- ___ TCL VOCs 602 _____ 503 _____ Other _____
- ___ TCL SVOCs
- ___ Target Analyte List Metals
- ___ Alkalinity

Observations

Weather/Temperature: 83° Sunny
Sample description: Clear
Free Product? yes ___ no X describe _____
Sheen? yes ___ no X describe _____
Odor? yes X no ___ describe slight gasoline odor

Comments:

Duplicate MW-00X Collected

Final depth 42.83

SITE INSPECTION CHECKLIST

Site Inspection Checklist - Cover System
1107 DeKalb Avenue
Brooklyn, NY

Date: 6/25/24 Time: 12:20

Inspector Name/Organization: Kennedy Thomas Cancellieri / Preferred Environmental

Visual Inspection of Building's Concrete Slab

Building Interior Inspect concrete slab for cracks, perforations, patching

Describe General Condition of slab: Good

Describe and Cracks or New Penetrations: none

Describe any patching: none

Visual Inspection of Sidewalks/Paved Areas

Building Exterior Inspect concrete slab for cracks, perforations, patching

Describe General Condition of slab: Good

Describe and Cracks or New Penetrations: none

Describe any patching: none

Repairs Needed and / or Maintenance at this time?

None

Signature: Kennedy Thomas Cancellieri Date: 6/25/24

Former Getty Service Station #00564
1103-1107 Dekalb Avenue, Brooklyn, NY
SVE SYSTEM INSPECTION FORM

Date: 6/25/24 Weather: 84° Sunny

Time: 12:25 Inspector: Kennedy Thomas-Cancelleri

System Parameters	
Extraction Point	**Vacuum (iwc)**
Influent Vacuum	-4
Sample Ports	**PID (PPM)**
Before Carbon	170.0
Between Carbon	40.0
After Carbon	23.9

Inspection:	Yes / No	Comments
Blower Operating?	Yes	
Spare Carbon Drums?	No	
System Integrity?	Yes - Good	

Other Comments AND/OR ACTIONS TAKEN:

Influent Sample Collected @ 12:35

Effluent Sample Collected @ 12:37

Site Inspection Checklist - Cover System

Client: ABC NY
Site: 1107 Dekalb Avenue, Brooklyn, NY 11221
Time: 14:10, 9/24/2024

Weather: 60-70s, Cloudy, Wind: 9-11 mph from E
Inspector: Yunmee Han

Visual Inspection of the Concrete Slab of the Building

Building Interior

Describe General Condition of Slab: Good

Describe any cracks/penetration: None

Describe any patching: None

Visual Inspection of Sidewalks/Paved Areas

Building Exterior

Describe General Condition of Slab: Good

Describe any cracks/penetration: None

Describe any patching: None

Additional comments regarding repairs needed and/or maintenance at this time:

None

Signature Yunmee Han Date: 9/24/2024

Photographic Log

Client Name:	Subject Property Location:	Project No.
ABC NY	1107 Dekalb Avenue, Brooklyn, NY	41.0163281.00

Photo No.	Date:
1	6/25/24

Direction Photo Taken:
East

Description:
SVE System - Influent

Photo No.	Date:
2	6/25/24

Direction Photo Taken:
North

Description:
SVE System - Effluent

Photographic Log

Client Name:	Subject Property Location:	Project No.
ABC NY	434 Riverdale Avenue, Brooklyn, NY	41.0163368.00

Photo No.	Date:
3	6/25/24

Direction Photo Taken:
East

Description:
SVE vacuum gauge

Photo No.	Date:
4	6/25/24

Direction Photo Taken:
South

Description:
SVE system gauge

Photographic Log

Client Name:	Subject Property Location:	Project No.
ABC NY	1107 Dekalb Avenue, Brooklyn, NY	41.0163281.00

Photo No.	Date:
5	9/24/24

Direction Photo Taken:
North

Description:
Collection of SVE soil vapor sample.

Photo No.	Date:
6	9/24/24

Direction Photo Taken:
Southwest

Description:
Groundwater sampling during September 2024.

Photographic Log

Client Name:	Subject Property Location:	Project No.
ABC NY	1107 Dekalb Avenue, Brooklyn, NY	41.0163281.00

Photo No.	Date:
7	10/25/24

Direction Photo Taken:
East

Description:
Installation of new groundwater monitoring well MW-1404.

Photo No.	Date:
8	10/25/24

Direction Photo Taken:
Northeast

Description:
Installation of MW-1404 with flush mount cover.

APPENDIX B – LABORATORY REPORTS: GROUNDWATER

PHOENIX
Environmental Laboratories, Inc.

Tuesday, February 06, 2024

Attn: Mr. William J. Schlageter
Preferred Environmental Services
323 Merrick Avenue
North Merrick, New York 11566

Project ID: **1107 DEKALB AVENUE**
SDG ID: **GCP96008**
Sample ID#s: CP96008 - CP96011

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

February 06, 2024

SDG I.D.: GCP96008

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus forms.

Version 2: Complete report with QC and forms.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Sample Id Cross Reference

February 06, 2024

SDG I.D.: GCP96008

Project ID: 1107 DEKALB AVENUE

Client Id	Lab Id	Matrix
MW-1402	CP96008	GROUND WATER
MW-1403	CP96009	GROUND WATER
INFLUENT	CP96010	TEDLAR BAG
EFFLUENT	CP96011	TEDLAR BAG

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2024

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
323 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		01/25/24	9:52
Location Code:	PREFRDNY	Received by:	B	01/26/24	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCP96008
Phoenix ID: CP96008

Project ID: 1107 DEKALB AVENUE
Client ID: MW-1402

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1,1-Trichloroethane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1,2,2-Tetrachloroethane	ND	0.50	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1-Dichloroethane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,4-Trimethylbenzene	210	10	2.5	ug/L	10	01/27/24	MH	SW8260D	
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,3,5-Trimethylbenzene	39	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
2-Hexanone	ND	5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	
2-Isopropyltoluene	1.1	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
4-Methyl-2-pentanone	ND	5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	

Project ID: 1107 DEKALB AVENUE
Client ID: MW-1402

Phoenix I.D.: CP96008

Parameter	Result		ppbv RL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		25	2.5	ug/L	1	01/27/24	MH	SW8260D	
Acrylonitrile	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Benzene	0.63	J	0.70	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromochloromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromodichloromethane	ND		0.50	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromoform	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromomethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	B
Carbon Disulfide	ND		5.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloroform	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
cis-1,2-Dichloroethene	10		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	01/27/24	MH	SW8260D	
Dibromochloromethane	ND		0.50	0.25	ug/L	1	01/27/24	MH	SW8260D	
Dibromomethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Ethylbenzene	250		10	2.5	ug/L	10	01/27/24	MH	SW8260D	
Hexachlorobutadiene	ND		0.40	0.25	ug/L	1	01/27/24	MH	SW8260D	
Isopropylbenzene	50		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
m&p-Xylene	260		10	2.5	ug/L	10	01/27/24	MH	SW8260D	
Methyl ethyl ketone	ND		5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Methylene chloride	ND		1.0	1.0	ug/L	1	01/27/24	MH	SW8260D	
Naphthalene	44		1.0	1.0	ug/L	1	01/27/24	MH	SW8260D	
n-Butylbenzene	3.3		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
n-Propylbenzene	91		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
o-Xylene	1.8		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
p-Isopropyltoluene	0.74	J	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
sec-Butylbenzene	5.8		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Styrene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Tetrahydrofuran (THF)	ND		2.5	2.5	ug/L	1	01/27/24	MH	SW8260D	1
Toluene	5.8		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Total Xylenes	261.8		1.0	1.0	ug/L	1	01/27/24	MH	SW8260D	
trans-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	01/27/24	MH	SW8260D	
trans-1,4-dichloro-2-butene	ND		5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	
Trichloroethene	3.7		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Vinyl chloride	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	102				%	1	01/27/24	MH	70 - 130 %	
% Bromofluorobenzene	96				%	1	01/27/24	MH	70 - 130 %	
% Dibromofluoromethane	100				%	1	01/27/24	MH	70 - 130 %	

Ver 1

Project ID: 1107 DEKALB AVENUE
Client ID: MW-1402

Phoenix I.D.: CP96008

Parameter	Result		ppbv RL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	103				%	1	01/27/24	MH	70 - 130 %	
% 1,2-dichlorobenzene-d4 (10x)	102				%	10	01/27/24	MH	70 - 130 %	
% Bromofluorobenzene (10x)	94				%	10	01/27/24	MH	70 - 130 %	
% Dibromofluoromethane (10x)	102				%	10	01/27/24	MH	70 - 130 %	
% Toluene-d8 (10x)	103				%	10	01/27/24	MH	70 - 130 %	
1,4-dioxane										
1,4-dioxane	ND		100	50	ug/l	1	01/27/24	MH	SW8260D	
Volatiles										
1,1,1-Trichloroethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1,2-Trichloroethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1-Dichloroethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dibromo-3-chloropropane	ND		1.0	0.50	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dibromoethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichlorobenzene	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichloroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,3-Dichlorobenzene	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,4-Dichlorobenzene	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
2-Hexanone	ND		2.5	2.5	ug/L	1	01/27/24	MH	SW8260D	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	01/27/24	MH	SW8260D	
Acetone	ND		5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	
Benzene	0.63	J	0.70	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromochloromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromoform	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromomethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	B
Carbon Disulfide	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chlorobenzene	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloroethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloroform	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloromethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
cis-1,2-Dichloroethene	10		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	01/27/24	MH	SW8260D	
Cyclohexane	9.4		5.0	0.50	ug/L	1	01/27/24	MH	SW8260D	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Ethylbenzene	250		10	2.5	ug/L	10	01/27/24	MH	SW8260D	
Isopropylbenzene	50		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
m&p-Xylene	260		10	2.5	ug/L	10	01/27/24	MH	SW8260D	
Methyl ethyl ketone	ND		5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Methylacetate	ND		2.5	2.5	ug/L	1	01/27/24	MH	SW8260D	
Methylcyclohexane	17		2.0	0.50	ug/L	1	01/27/24	MH	SW8260D	

Project ID: 1107 DEKALB AVENUE
Client ID: MW-1402

Phoenix I.D.: CP96008

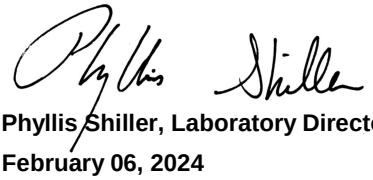
Parameter	Result	ppbv RL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	3.0	1.0	ug/L	1	01/27/24	MH	SW8260D
o-Xylene	1.8	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Styrene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Tetrachloroethene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Toluene	5.8	2.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Total Xylenes	261.8	1.0	1.0	ug/L	1	01/27/24	MH	SW8260D
trans-1,2-Dichloroethene	ND	2.0	0.25	ug/L	1	01/27/24	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	01/27/24	MH	SW8260D
Trichloroethene	3.7	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Vinyl chloride	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	1	01/27/24	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	01/27/24	MH	70 - 130 %
% Dibromofluoromethane	100			%	1	01/27/24	MH	70 - 130 %
% Toluene-d8	103			%	1	01/27/24	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (10x)	102			%	10	01/27/24	MH	70 - 130 %
% Bromofluorobenzene (10x)	94			%	10	01/27/24	MH	70 - 130 %
% Dibromofluoromethane (10x)	102			%	10	01/27/24	MH	70 - 130 %
% Toluene-d8 (10x)	103			%	10	01/27/24	MH	70 - 130 %
Volatile Library Search Top 10	Completed					01/29/24	MH	

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
February 06, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2024

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
323 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		01/25/24	9:09
Location Code:	PREFRDNY	Received by:	B	01/26/24	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCP96008
Phoenix ID: CP96009

Project ID: 1107 DEKALB AVENUE
Client ID: MW-1403

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1,1-Trichloroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1,2,2-Tetrachloroethane	ND		0.50	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1-Dichloroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,3-Trichloropropane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,4-Trimethylbenzene	0.75	J	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dibromo-3-chloropropane	ND		1.0	0.50	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dibromoethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichloroethane	ND		0.60	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,3,5-Trimethylbenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
2-Hexanone	ND		5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	
2-Isopropyltoluene	0.31	J	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
4-Methyl-2-pentanone	ND		5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	

Project ID: 1107 DEKALB AVENUE
Client ID: MW-1403

Phoenix I.D.: CP96009

Parameter	Result		ppbv RL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		25	2.5	ug/L	1	01/27/24	MH	SW8260D	
Acrylonitrile	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Benzene	ND		0.70	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromochloromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromodichloromethane	ND		0.50	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromoform	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromomethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	B
Carbon Disulfide	ND		5.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloroform	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
cis-1,2-Dichloroethene	2.1		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	01/27/24	MH	SW8260D	
Dibromochloromethane	ND		0.50	0.25	ug/L	1	01/27/24	MH	SW8260D	
Dibromomethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Ethylbenzene	2.1		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Hexachlorobutadiene	ND		0.40	0.25	ug/L	1	01/27/24	MH	SW8260D	
Isopropylbenzene	6.0		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
m&p-Xylene	0.40	J	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Methyl ethyl ketone	ND		5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Methylene chloride	ND		1.0	1.0	ug/L	1	01/27/24	MH	SW8260D	
Naphthalene	ND		1.0	1.0	ug/L	1	01/27/24	MH	SW8260D	
n-Butylbenzene	1.2		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
n-Propylbenzene	4.9		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
o-Xylene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
p-Isopropyltoluene	0.25	J	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
sec-Butylbenzene	3.7		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Styrene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Tetrachloroethene	0.43	J	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Tetrahydrofuran (THF)	ND		2.5	2.5	ug/L	1	01/27/24	MH	SW8260D	1
Toluene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Total Xylenes	ND		1.0	1.0	ug/L	1	01/27/24	MH	SW8260D	
trans-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	01/27/24	MH	SW8260D	
trans-1,4-dichloro-2-butene	ND		5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	
Trichloroethene	2.5		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Vinyl chloride	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	102				%	1	01/27/24	MH	70 - 130 %	
% Bromofluorobenzene	96				%	1	01/27/24	MH	70 - 130 %	
% Dibromofluoromethane	101				%	1	01/27/24	MH	70 - 130 %	

Project ID: 1107 DEKALB AVENUE
Client ID: MW-1403

Phoenix I.D.: CP96009

Parameter	Result		ppbv RL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	102				%	1	01/27/24	MH	70 - 130 %	
1,4-dioxane										
1,4-dioxane	ND		100	50	ug/l	1	01/27/24	MH	SW8260D	
Volatiles										
1,1,1-Trichloroethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1,2-Trichloroethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1-Dichloroethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dibromo-3-chloropropane	ND		1.0	0.50	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dibromoethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichlorobenzene	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichloroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,3-Dichlorobenzene	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,4-Dichlorobenzene	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
2-Hexanone	ND		2.5	2.5	ug/L	1	01/27/24	MH	SW8260D	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	01/27/24	MH	SW8260D	
Acetone	ND		5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	
Benzene	ND		0.70	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromochloromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromoform	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromomethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	B
Carbon Disulfide	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chlorobenzene	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloroethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloroform	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloromethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
cis-1,2-Dichloroethene	2.1		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	01/27/24	MH	SW8260D	
Cyclohexane	3.3	J	5.0	0.50	ug/L	1	01/27/24	MH	SW8260D	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Ethylbenzene	2.1		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Isopropylbenzene	6.0		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
m&p-Xylene	0.40	J	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Methyl ethyl ketone	ND		5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Methylacetate	ND		2.5	2.5	ug/L	1	01/27/24	MH	SW8260D	
Methylcyclohexane	ND		2.0	0.50	ug/L	1	01/27/24	MH	SW8260D	
Methylene chloride	ND		3.0	1.0	ug/L	1	01/27/24	MH	SW8260D	
o-Xylene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Styrene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Tetrachloroethene	0.43	J	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	

Project ID: 1107 DEKALB AVENUE
Client ID: MW-1403

Phoenix I.D.: CP96009

Parameter	Result	ppbv RL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	2.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Total Xylenes	ND	1.0	1.0	ug/L	1	01/27/24	MH	SW8260D
trans-1,2-Dichloroethene	ND	2.0	0.25	ug/L	1	01/27/24	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	01/27/24	MH	SW8260D
Trichloroethene	2.5	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Vinyl chloride	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	1	01/27/24	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	01/27/24	MH	70 - 130 %
% Dibromofluoromethane	101			%	1	01/27/24	MH	70 - 130 %
% Toluene-d8	102			%	1	01/27/24	MH	70 - 130 %
Volatile Library Search Top 10	Completed					01/29/24	MH	

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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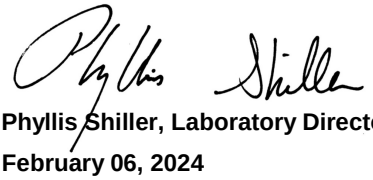
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

February 06, 2024

Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

February 06, 2024

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
323 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	TEDLAR BAG	Collected by:		01/25/24	10:10
Location Code:	PREFRDNY	Received by:	B	01/26/24	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCP96008
Phoenix ID: CP96010

Project ID: 1107 DEKALB AVENUE
Client ID: INFLUENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.729*	0.729	ND	*5.00*	5.00	01/29/24	KCA	5	1
1,1,1-Trichloroethane	ND	*0.917*	0.917	ND	*5.00*	5.00	01/29/24	KCA	5	1
1,1,2,2-Tetrachloroethane	ND	*0.729*	0.729	ND	*5.00*	5.00	01/29/24	KCA	5	1
1,1,2-Trichloroethane	ND	*0.917*	0.917	ND	*5.00*	5.00	01/29/24	KCA	5	1
1,1-Dichloroethane	ND	*1.24*	1.24	ND	*5.02*	5.02	01/29/24	KCA	5	1
1,1-Dichloroethene	ND	*1.26*	1.26	ND	*4.99*	4.99	01/29/24	KCA	5	1
1,2,4-Trimethylbenzene	ND	*1.02*	1.02	ND	*5.01*	5.01	01/29/24	KCA	5	1
1,2-Dibromoethane(EDB)	ND	*0.651*	0.651	ND	*5.00*	5.00	01/29/24	KCA	5	1
1,2-Dichloroethane	ND	*1.24*	1.24	ND	*5.02*	5.02	01/29/24	KCA	5	1
1,2-dichloropropane	ND	*1.08*	1.08	ND	*4.99*	4.99	01/29/24	KCA	5	1
1,2-Dichlorotetrafluoroethane	ND	*0.716*	0.716	ND	*5.00*	5.00	01/29/24	KCA	5	1
1,3,5-Trimethylbenzene	ND	*1.02*	1.02	ND	*5.01*	5.01	01/29/24	KCA	5	1
1,3-Butadiene	ND	*2.26*	2.26	ND	*5.00*	5.00	01/29/24	KCA	5	1
1,4-Dioxane	ND	*1.39*	1.39	ND	*5.01*	5.01	01/29/24	KCA	5	1
2-Hexanone(MBK)	ND	*1.22*	1.22	ND	*4.99*	4.99	01/29/24	KCA	5	1
4-Ethyltoluene	ND	*1.02*	1.02	ND	*5.01*	5.01	01/29/24	KCA	5	1
4-Isopropyltoluene	ND	*0.911*	0.911	ND	*5.00*	5.00	01/29/24	KCA	5	1
4-Methyl-2-pentanone(MIBK)	ND	*1.22*	1.22	ND	*4.99*	4.99	01/29/24	KCA	5	1
Acetone	9.59	*2.11*	2.11	22.8	*5.01*	5.01	01/29/24	KCA	5	1
Acrylonitrile	ND	*2.31*	2.31	ND	*5.01*	5.01	01/29/24	KCA	5	1
Benzene	ND	*1.57*	1.57	ND	*5.01*	5.01	01/29/24	KCA	5	1
Bromodichloromethane	ND	*0.747*	0.747	ND	*5.00*	5.00	01/29/24	KCA	5	1
Bromoform	ND	*0.484*	0.484	ND	*5.00*	5.00	01/29/24	KCA	5	1
Bromomethane	ND	*1.29*	1.29	ND	*5.01*	5.01	01/29/24	KCA	5	1
Carbon Disulfide	ND	*1.61*	1.61	ND	*5.01*	5.01	01/29/24	KCA	5	1
Carbon Tetrachloride	ND	*0.198*	0.198	ND	*1.24*	1.24	01/29/24	KCA	5	1

Project ID: 1107 DEKALB AVENUE
Client ID: INFLUENT

Phoenix I.D.: CP96010

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Chlorobenzene	ND	*1.09*	1.09	ND	*5.01*	5.01	01/29/24	KCA	5	1
Chloroethane	ND	*1.90*	1.90	ND	*5.01*	5.01	01/29/24	KCA	5	1
Chloroform	19.2	*1.02*	1.02	93.7	*4.98*	4.98	01/29/24	KCA	5	1
Chloromethane	ND	*2.42*	2.42	ND	*4.99*	4.99	01/29/24	KCA	5	1
Cis-1,2-Dichloroethene	ND	*1.26*	1.26	ND	*4.99*	4.99	01/29/24	KCA	5	1
cis-1,3-Dichloropropene	ND	*1.10*	1.10	ND	*4.99*	4.99	01/29/24	KCA	5	1
Cyclohexane	ND	*1.45*	1.45	ND	*4.99*	4.99	01/29/24	KCA	5	1
Dibromochloromethane	ND	*0.587*	0.587	ND	*5.00*	5.00	01/29/24	KCA	5	1
Dichlorodifluoromethane	ND	*1.01*	1.01	ND	*4.99*	4.99	01/29/24	KCA	5	1
Ethanol	195	*2.66*	2.66	367	*5.01*	5.01	01/29/24	KCA	5	1
Ethyl acetate	ND	*1.39*	1.39	ND	*5.01*	5.01	01/29/24	KCA	5	1
Ethylbenzene	ND	*1.15*	1.15	ND	*4.99*	4.99	01/29/24	KCA	5	1
Heptane	ND	*1.22*	1.22	ND	*5.00*	5.00	01/29/24	KCA	5	1
Hexachlorobutadiene	ND	*0.469*	0.469	ND	*5.00*	5.00	01/29/24	KCA	5	1
Hexane	ND	*1.42*	1.42	ND	*5.00*	5.00	01/29/24	KCA	5	1
Isopropylalcohol	5.40	*2.04*	2.04	13.3	*5.01*	5.01	01/29/24	KCA	5	1
Isopropylbenzene	ND	*1.02*	1.02	ND	*5.01*	5.01	01/29/24	KCA	5	1
m,p-Xylene	1.35	*1.15*	1.15	5.86	*4.99*	4.99	01/29/24	KCA	5	1
Methyl Ethyl Ketone	ND	*1.70*	1.70	ND	*5.01*	5.01	01/29/24	KCA	5	1
Methyl tert-butyl ether(MTBE)	ND	*1.39*	1.39	ND	*5.01*	5.01	01/29/24	KCA	5	1
Methylene Chloride	ND	*1.44*	1.44	ND	*5.00*	5.00	01/29/24	KCA	5	1
n-Butylbenzene	ND	*0.911*	0.911	ND	*5.00*	5.00	01/29/24	KCA	5	1
o-Xylene	ND	*1.15*	1.15	ND	*4.99*	4.99	01/29/24	KCA	5	1
Propylene	ND	*2.91*	2.91	ND	*5.01*	5.01	01/29/24	KCA	5	1
sec-Butylbenzene	ND	*0.911*	0.911	ND	*5.00*	5.00	01/29/24	KCA	5	1
Tetrachloroethene	347	*0.369*	0.369	2350	*2.50*	2.50	01/30/24	KCA	10	1
Tetrahydrofuran	ND	*1.70*	1.70	ND	*5.01*	5.01	01/29/24	KCA	5	1
Toluene	ND	*1.33*	1.33	ND	*5.01*	5.01	01/29/24	KCA	5	1
Trans-1,2-Dichloroethene	ND	*1.26*	1.26	ND	*4.99*	4.99	01/29/24	KCA	5	1
Trichloroethene	16.8	*0.233*	0.233	90.2	*1.25*	1.25	01/29/24	KCA	5	1
Trichlorofluoromethane	1.05	*0.891*	0.891	5.90	*5.00*	5.00	01/29/24	KCA	5	1
Trichlorotrifluoroethane	ND	*0.653*	0.653	ND	*5.00*	5.00	01/29/24	KCA	5	1
Vinyl Chloride	ND	*0.489*	0.489	ND	*1.25*	1.25	01/29/24	KCA	5	1
QA/QC Surrogates/Internals										
% Bromofluorobenzene (5x)	103	*%*	%	103	*%*	%	01/29/24	KCA	5	
% IS-1,4-Difluorobenzene (5x)	85	*%*	%	85	*%*	%	01/29/24	KCA	5	
% IS-Bromochloromethane (5x)	110	*%*	%	110	*%*	%	01/29/24	KCA	5	
% IS-Chlorobenzene-d5 (5x)	84	*%*	%	84	*%*	%	01/29/24	KCA	5	
% Bromofluorobenzene (10x)	97	*%*	%	97	*%*	%	01/30/24	KCA	10	
% IS-1,4-Difluorobenzene (10x)	99	*%*	%	99	*%*	%	01/30/24	KCA	10	
% IS-Bromochloromethane (10x)	99	*%*	%	99	*%*	%	01/30/24	KCA	10	
% IS-Chlorobenzene-d5 (10x)	102	*%*	%	102	*%*	%	01/30/24	KCA	10	

Project ID: 1107 DEKALB AVENUE
Client ID: INFLUENT

Phoenix I.D.: CP96010

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

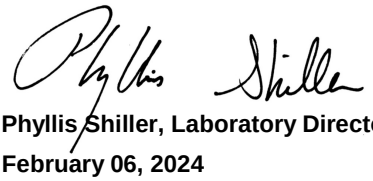
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

This sample was collected using a Tedlar airbag, possible low bias.
1 = not certified by NY NELAC. NY NELAC does not offer certification for samples received in Tedlar bags for EPA TO-15
The specified sampling device for EPA TO15 is a summa canister.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

February 06, 2024

Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

February 06, 2024

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
323 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	TEDLAR BAG	Collected by:		01/25/24	10:13
Location Code:	PREFRDNY	Received by:	B	01/26/24	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCP96008
Phoenix ID: CP96011

Project ID: 1107 DEKALB AVENUE
Client ID: EFFLUENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*1.46*	1.46	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,1,1-Trichloroethane	ND	*1.83*	1.83	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,1,2,2-Tetrachloroethane	ND	*1.46*	1.46	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,1,2-Trichloroethane	ND	*1.83*	1.83	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,1-Dichloroethane	ND	*2.47*	2.47	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,1-Dichloroethene	ND	*2.52*	2.52	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,2,4-Trimethylbenzene	ND	*2.04*	2.04	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,2-Dibromoethane(EDB)	ND	*1.30*	1.30	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,2-Dichloroethane	ND	*2.47*	2.47	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,2-dichloropropane	ND	*2.17*	2.17	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,2-Dichlorotetrafluoroethane	ND	*1.43*	1.43	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,3,5-Trimethylbenzene	ND	*2.04*	2.04	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,3-Butadiene	ND	*4.52*	4.52	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,4-Dioxane	ND	*2.78*	2.78	ND	*10.0*	10.0	01/29/24	KCA	10	1
2-Hexanone(MBK)	ND	*2.44*	2.44	ND	*10.0*	10.0	01/29/24	KCA	10	1
4-Ethyltoluene	ND	*2.04*	2.04	ND	*10.0*	10.0	01/29/24	KCA	10	1
4-Isopropyltoluene	ND	*1.82*	1.82	ND	*10.0*	10.0	01/29/24	KCA	10	1
4-Methyl-2-pentanone(MIBK)	ND	*2.44*	2.44	ND	*10.0*	10.0	01/29/24	KCA	10	1
Acetone	5.51	*4.21*	4.21	13.1	*10.0*	10.0	01/29/24	KCA	10	1
Acrylonitrile	ND	*4.61*	4.61	ND	*10.0*	10.0	01/29/24	KCA	10	1
Benzene	ND	*3.13*	3.13	ND	*10.0*	10.0	01/29/24	KCA	10	1
Bromodichloromethane	ND	*1.49*	1.49	ND	*10.0*	10.0	01/29/24	KCA	10	1
Bromoform	ND	*0.968*	0.968	ND	*10.0*	10.0	01/29/24	KCA	10	1
Bromomethane	ND	*2.58*	2.58	ND	*10.0*	10.0	01/29/24	KCA	10	1
Carbon Disulfide	ND	*3.21*	3.21	ND	*10.0*	10.0	01/29/24	KCA	10	1
Carbon Tetrachloride	ND	*0.397*	0.397	ND	*2.50*	2.50	01/29/24	KCA	10	1

Project ID: 1107 DEKALB AVENUE
Client ID: EFFLUENT

Phoenix I.D.: CP96011

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Chlorobenzene	ND	*2.17*	2.17	ND	*10.0*	10.0	01/29/24	KCA	10	1
Chloroethane	ND	*3.79*	3.79	ND	*10.0*	10.0	01/29/24	KCA	10	1
Chloroform	14.7	*2.05*	2.05	71.7	*10.0*	10.0	01/29/24	KCA	10	1
Chloromethane	ND	*4.85*	4.85	ND	*10.0*	10.0	01/29/24	KCA	10	1
Cis-1,2-Dichloroethene	ND	*2.52*	2.52	ND	*10.0*	10.0	01/29/24	KCA	10	1
cis-1,3-Dichloropropene	ND	*2.20*	2.20	ND	*10.0*	10.0	01/29/24	KCA	10	1
Cyclohexane	ND	*2.91*	2.91	ND	*10.0*	10.0	01/29/24	KCA	10	1
Dibromochloromethane	ND	*1.17*	1.17	ND	*10.0*	10.0	01/29/24	KCA	10	1
Dichlorodifluoromethane	ND	*2.02*	2.02	ND	*10.0*	10.0	01/29/24	KCA	10	1
Ethanol	139	*5.31*	5.31	262	*10.0*	10.0	01/29/24	KCA	10	1
Ethyl acetate	ND	*2.78*	2.78	ND	*10.0*	10.0	01/29/24	KCA	10	1
Ethylbenzene	ND	*2.30*	2.30	ND	*10.0*	10.0	01/29/24	KCA	10	1
Heptane	ND	*2.44*	2.44	ND	*10.0*	10.0	01/29/24	KCA	10	1
Hexachlorobutadiene	ND	*0.938*	0.938	ND	*10.0*	10.0	01/29/24	KCA	10	1
Hexane	ND	*2.84*	2.84	ND	*10.0*	10.0	01/29/24	KCA	10	1
Isopropylalcohol	ND	*4.07*	4.07	ND	*10.0*	10.0	01/29/24	KCA	10	1
Isopropylbenzene	ND	*2.04*	2.04	ND	*10.0*	10.0	01/29/24	KCA	10	1
m,p-Xylene	ND	*2.30*	2.30	ND	*10.0*	10.0	01/29/24	KCA	10	1
Methyl Ethyl Ketone	ND	*3.39*	3.39	ND	*10.0*	10.0	01/29/24	KCA	10	1
Methyl tert-butyl ether(MTBE)	ND	*2.78*	2.78	ND	*10.0*	10.0	01/29/24	KCA	10	1
Methylene Chloride	ND	*2.88*	2.88	ND	*10.0*	10.0	01/29/24	KCA	10	1
n-Butylbenzene	ND	*1.82*	1.82	ND	*10.0*	10.0	01/29/24	KCA	10	1
o-Xylene	ND	*2.30*	2.30	ND	*10.0*	10.0	01/29/24	KCA	10	1
Propylene	ND	*5.81*	5.81	ND	*10.0*	10.0	01/29/24	KCA	10	1
sec-Butylbenzene	ND	*1.82*	1.82	ND	*10.0*	10.0	01/29/24	KCA	10	1
Tetrachloroethene	125	*0.369*	0.369	847	*2.50*	2.50	01/29/24	KCA	10	1
Tetrahydrofuran	ND	*3.39*	3.39	ND	*10.0*	10.0	01/29/24	KCA	10	1
Toluene	ND	*2.66*	2.66	ND	*10.0*	10.0	01/29/24	KCA	10	1
Trans-1,2-Dichloroethene	ND	*2.52*	2.52	ND	*10.0*	10.0	01/29/24	KCA	10	1
Trichloroethene	3.16	*0.466*	0.466	17.0	*2.50*	2.50	01/29/24	KCA	10	1
Trichlorofluoromethane	3.22	*1.78*	1.78	18.1	*10.0*	10.0	01/29/24	KCA	10	1
Trichlorotrifluoroethane	ND	*1.31*	1.31	ND	*10.0*	10.0	01/29/24	KCA	10	1
Vinyl Chloride	ND	*0.979*	0.979	ND	*2.50*	2.50	01/29/24	KCA	10	1
QA/QC Surrogates/Internals										
% Bromofluorobenzene (10x)	99	*%*	%	99	*%*	%	01/29/24	KCA	10	
% IS-1,4-Difluorobenzene (10x)	87	*%*	%	87	*%*	%	01/29/24	KCA	10	
% IS-Bromochloromethane (10x)	101	*%*	%	101	*%*	%	01/29/24	KCA	10	
% IS-Chlorobenzene-d5 (10x)	82	*%*	%	82	*%*	%	01/29/24	KCA	10	

Project ID: 1107 DEKALB AVENUE
Client ID: EFFLUENT

Phoenix I.D.: CP96011

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

This sample was collected using a Tedlar airbag, possible low bias.
1 = not certified by NY NELAC. NY NELAC does not offer certification for samples received in Tedlar bags for EPA TO-15
The specified sampling device for EPA TO15 is a summa canister.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
February 06, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: MW-1402

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP96008

Matrix:(soil/water) GROUND WATER Lab Sample ID: CP96008

Sample wt/vol: 5 (g/mL) mL Lab File ID: 0126_58.D

Level: (low/med) Date Received: 01/26/24

% Moisture: not dec. 100 Date Analyzed: 01/27/24

GC Column: RTX-VMS ID: 0.18(mm) Dilution Factor: 1

Purge Volume: 5000 (uL) Soil Aliquot Vol (uL): n.a.

Number TICs found: 11 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000106-97-8	Butane	1.169	28	JN
000078-78-4	Butane, 2-methyl-	1.378	60	JN
000107-83-5	Pentane, 2-methyl-	1.875	44	JN
000096-14-0	Pentane, 3-methyl-	1.985	28	JN
000096-37-7	Cyclopentane, methyl-	2.383	30	JN
	unknown	2.926	24	J
000611-14-3	Benzene, 1-ethyl-2-methyl-	5.934	50	JN
	Benzene, 1-ethyl-2-methyl- Isomer	6.143	34	JN
526-73-8	1,2,3-Trimethylbenzene	6.582	58	Q
000767-58-8	Indan, 1-methyl-	7.100	21	JN
000824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	7.639	34	JN

FORM I VOA-TIC

J - Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.

N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified

Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: MW-1403

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP96008

Matrix:(soil/water) GROUND WATER Lab Sample ID: CP96009

Sample wt/vol: 5 (g/mL) mL Lab File ID: 0126_59.D

Level: (low/med) Date Received: 01/26/24

% Moisture: not dec. 100 Date Analyzed: 01/27/24

GC Column: RTX-VMS ID: 0.18(mm) Dilution Factor: 1

Purge Volume: 5000 (uL) Soil Aliquot Vol (uL): n.a.

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000078-78-4	Butane, 2-methyl-	1.378	13	JN
	unknown	1.875	15	J
000096-14-0	Pentane, 3-methyl-	1.985	8.8	JN
	unknown	2.351	8	J
000096-37-7	Cyclopentane, methyl-	2.377	8	JN
000590-73-8	Hexane, 2,2-dimethyl-	2.926	20	JN
000565-75-3	Pentane, 2,3,4-trimethyl-	3.549	9.1	JN
000560-21-4	Pentane, 2,3,3-trimethyl-	3.622	12	JN
000767-58-8	Indan, 1-methyl-	7.100	4.1	JN
000824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	7.634	4.6	JN

FORM I VOA-TIC

J - Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.
N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified
Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102

NY # 11301

QA/QC Report

February 06, 2024

QA/QC Data

SDG I.D.: GCP96008

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 716050 (ug/L), QC Sample No: CP94162 (CP96008, CP96009)										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	116	104	10.9				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	102	96	6.1				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	117	104	11.8				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	113	104	8.3				70 - 130	30
1,1-Dichloroethane	ND	1.0	109	100	8.6				70 - 130	30
1,1-Dichloroethene	ND	1.0	105	97	7.9				70 - 130	30
1,1-Dichloropropene	ND	1.0	111	99	11.4				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	123	110	11.2				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	111	96	14.5				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	125	111	11.9				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	119	107	10.6				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	105	93	12.1				70 - 130	30
1,2-Dibromoethane	ND	1.0	116	102	12.8				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	122	109	11.3				70 - 130	30
1,2-Dichloroethane	ND	1.0	106	95	10.9				70 - 130	30
1,2-Dichloropropane	ND	1.0	114	104	9.2				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	121	108	11.4				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	123	109	12.1				70 - 130	30
1,3-Dichloropropane	ND	1.0	116	104	10.9				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	123	111	10.3				70 - 130	30
1,4-dioxane	ND	100	123	105	15.8				40 - 160	20
2,2-Dichloropropane	ND	1.0	102	94	8.2				70 - 130	30
2-Chlorotoluene	ND	1.0	120	111	7.8				70 - 130	30
2-Hexanone	ND	5.0	102	87	15.9				70 - 130	30
2-Isopropyltoluene	ND	1.0	126	112	11.8				70 - 130	30
4-Chlorotoluene	ND	1.0	123	110	11.2				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	99	91	8.4				70 - 130	30
Acetone	ND	5.0	126	102	21.1				70 - 130	30
Acrylonitrile	ND	5.0	106	103	2.9				70 - 130	30
Benzene	ND	0.70	120	108	10.5				70 - 130	30
Bromobenzene	ND	1.0	124	112	10.2				70 - 130	30
Bromochloromethane	ND	1.0	108	100	7.7				70 - 130	30
Bromodichloromethane	ND	0.50	108	100	7.7				70 - 130	30
Bromoform	ND	1.0	104	92	12.2				70 - 130	30
Bromomethane	0.46 J	1.0	94	94	0.0				70 - 130	30
Carbon Disulfide	ND	1.0	106	98	7.8				70 - 130	30
Carbon tetrachloride	ND	1.0	96	91	5.3				70 - 130	30
Chlorobenzene	ND	1.0	125	112	11.0				70 - 130	30
Chloroethane	ND	1.0	99	94	5.2				70 - 130	30
Chloroform	ND	1.0	109	99	9.6				70 - 130	30
Chloromethane	ND	1.0	99	91	8.4				70 - 130	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,2-Dichloroethene	ND	1.0	113	110	2.7				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	114	101	12.1				70 - 130	30
Cyclohexane	ND	5.0	95	90	5.4				70 - 130	30
Dibromochloromethane	ND	0.50	111	99	11.4				70 - 130	30
Dibromomethane	ND	1.0	109	99	9.6				70 - 130	30
Dichlorodifluoromethane	ND	1.0	80	74	7.8				70 - 130	30
Ethylbenzene	ND	1.0	124	111	11.1				70 - 130	30
Hexachlorobutadiene	ND	0.40	122	103	16.9				70 - 130	30
Isopropylbenzene	ND	1.0	119	110	7.9				70 - 130	30
m&p-Xylene	ND	1.0	125	112	11.0				70 - 130	30
Methyl ethyl ketone	ND	5.0	108	103	4.7				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	104	95	9.0				70 - 130	30
Methylacetate	ND	2.5	92	85	7.9				70 - 130	30
Methylcyclohexane	ND	1.0	98	86	13.0				70 - 130	30
Methylene chloride	ND	1.0	108	99	8.7				70 - 130	30
Naphthalene	ND	1.0	114	100	13.1				70 - 130	30
n-Butylbenzene	ND	1.0	121	107	12.3				70 - 130	30
n-Propylbenzene	ND	1.0	127	113	11.7				70 - 130	30
o-Xylene	ND	1.0	121	111	8.6				70 - 130	30
p-Isopropyltoluene	ND	1.0	124	108	13.8				70 - 130	30
sec-Butylbenzene	ND	1.0	123	110	11.2				70 - 130	30
Styrene	ND	1.0	121	113	6.8				70 - 130	30
tert-Butylbenzene	ND	1.0	122	109	11.3				70 - 130	30
Tetrachloroethene	ND	1.0	118	110	7.0				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	112	101	10.3				70 - 130	30
Toluene	ND	1.0	120	111	7.8				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	111	104	6.5				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	105	96	9.0				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	108	95	12.8				70 - 130	30
Trichloroethene	ND	1.0	119	109	8.8				70 - 130	30
Trichlorofluoromethane	ND	1.0	98	92	6.3				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	98	92	6.3				70 - 130	30
Vinyl chloride	ND	1.0	102	97	5.0				70 - 130	30
% 1,2-dichlorobenzene-d4	104	%	104	103	1.0				70 - 130	30
% Bromofluorobenzene	95	%	98	98	0.0				70 - 130	30
% Dibromofluoromethane	104	%	98	102	4.0				70 - 130	30
% Toluene-d8	101	%	103	103	0.0				70 - 130	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 716038 (ug/L), QC Sample No: CP94756 (CP96008 (10X))

Volatiles - Ground Water

1,2,4-Trimethylbenzene	ND	1.0	111	91	19.8	92	85	7.9	70 - 130	30
Ethylbenzene	ND	1.0	119	98	19.4	102	96	6.1	70 - 130	30
m&p-Xylene	ND	1.0	120	99	19.2	103	96	7.0	70 - 130	30
% 1,2-dichlorobenzene-d4	102	%	106	102	3.8	104	103	1.0	70 - 130	30
% Bromofluorobenzene	95	%	97	98	1.0	98	99	1.0	70 - 130	30
% Dibromofluoromethane	102	%	102	103	1.0	100	101	1.0	70 - 130	30
% Toluene-d8	103	%	104	103	1.0	102	104	1.9	70 - 130	30

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

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NY # 11301

QA/QC Report

February 06, 2024

QA/QC Data

SDG I.D.: GCP96008

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 716149 (ppbv), QC Sample No: CP95646 (CP96010 (5X) , CP96011 (10X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.500	ND	3.43	93	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.500	ND	2.73	114	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.010	ND	0.07	88	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.020	ND	0.11	103	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.150	ND	0.61	108	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.200	ND	0.79	108	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.500	ND	2.46	105	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.010	ND	0.08	97	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.020	ND	0.08	110	ND	0.15	ND	0.038	NC	70 - 130	25
1,2-dichloropropane	ND	0.020	ND	0.09	92	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.500	ND	3.49	114	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.500	ND	2.46	95	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.500	ND	1.11	108	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.130	ND	0.47	83	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.500	ND	2.05	100	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.500	ND	2.46	106	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.500	ND	2.74	98	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.500	ND	2.05	103	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.750	ND	1.78	99	3.09	2.97	1.30	1.25	NC	70 - 130	25
Acrylonitrile	ND	0.500	ND	1.08	90	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.200	ND	0.64	108	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.020	ND	0.13	101	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.150	ND	1.55	99	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.140	ND	0.54	105	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.500	ND	1.56	113	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.086	ND	0.54	114	ND	ND	ND	ND	NC	70 - 130	25
Chlorobenzene	ND	0.200	ND	0.92	90	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.500	ND	1.32	107	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	105	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.500	ND	1.03	104	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.200	ND	0.79	117	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.100	ND	0.45	104	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.500	ND	1.72	99	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.020	ND	0.17	102	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.500	ND	2.47	114	ND	ND	ND	ND	NC	70 - 130	25
Ethanol	ND	0.750	ND	1.41	101	2.69	6.95	1.43	3.69	NC	70 - 130	25
Ethyl acetate	ND	0.500	ND	1.80	95	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.500	ND	2.17	98	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.500	ND	2.05	100	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.010	ND	0.11	97	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.450	ND	1.59	95	ND	ND	ND	ND	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCP96008

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Isopropylalcohol	ND	0.750	ND	1.84	121	ND	ND	ND	ND	NC	70 - 130	25
Isopropylbenzene	ND	0.500	ND	2.46	96	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	1.00	ND	4.34	102	ND	ND	ND	ND	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.450	ND	1.33	113	ND	ND	ND	ND	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.500	ND	1.80	115	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	3.00	ND	10.4	100	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.500	ND	2.74	96	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.500	ND	2.17	102	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.500	ND	0.86	103	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.500	ND	2.74	96	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.100	ND	0.68	107	ND	ND	ND	ND	NC	70 - 130	25
Tetrahydrofuran	ND	0.500	ND	1.47	103	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.500	ND	1.88	103	ND	ND	ND	ND	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.200	ND	0.79	112	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.050	ND	0.27	100	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.500	ND	2.81	113	ND	ND	ND	ND	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.500	ND	3.83	115	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.100	ND	0.26	108	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	101	%	101	%	99	110	102	110	102	NC	70 - 130	25
% IS-1,4-Difluorobenzene	116	%	116	%	103	81	81	81	81	NC	60 - 140	25
% IS-Bromochloromethane	127	%	127	%	102	106	105	106	105	NC	60 - 140	25
% IS-Chlorobenzene-d5	109	%	109	%	117	79	78	79	78	NC	60 - 140	25
QA/QC Batch 716344 (ppbv), QC Sample No: CP97046 (CP96010 (10X))												
Volatiles												
Tetrachloroethene	ND	0.037	ND	0.25	100	0.26	0.26	0.039	0.039	NC	70 - 130	25
% Bromofluorobenzene	96	%	96	%	100	105	104	105	104	NC	70 - 130	25
% IS-1,4-Difluorobenzene	100	%	100	%	107	100	95	100	95	NC	60 - 140	25
% IS-Bromochloromethane	102	%	102	%	101	99	96	99	96	NC	60 - 140	25
% IS-Chlorobenzene-d5	101	%	101	%	109	99	97	99	97	NC	60 - 140	25

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
February 06, 2024

Tuesday, February 06, 2024

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCP96008 - PREFRDNY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Preferred Environmental Services

Project Location: 1107 DEKALB AVENUE **Project Number:**

Laboratory Sample ID(s): CP96008, CP96009, CP96010, CP96011

Sampling Date(s): 1/25/2024

DKQP Methods Used

☐ 1311/1312	☐ 6010	☐ 6020	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH
☐ 8082	☐ 8151	☑ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	☑ TO15

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☑ Yes ☐ No
1a.	Were the method specified handling, preservation, and holding time requirements met?	☑ Yes ☐ No
1b.	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (4±2° C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☑ Yes ☐ No
7.	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☐ Yes ☑ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Data of Known Quality."

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.

Authorized Signature: Rashmi Makol

Date: Tuesday, February 06, 2024

Printed Name: Rashmi Makol

Position: Project Manager

Apr 2014

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NJDKQP Certification Report

February 06, 2024

SDG I.D.: GCP96008

AIRSIM

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

CHEM20 01/29/24-1 Jamie Litchfield, Chemist 01/29/24

CP96010 (5X), CP96011 (10X)

Initial Calibration Evaluation (CHEM20/20_AIR_0124):
100% of target compounds met criteria.
The following compounds had %RSDs >30%: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification #1 (CHEM20/0128_02-20_AIR_0124):
Internal standard areas were within 60 to 140% of the initial calibration with the following exceptions: None.
99% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

CHEM39 01/30/24-1 Jamie Litchfield, Chemist 01/30/24

CP96010 (10X)

Initial Calibration Evaluation (CHEM39/39_AIR_0112):
100% of target compounds met criteria.
The following compounds had %RSDs >30%: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification #1 (CHEM39/0130_02-39_AIR_0112):
Internal standard areas were within 60 to 140% of the initial calibration with the following exceptions: None.
99% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 716149 (CP95646)

CP96010(5X), CP96011(10X)

All LCS recoveries were within 70 - 130 with the following exceptions: None.

Batch 716344 (CP97046)

CP96010(10X)

All LCS recoveries were within 70 - 130 with the following exceptions: None.

VOA Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NJDKQP Certification Report

February 06, 2024

SDG I.D.: GCP96008

VOA Narration

Instrument:

CHEM23 01/26/24-2 Michael Hahn, Chemist 01/26/24

CP96008 (1X), CP96009 (1X)

Initial Calibration Evaluation (CHEM23/VOA23_011624):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: 1,4-dioxane 21% (20%)
The following compounds did not meet Table 4 recommended minimum response factors: 1,1,2-Trichloroethane 0.191 (0.2), Bromodichloromethane 0.290 (0.3), Ethylbenzene 0.333 (0.4)
The following compounds did not meet the minimum response factor of 0.05: None.

Continuing Calibration Verification (CHEM23/0126_33-VOA23_011624):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
99% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet Table 4 recommended minimum response factors: Ethylbenzene 0.386 (0.4)

CHEM23 01/27/24-1 Michael Hahn, Chemist 01/27/24

CP96008 (10X)

Initial Calibration Evaluation (CHEM23/VOA23_011624):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet Table 4 recommended minimum response factors: Ethylbenzene 0.333 (0.4)
The following compounds did not meet the minimum response factor of 0.05: None.

Continuing Calibration Verification (CHEM23/0127_03-VOA23_011624):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
99% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet Table 4 recommended minimum response factors: Ethylbenzene 0.328 (0.4)

QC (Batch Specific):

Batch 716038 (CP94756) CHEM23 1/27/2024-1

CP96008(10X)

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

Batch 716050 (CP94162) CHEM23 1/26/2024-2

CP96008(1X), CP96009(1X)

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.
Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NJDKQP Certification Report

February 06, 2024

SDG I.D.: GCP96008

VOA Narration

QC (Batch Specific):

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

February 06, 2024

SDG I.D.: GCP96008

The samples in this delivery group were received at 2.0°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes ☐ No ☐
Coolant: IPK ☐ ICE ☐ No ☐
Temp 2.0°C Pg of

PHOENIX
Environmental Laboratories, Inc.

NY/NJ/PA CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: Makrina Nolan, makrina@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-1102

Contact Options:
☒ Phone: 516-546-1100
☐ Fax:
☒ Email: bschlageter@preferredenv.com

Customer: Preferred Environmental Services
Address: 323 Merrick Avenue, North Merrick, NY

Project: 1107 DeKalb Avenue
Report to: bschlageter@preferredenv.com
Invoice to: Bill Schlageter
QUOTE # :

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 1/25/24

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe **OIL**=Oil
B=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	*MS/MSD (May be billable at analysis unit rate)	TCL 8260 list VOC's	Full "normal" 8260 list VOC's	TO-15	GL Amber 8 oz. [ ] w/H_3PO_4 [ ] $NAHSO_4$	Soil VOA Vials [ ] methanol [ ] H_2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H_2SO_4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H_2SO_4 [ ] 250ml [ ] 500ml	PL NaOH 250ml	PL HNO_3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
960008	MW-1402	GW	1/25/24	09:52	X	X							3							
960009	MW-1403	GW	1/25/24	09:09	X	X							3							
960010	Influent	Air	1/25/24	10:10			X													Tedlar
960011	Effluent	Air	1/25/24	10:13			X													Tedlar

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	1/26/24	1217
[signature]	[signature]	1/26/24	16:35

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ 4 Days*
☐ 5 Days*
☒ Standard
*** SURCHARGE APPLIES**

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ Impact to GW soil screen Criteria
☐ GW Criteria

NY
☐ TOGS GW
☐ CP-51 SOIL
☐ 375SCO Unrestricted Soil
☐ 375SCO Residential Soil
☐ 375SCO Residential Restricted Soil
☐ 375SCO Commercial Soil
☐ 375SCO Industrial Soil
☐ Subpart 5 DW

PA
☐ Clean Fill Limits
☐ PA-GW
☐ Reg Fill Limits
☐ PA Soil Restricted
☐ PA Soil non-restricted

State Samples Collected? NJ

Comments, Special Requirements or Regulations:
Equis data requested

Data Format:
☒ Phoenix Std Report ☒ EQuIS
☒ Excel ☐ NJ Hazsite EDD
☒ PDF ☐ NY EZ EDD (ASP)
☐ GIS/Key ☐ Other

Data Package:
☐ NJ Reduced Deliv. * ☐ Other
☐ NY Enhanced (ASP B) *

***MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.**

PEL-111 Rev 1/2023

Technical Report

prepared for:

GZA GeoEnvironmental, Inc. - NYC
104 West 29th Street, 10th Floor
New York NY, 10001
Attention: Mark Hutson

Report Date: 06/28/2024
Client Project ID: 41.0163281.02 1107 Dekalb Avenue
York Project (SDG) No.: 24F1678

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723

Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 06/28/2024
Client Project ID: 41.0163281.02 1107 Dekalb Avenue
York Project (SDG) No.: 24F1678

GZA GeoEnvironmental, Inc. - NYC
104 West 29th Street, 10th Floor
New York NY, 10001
Attention: Mark Hutson

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 25, 2024 and listed below. The project was identified as your project: **41.0163281.02 1107 Dekalb Avenue**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
24F1678-01	MW-1403	Ground Water	06/25/2024	06/25/2024
24F1678-02	MW-1402	Ground Water	06/25/2024	06/25/2024
24F1678-03	MW-00X	Ground Water	06/25/2024	06/25/2024

General Notes for York Project (SDG) No.: 24F1678

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By: Cassie L. Mosher

Cassie L. Mosher
Laboratory Manager

Date: 06/28/2024

Sample Information

Client Sample ID: MW-1403 **York Sample ID:** 24F1678-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F1678	41.0163281.02 1107 Dekalb Avenue	Ground Water	June 25, 2024 9:55 am	06/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT

Sample Information

Client Sample ID: MW-1403 **York Sample ID:** 24F1678-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F1678	41.0163281.02 1107 Dekalb Avenue	Ground Water	June 25, 2024 9:55 am	06/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
78-93-3	**2-Butanone**	**1.30**		ug/L	0.421	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
67-64-1	**Acetone**	**4.27**	CAL-E, CCVE, ICVE	ug/L	1.34	2.00	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
67-66-3	**Chloroform**	**0.590**		ug/L	0.243	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT

Sample Information

Client Sample ID: **MW-1403** **York Sample ID:** **24F1678-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F1678	41.0163281.02 1107 Dekalb Avenue	Ground Water	June 25, 2024 9:55 am	06/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
110-82-7	**Cyclohexane**	**1.40**		ug/L	0.491	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005
87-68-3	Hexachlorobutadiene	ND	CCVE	ug/L	0.241	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
74-88-4	* Iodomethane	ND	CCVE	ug/L	0.477	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
91-20-3	**Naphthalene**	**0.290**	B	ug/L	0.212	2.00	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT

Sample Information

Client Sample ID: MW-1403 **York Sample ID:** 24F1678-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F1678	41.0163281.02 1107 Dekalb Avenue	Ground Water	June 25, 2024 9:55 am	06/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
127-18-4	**Tetrachloroethylene**	**0.370**	QL-02, ICVE	ug/L	0.239	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C
109-99-9	* Tetrahydrofuran	ND	CCVE	ug/L	0.485	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
79-01-6	**Trichloroethylene**	**0.930**		ug/L	0.249	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-05-4	Vinyl acetate	ND	CCVE	ug/L	0.477	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 17:52	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*93.2 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*79-122*

Sample Information

Client Sample ID: **MW-1402** **York Sample ID:** **24F1678-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F1678	41.0163281.02 1107 Dekalb Avenue	Ground Water	June 25, 2024 11:22 am	06/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.16	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.66	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.56	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.86	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.49	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
75-34-3	1,1-Dichloroethane	ND		ug/L	2.72	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
75-35-4	1,1-Dichloroethylene	ND		ug/L	3.27	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
563-58-6	1,1-Dichloropropylene	ND		ug/L	3.14	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	BMT
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.22	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	BMT
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.73	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	BMT
95-93-2	*** 1,2,4,5-Tetramethylbenzene**	**24.1**		ug/L	2.55	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.38	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	BMT
95-63-6	**1,2,4-Trimethylbenzene**	**522**		ug/L	3.10	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	BMT
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	4.32	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
106-93-4	1,2-Dibromoethane	ND		ug/L	2.15	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
107-06-2	1,2-Dichloroethane	ND		ug/L	3.77	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
78-87-5	1,2-Dichloropropane	ND		ug/L	3.27	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
108-67-8	**1,3,5-Trimethylbenzene**	**37.0**		ug/L	3.47	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	BMT
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.83	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
142-28-9	1,3-Dichloropropane	ND		ug/L	2.60	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	BMT
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.11	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
123-91-1	1,4-Dioxane	ND		ug/L	353	800	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	BMT

Sample Information

Client Sample ID: MW-1402 **York Sample ID:** 24F1678-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F1678	41.0163281.02 1107 Dekalb Avenue	Ground Water	June 25, 2024 11:22 am	06/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	4.66	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
78-93-3	2-Butanone	ND		ug/L	4.21	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
95-49-8	2-Chlorotoluene	ND		ug/L	3.76	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
591-78-6	2-Hexanone	ND		ug/L	3.20	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
106-43-4	4-Chlorotoluene	ND		ug/L	3.11	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-10-1	4-Methyl-2-pentanone	ND		ug/L	3.65	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
67-64-1	**Acetone**	**22.2**	CAL-E, CCVE, ICVE	ug/L	13.4	20.0	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C
107-02-8	Acrolein	ND	CCVE	ug/L	4.47	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-13-1	Acrylonitrile	ND		ug/L	4.22	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
71-43-2	Benzene	ND		ug/L	2.79	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-86-1	Bromobenzene	ND		ug/L	3.67	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
74-97-5	Bromochloromethane	ND		ug/L	3.54	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-27-4	Bromodichloromethane	ND		ug/L	2.45	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-25-2	Bromoform	ND		ug/L	1.63	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-83-9	Bromomethane	ND	CCVE	ug/L	1.19	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-15-0	Carbon disulfide	ND		ug/L	3.62	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
56-23-5	Carbon tetrachloride	ND		ug/L	2.04	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-90-7	Chlorobenzene	ND		ug/L	2.84	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-00-3	Chloroethane	ND		ug/L	4.48	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
67-66-3	Chloroform	ND		ug/L	2.43	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-87-3	Chloromethane	ND		ug/L	3.72	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
156-59-2	**cis-1,2-Dichloroethylene**	**14.5**		ug/L	2.94	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.62	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT

Sample Information

Client Sample ID: MW-1402 **York Sample ID:** 24F1678-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F1678	41.0163281.02 1107 Dekalb Avenue	Ground Water	June 25, 2024 11:22 am	06/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	**Cyclohexane**	**25.2**		ug/L	4.91	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
124-48-1	Dibromochloromethane	ND		ug/L	1.46	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-95-3	Dibromomethane	ND		ug/L	2.03	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-71-8	Dichlorodifluoromethane	ND		ug/L	4.51	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	4.66	8.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
100-41-4	**Ethyl Benzene**	**442**		ug/L	2.90	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	4.79	8.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005		
87-68-3	Hexachlorobutadiene	ND	CCVE	ug/L	2.41	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
74-88-4	* Iodomethane	ND	CCVE	ug/L	4.77	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:			
98-82-8	**Isopropylbenzene**	**60.2**		ug/L	4.05	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
79-20-9	Methyl acetate	ND		ug/L	4.42	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
80-62-6	**Methyl Methacrylate**	**20.2**		ug/L	4.15	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.44	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-87-2	**Methylcyclohexane**	**9.40**		ug/L	4.77	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-09-2	Methylene chloride	ND		ug/L	3.97	20.0	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
91-20-3	**Naphthalene**	**86.2**	B	ug/L	2.12	20.0	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
104-51-8	**n-Butylbenzene**	**4.40**		ug/L	3.99	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
103-65-1	**n-Propylbenzene**	**117**		ug/L	3.84	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
95-47-6	o-Xylene	ND		ug/L	2.61	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68		
179601-23-1	**p- & m- Xylenes**	**284**		ug/L	5.78	10.0	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68		
105-05-5	*** p-Diethylbenzene**	**20.4**		ug/L	3.41	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:			
622-96-8	*** p-Ethyltoluene**	**83.8**		ug/L	2.00	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	3.77	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: MW-1402 **York Sample ID:** 24F1678-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F1678	41.0163281.02 1107 Dekalb Avenue	Ground Water	June 25, 2024 11:22 am	06/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	**sec-Butylbenzene**	**6.40**		ug/L	4.44	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
100-42-5	Styrene	ND		ug/L	2.55	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	41.6	80.0	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	5.11	8.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	6.08	10.0	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
98-06-6	tert-Butylbenzene	ND		ug/L	3.67	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	2.39	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
109-99-9	* Tetrahydrofuran	ND	CCVE	ug/L	4.85	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:			
108-88-3	**Toluene**	**8.10**		ug/L	3.46	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.79	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.29	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.83	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-01-6	Trichloroethylene	ND		ug/L	2.49	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-69-4	Trichlorofluoromethane	ND		ug/L	3.37	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-05-4	Vinyl acetate	ND	CCVE	ug/L	4.77	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-01-4	Vinyl Chloride	ND		ug/L	4.69	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
1330-20-7	**Xylenes, Total**	**284**		ug/L	8.39	15.0	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:33	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*96.8 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*91.7 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.1 %*	*79-122*

Sample Information

Client Sample ID: **MW-00X** **York Sample ID:** **24F1678-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F1678	41.0163281.02 1107 Dekalb Avenue	Ground Water	June 25, 2024 11:22 am	06/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.16	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.66	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.56	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.86	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.49	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
75-34-3	1,1-Dichloroethane	ND		ug/L	2.72	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
75-35-4	1,1-Dichloroethylene	ND		ug/L	3.27	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
563-58-6	1,1-Dichloropropylene	ND		ug/L	3.14	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	BMT
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.22	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	BMT
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.73	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	BMT
95-93-2	*** 1,2,4,5-Tetramethylbenzene**	**13.7**		ug/L	2.55	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59	BMT
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.38	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	BMT
95-63-6	**1,2,4-Trimethylbenzene**	**316**		ug/L	3.10	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	BMT
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	4.32	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
106-93-4	1,2-Dibromoethane	ND		ug/L	2.15	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
107-06-2	1,2-Dichloroethane	ND		ug/L	3.77	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
78-87-5	1,2-Dichloropropane	ND		ug/L	3.27	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
108-67-8	**1,3,5-Trimethylbenzene**	**22.4**		ug/L	3.47	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	BMT
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.83	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
142-28-9	1,3-Dichloropropane	ND		ug/L	2.60	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	BMT
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.11	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
123-91-1	1,4-Dioxane	ND		ug/L	353	800	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	BMT

Sample Information

Client Sample ID: MW-00X **York Sample ID:** 24F1678-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F1678	41.0163281.02 1107 Dekalb Avenue	Ground Water	June 25, 2024 11:22 am	06/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	4.66	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	BMT
78-93-3	2-Butanone	ND		ug/L	4.21	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
95-49-8	2-Chlorotoluene	ND		ug/L	3.76	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
591-78-6	2-Hexanone	ND		ug/L	3.20	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
106-43-4	4-Chlorotoluene	ND		ug/L	3.11	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
108-10-1	4-Methyl-2-pentanone	ND		ug/L	3.65	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
67-64-1	**Acetone**	**20.3**	CAL-E, CCVE, ICVE	ug/L	13.4	20.0	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	BMT
107-02-8	Acrolein	ND	CCVE	ug/L	4.47	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
107-13-1	Acrylonitrile	ND		ug/L	4.22	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
71-43-2	Benzene	ND		ug/L	2.79	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
108-86-1	Bromobenzene	ND		ug/L	3.67	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	BMT
74-97-5	Bromochloromethane	ND		ug/L	3.54	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	BMT
75-27-4	Bromodichloromethane	ND		ug/L	2.45	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
75-25-2	Bromoform	ND		ug/L	1.63	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
74-83-9	Bromomethane	ND	CCVE	ug/L	1.19	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
75-15-0	Carbon disulfide	ND		ug/L	3.62	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
56-23-5	Carbon tetrachloride	ND		ug/L	2.04	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
108-90-7	Chlorobenzene	ND		ug/L	2.84	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
75-00-3	Chloroethane	ND		ug/L	4.48	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
67-66-3	Chloroform	ND		ug/L	2.43	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
74-87-3	Chloromethane	ND		ug/L	3.72	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT
156-59-2	**cis-1,2-Dichloroethylene**	**7.90**		ug/L	2.94	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	BMT
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.62	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	BMT

Sample Information

Client Sample ID: MW-00X

York Sample ID: 24F1678-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F1678	41.0163281.02 1107 Dekalb Avenue	Ground Water	June 25, 2024 11:22 am	06/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	**Cyclohexane**	**21.7**		ug/L	4.91	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
124-48-1	Dibromochloromethane	ND		ug/L	1.46	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-95-3	Dibromomethane	ND		ug/L	2.03	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-71-8	Dichlorodifluoromethane	ND		ug/L	4.51	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	4.66	8.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
100-41-4	**Ethyl Benzene**	**267**		ug/L	2.90	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	4.79	8.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005		
87-68-3	Hexachlorobutadiene	ND	CCVE	ug/L	2.41	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
74-88-4	* Iodomethane	ND	CCVE	ug/L	4.77	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:			
98-82-8	**Isopropylbenzene**	**38.8**		ug/L	4.05	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
79-20-9	Methyl acetate	ND		ug/L	4.42	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
80-62-6	Methyl Methacrylate	ND		ug/L	4.15	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.44	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-87-2	**Methylcyclohexane**	**5.40**		ug/L	4.77	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-09-2	Methylene chloride	ND		ug/L	3.97	20.0	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
91-20-3	**Naphthalene**	**53.8**	B	ug/L	2.12	20.0	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
104-51-8	n-Butylbenzene	ND		ug/L	3.99	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
103-65-1	**n-Propylbenzene**	**72.1**		ug/L	3.84	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
95-47-6	o-Xylene	ND		ug/L	2.61	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-		
179601-23-1	**p- & m- Xylenes**	**165**		ug/L	5.78	10.0	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68		
105-05-5	*** p-Diethylbenzene**	**12.5**		ug/L	3.41	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:			
622-96-8	*** p-Ethyltoluene**	**51.2**		ug/L	2.00	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	3.77	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: MW-00X **York Sample ID:** 24F1678-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F1678	41.0163281.02 1107 Dekalb Avenue	Ground Water	June 25, 2024 11:22 am	06/25/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	**sec-Butylbenzene**	**4.80**		ug/L	4.44	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
100-42-5	Styrene	ND		ug/L	2.55	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	41.6	80.0	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	5.11	8.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	6.08	10.0	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
98-06-6	tert-Butylbenzene	ND		ug/L	3.67	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	2.39	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
109-99-9	* Tetrahydrofuran	ND	CCVE	ug/L	4.85	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:			
108-88-3	**Toluene**	**4.80**		ug/L	3.46	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.79	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.29	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
110-57-6	**trans-1,4-dichloro-2-butene**	**3.00**		ug/L	2.83	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
79-01-6	**Trichloroethylene**	**2.50**		ug/L	2.49	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
75-69-4	Trichlorofluoromethane	ND		ug/L	3.37	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-05-4	Vinyl acetate	ND	CCVE	ug/L	4.77	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-01-4	Vinyl Chloride	ND		ug/L	4.69	5.00	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
1330-20-7	**Xylenes, Total**	**165**		ug/L	8.39	15.0	10	EPA 8260D	06/26/2024 08:00	06/26/2024 16:59	BMT
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*94.6 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*93.6 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*79-122*

Analytical Batch Summary

Batch ID: BF41760 **Preparation Method:** EPA 5030B **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24F1678-01	MW-1403	06/26/24
24F1678-02	MW-1402	06/26/24
24F1678-03	MW-00X	06/26/24
BF41760-BLK1	Blank	06/26/24
BF41760-BS1	LCS	06/26/24
BF41760-BSD1	LCS Dup	06/26/24
BF41760-MS1	Matrix Spike	06/26/24
BF41760-MSD1	Matrix Spike Dup	06/26/24

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF41760 - EPA 5030B											
Blank (BF41760-BLK1)									Prepared & Analyzed: 06/26/2024		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4,5-Tetramethylbenzene	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF41760 - EPA 5030B											
Blank (BF41760-BLK1)											Prepared & Analyzed: 06/26/2024
Dichlorodifluoromethane	ND	0.500	ug/L								
Diisopropyl ether (DIPE)	ND	0.800	"								
Ethyl Benzene	ND	0.500	"								
Ethyl tert-butyl ether (ETBE)	ND	0.800	"								
Hexachlorobutadiene	ND	0.500	"								
Iodomethane	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl Methacrylate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	0.240	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Amyl alcohol (TAA)	ND	8.00	"								
tert-Amyl methyl ether (TAME)	ND	0.800	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Tetrahydrofuran	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
trans-1,4-dichloro-2-butene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.16*		*"*	*10.0*		*91.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.92*		*"*	*10.0*		*99.2*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF41760 - EPA 5030B											
LCS (BF41760-BS1)								Prepared & Analyzed: 06/26/2024			
1,1,1,2-Tetrachloroethane	9.36		ug/L	10.0		93.6	82-126				
1,1,1-Trichloroethane	10.3		"	10.0		103	78-136				
1,1,2,2-Tetrachloroethane	8.92		"	10.0		89.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	54-165				
1,1,2-Trichloroethane	9.05		"	10.0		90.5	82-123				
1,1-Dichloroethane	10.1		"	10.0		101	82-129				
1,1-Dichloroethylene	10.8		"	10.0		108	68-138				
1,1-Dichloropropylene	10.4		"	10.0		104	83-133				
1,2,3-Trichlorobenzene	11.4		"	10.0		114	76-136				
1,2,3-Trichloropropane	9.15		"	10.0		91.5	77-128				
1,2,4,5-Tetramethylbenzene	9.41		"	10.0		94.1	85-140				
1,2,4-Trichlorobenzene	9.68		"	10.0		96.8	76-137				
1,2,4-Trimethylbenzene	9.55		"	10.0		95.5	82-132				
1,2-Dibromo-3-chloropropane	9.49		"	10.0		94.9	45-147				
1,2-Dibromoethane	9.23		"	10.0		92.3	83-124				
1,2-Dichlorobenzene	9.18		"	10.0		91.8	79-123				
1,2-Dichloroethane	10.6		"	10.0		106	73-132				
1,2-Dichloropropane	9.17		"	10.0		91.7	78-126				
1,3,5-Trimethylbenzene	9.51		"	10.0		95.1	80-131				
1,3-Dichlorobenzene	9.21		"	10.0		92.1	86-122				
1,3-Dichloropropane	9.00		"	10.0		90.0	81-125				
1,4-Dichlorobenzene	9.11		"	10.0		91.1	85-124				
1,4-Dioxane	193		"	210		92.1	10-349				
2,2-Dichloropropane	9.54		"	10.0		95.4	56-150				
2-Butanone	9.65		"	10.0		96.5	49-152				
2-Chlorotoluene	9.06		"	10.0		90.6	79-130				
2-Hexanone	7.81		"	10.0		78.1	51-146				
4-Chlorotoluene	9.44		"	10.0		94.4	79-128				
4-Methyl-2-pentanone	8.31		"	10.0		83.1	57-145				
Acetone	11.2		"	10.0		112	14-150				
Acrolein	6.84		"	10.0		68.4	10-153				
Acrylonitrile	10.7		"	10.0		107	51-150				
Benzene	10.8		"	10.0		108	85-126				
Bromobenzene	9.20		"	10.0		92.0	78-129				
Bromochloromethane	10.0		"	10.0		100	77-128				
Bromodichloromethane	9.30		"	10.0		93.0	79-128				
Bromoform	8.96		"	10.0		89.6	78-133				
Bromomethane	7.96		"	10.0		79.6	43-168				
Carbon disulfide	10.7		"	10.0		107	68-146				
Carbon tetrachloride	10.5		"	10.0		105	77-141				
Chlorobenzene	9.45		"	10.0		94.5	88-120				
Chloroethane	10.8		"	10.0		108	65-136				
Chloroform	10.4		"	10.0		104	82-128				
Chloromethane	10.7		"	10.0		107	43-155				
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129				
cis-1,3-Dichloropropylene	8.69		"	10.0		86.9	80-131				
Cyclohexane	9.65		"	10.0		96.5	63-149				
Dibromochloromethane	9.15		"	10.0		91.5	80-130				
Dibromomethane	9.29		"	10.0		92.9	72-134				
Dichlorodifluoromethane	15.3		"	10.0		153	44-144	High Bias			

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF41760 - EPA 5030B											
LCS (BF41760-BS1)								Prepared & Analyzed: 06/26/2024			
Diisopropyl ether (DIPE)	9.88		ug/L	10.0		98.8	70-130				
Ethyl Benzene	9.66		"	10.0		96.6	80-131				
Ethyl tert-butyl ether (ETBE)	9.85		"	10.0		98.5	70-130				
Hexachlorobutadiene	8.46		"	10.0		84.6	67-146				
Iodomethane	8.50		"	10.0		85.0	70-130				
Isopropylbenzene	9.20		"	10.0		92.0	76-140				
Methyl acetate	9.94		"	10.0		99.4	51-139				
Methyl Methacrylate	9.01		"	10.0		90.1	72-132				
Methyl tert-butyl ether (MTBE)	9.70		"	10.0		97.0	76-135				
Methylcyclohexane	8.67		"	10.0		86.7	72-143				
Methylene chloride	9.33		"	10.0		93.3	55-137				
Naphthalene	10.4		"	10.0		104	70-147				
n-Butylbenzene	9.84		"	10.0		98.4	79-132				
n-Propylbenzene	9.16		"	10.0		91.6	78-133				
o-Xylene	9.49		"	10.0		94.9	78-130				
p- & m- Xylenes	19.2		"	20.0		95.8	77-133				
p-Diethylbenzene	9.70		"	10.0		97.0	84-134				
p-Ethyltoluene	9.36		"	10.0		93.6	88-129				
p-Isopropyltoluene	9.38		"	10.0		93.8	81-136				
sec-Butylbenzene	9.18		"	10.0		91.8	79-137				
Styrene	9.73		"	10.0		97.3	67-132				
tert-Amyl alcohol (TAA)	98.0		"	100		98.0	70-130				
tert-Amyl methyl ether (TAME)	9.70		"	10.0		97.0	70-130				
tert-Butyl alcohol (TBA)	53.5		"	50.0		107	25-162				
tert-Butylbenzene	9.02		"	10.0		90.2	77-138				
Tetrachloroethylene	5.24		"	10.0		52.4	82-131	Low Bias			
Tetrahydrofuran	10.2		"	10.0		102	36-166				
Toluene	9.56		"	10.0		95.6	80-127				
trans-1,2-Dichloroethylene	10.5		"	10.0		105	80-132				
trans-1,3-Dichloropropylene	8.94		"	10.0		89.4	78-131				
trans-1,4-dichloro-2-butene	8.72		"	10.0		87.2	63-141				
Trichloroethylene	9.22		"	10.0		92.2	82-128				
Trichlorofluoromethane	10.9		"	10.0		109	67-139				
Vinyl acetate	9.48		"	10.0		94.8	21-90	High Bias			
Vinyl Chloride	11.2		"	10.0		112	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.82*		*"*	*10.0*		*98.2*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.28*		*"*	*10.0*		*92.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF41760 - EPA 5030B											
LCS Dup (BF41760-BSD1)								Prepared & Analyzed: 06/26/2024			
1,1,1,2-Tetrachloroethane	9.98		ug/L	10.0		99.8	82-126		6.41	30	
1,1,1-Trichloroethane	11.2		"	10.0		112	78-136		8.20	30	
1,1,2,2-Tetrachloroethane	10.0		"	10.0		100	76-129		11.7	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.8		"	10.0		118	54-165		8.35	30	
1,1,2-Trichloroethane	10.1		"	10.0		101	82-123		10.9	30	
1,1-Dichloroethane	11.0		"	10.0		110	82-129		8.64	30	
1,1-Dichloroethylene	11.8		"	10.0		118	68-138		9.20	30	
1,1-Dichloropropylene	11.4		"	10.0		114	83-133		9.38	30	
1,2,3-Trichlorobenzene	14.0		"	10.0		140	76-136	High Bias	20.2	30	
1,2,3-Trichloropropane	10.2		"	10.0		102	77-128		10.7	30	
1,2,4,5-Tetramethylbenzene	9.74		"	10.0		97.4	85-140		3.45	30	
1,2,4-Trichlorobenzene	10.9		"	10.0		109	76-137		11.7	30	
1,2,4-Trimethylbenzene	9.62		"	10.0		96.2	82-132		0.730	30	
1,2-Dibromo-3-chloropropane	11.0		"	10.0		110	45-147		15.1	30	
1,2-Dibromoethane	10.4		"	10.0		104	83-124		11.7	30	
1,2-Dichlorobenzene	9.72		"	10.0		97.2	79-123		5.71	30	
1,2-Dichloroethane	12.0		"	10.0		120	73-132		13.0	30	
1,2-Dichloropropane	9.78		"	10.0		97.8	78-126		6.44	30	
1,3,5-Trimethylbenzene	9.34		"	10.0		93.4	80-131		1.80	30	
1,3-Dichlorobenzene	9.43		"	10.0		94.3	86-122		2.36	30	
1,3-Dichloropropane	10.1		"	10.0		101	81-125		11.7	30	
1,4-Dichlorobenzene	9.45		"	10.0		94.5	85-124		3.66	30	
1,4-Dioxane	237		"	210		113	10-349		20.0	30	
2,2-Dichloropropane	10.3		"	10.0		103	56-150		7.37	30	
2-Butanone	11.7		"	10.0		117	49-152		18.9	30	
2-Chlorotoluene	9.03		"	10.0		90.3	79-130		0.332	30	
2-Hexanone	9.69		"	10.0		96.9	51-146		21.5	30	
4-Chlorotoluene	9.47		"	10.0		94.7	79-128		0.317	30	
4-Methyl-2-pentanone	10.1		"	10.0		101	57-145		19.5	30	
Acetone	10.8		"	10.0		108	14-150		3.90	30	
Acrolein	7.60		"	10.0		76.0	10-153		10.5	30	
Acrylonitrile	13.2		"	10.0		132	51-150		20.5	30	
Benzene	11.6		"	10.0		116	85-126		6.51	30	
Bromobenzene	9.41		"	10.0		94.1	78-129		2.26	30	
Bromochloromethane	11.3		"	10.0		113	77-128		11.8	30	
Bromodichloromethane	10.1		"	10.0		101	79-128		8.15	30	
Bromoform	10.1		"	10.0		101	78-133		12.4	30	
Bromomethane	9.06		"	10.0		90.6	43-168		12.9	30	
Carbon disulfide	11.6		"	10.0		116	68-146		7.44	30	
Carbon tetrachloride	11.4		"	10.0		114	77-141		8.06	30	
Chlorobenzene	9.98		"	10.0		99.8	88-120		5.46	30	
Chloroethane	11.6		"	10.0		116	65-136		6.61	30	
Chloroform	11.3		"	10.0		113	82-128		8.21	30	
Chloromethane	11.4		"	10.0		114	43-155		6.42	30	
cis-1,2-Dichloroethylene	11.0		"	10.0		110	83-129		7.74	30	
cis-1,3-Dichloropropylene	9.55		"	10.0		95.5	80-131		9.43	30	
Cyclohexane	10.6		"	10.0		106	63-149		9.38	30	
Dibromochloromethane	10.2		"	10.0		102	80-130		11.3	30	
Dibromomethane	10.3		"	10.0		103	72-134		9.92	30	
Dichlorodifluoromethane	16.1		"	10.0		161	44-144	High Bias	5.28	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF41760 - EPA 5030B											
LCS Dup (BF41760-BSD1)								Prepared & Analyzed: 06/26/2024			
Diisopropyl ether (DIPE)	11.0		ug/L	10.0		110	70-130		11.1	30	
Ethyl Benzene	10.1		"	10.0		101	80-131		4.45	30	
Ethyl tert-butyl ether (ETBE)	11.5		"	10.0		115	70-130		15.8	30	
Hexachlorobutadiene	8.85		"	10.0		88.5	67-146		4.51	30	
Iodomethane	9.95		"	10.0		99.5	70-130		15.7	30	
Isopropylbenzene	9.11		"	10.0		91.1	76-140		0.983	30	
Methyl acetate	12.4		"	10.0		124	51-139		22.4	30	
Methyl Methacrylate	10.5		"	10.0		105	72-132		15.7	30	
Methyl tert-butyl ether (MTBE)	11.8		"	10.0		118	76-135		19.4	30	
Methylcyclohexane	9.16		"	10.0		91.6	72-143		5.50	30	
Methylene chloride	10.2		"	10.0		102	55-137		9.30	30	
Naphthalene	12.5		"	10.0		125	70-147		17.8	30	
n-Butylbenzene	9.90		"	10.0		99.0	79-132		0.608	30	
n-Propylbenzene	9.13		"	10.0		91.3	78-133		0.328	30	
o-Xylene	10.0		"	10.0		100	78-130		5.33	30	
p- & m- Xylenes	20.1		"	20.0		100	77-133		4.59	30	
p-Diethylbenzene	9.74		"	10.0		97.4	84-134		0.412	30	
p-Ethyltoluene	9.42		"	10.0		94.2	88-129		0.639	30	
p-Isopropyltoluene	9.51		"	10.0		95.1	81-136		1.38	30	
sec-Butylbenzene	9.28		"	10.0		92.8	79-137		1.08	30	
Styrene	10.4		"	10.0		104	67-132		6.85	30	
tert-Amyl alcohol (TAA)	130		"	100		130	70-130		28.3	30	
tert-Amyl methyl ether (TAME)	11.6		"	10.0		116	70-130		17.9	30	
tert-Butyl alcohol (TBA)	73.5		"	50.0		147	25-162		31.5	30	Non-dir.
tert-Butylbenzene	8.99		"	10.0		89.9	77-138		0.333	30	
Tetrachloroethylene	5.49		"	10.0		54.9	82-131	Low Bias	4.66	30	
Tetrahydrofuran	12.0		"	10.0		120	36-166		16.3	30	
Toluene	10.0		"	10.0		100	80-127		4.70	30	
trans-1,2-Dichloroethylene	11.4		"	10.0		114	80-132		8.21	30	
trans-1,3-Dichloropropylene	9.97		"	10.0		99.7	78-131		10.9	30	
trans-1,4-dichloro-2-butene	9.58		"	10.0		95.8	63-141		9.40	30	
Trichloroethylene	9.67		"	10.0		96.7	82-128		4.76	30	
Trichlorofluoromethane	11.8		"	10.0		118	67-139		8.35	30	
Vinyl acetate	9.88		"	10.0		98.8	21-90	High Bias	4.13	30	
Vinyl Chloride	12.0		"	10.0		120	58-145		6.89	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.7*		*"*	*10.0*		*107*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.12*		*"*	*10.0*		*91.2*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.76*		*"*	*10.0*		*97.6*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF41760 - EPA 5030B											
Matrix Spike (BF41760-MS1)	*Source sample: 24F1678-01 (MW-1403)							Prepared & Analyzed: 06/26/2024			
1,1,1,2-Tetrachloroethane	11.8		ug/L	10.0	0.00	118	45-161				
1,1,1-Trichloroethane	14.6		"	10.0	0.00	146	70-146				
1,1,2,2-Tetrachloroethane	10.8		"	10.0	0.00	108	74-121				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	15.4		"	10.0	0.00	154	21-217				
1,1,2-Trichloroethane	11.0		"	10.0	0.00	110	59-146				
1,1-Dichloroethane	13.5		"	10.0	0.00	135	54-146				
1,1-Dichloroethylene	15.3		"	10.0	0.00	153	44-165				
1,1-Dichloropropylene	14.8		"	10.0	0.00	148	82-134	High Bias			
1,2,3-Trichlorobenzene	11.2		"	10.0	0.00	112	40-161				
1,2,3-Trichloropropane	11.0		"	10.0	0.00	110	74-127				
1,2,4,5-Tetramethylbenzene	11.2		"	10.0	0.00	112	27-190				
1,2,4-Trichlorobenzene	10.5		"	10.0	0.00	105	41-161				
1,2,4-Trimethylbenzene	11.7		"	10.0	0.00	117	72-129				
1,2-Dibromo-3-chloropropane	10.9		"	10.0	0.00	109	31-151				
1,2-Dibromoethane	11.0		"	10.0	0.00	110	75-125				
1,2-Dichlorobenzene	10.9		"	10.0	0.00	109	63-122				
1,2-Dichloroethane	13.4		"	10.0	0.00	134	68-131	High Bias			
1,2-Dichloropropane	11.6		"	10.0	0.00	116	77-121				
1,3,5-Trimethylbenzene	11.8		"	10.0	0.00	118	69-126				
1,3-Dichlorobenzene	11.2		"	10.0	0.00	112	74-119				
1,3-Dichloropropane	10.9		"	10.0	0.00	109	77-119				
1,4-Dichlorobenzene	11.0		"	10.0	0.00	110	70-124				
1,4-Dioxane	210		"	210	0.00	100	10-310				
2,2-Dichloropropane	13.5		"	10.0	0.00	135	10-160				
2-Butanone	11.8		"	10.0	1.30	105	10-193				
2-Chlorotoluene	11.4		"	10.0	0.00	114	70-126				
2-Hexanone	9.09		"	10.0	0.00	90.9	53-133				
4-Chlorotoluene	11.6		"	10.0	0.00	116	69-124				
4-Methyl-2-pentanone	9.95		"	10.0	0.00	99.5	38-150				
Acetone	9.26		"	10.0	4.27	49.9	13-149				
Acrolein	14.1		"	10.0	0.00	141	10-195				
Acrylonitrile	12.5		"	10.0	0.00	125	37-165				
Benzene	14.5		"	10.0	0.00	145	38-155				
Bromobenzene	11.1		"	10.0	0.00	111	72-122				
Bromochloromethane	12.5		"	10.0	0.00	125	75-121	High Bias			
Bromodichloromethane	11.9		"	10.0	0.00	119	70-129				
Bromoform	10.6		"	10.0	0.00	106	66-136				
Bromomethane	11.2		"	10.0	0.00	112	30-158				
Carbon disulfide	15.0		"	10.0	0.00	150	10-138	High Bias			
Carbon tetrachloride	14.7		"	10.0	0.00	147	71-146	High Bias			
Chlorobenzene	12.1		"	10.0	0.00	121	81-117	High Bias			
Chloroethane	14.7		"	10.0	0.00	147	51-145	High Bias			
Chloroform	14.6		"	10.0	0.590	140	80-124	High Bias			
Chloromethane	14.2		"	10.0	0.00	142	16-163				
cis-1,2-Dichloroethylene	14.0		"	10.0	0.260	138	76-125	High Bias			
cis-1,3-Dichloropropylene	10.9		"	10.0	0.00	109	58-131				
Cyclohexane	15.9		"	10.0	1.40	145	70-130	High Bias			
Dibromochloromethane	11.2		"	10.0	0.00	112	71-129				
Dibromomethane	11.2		"	10.0	0.00	112	76-120				
Dichlorodifluoromethane	19.8		"	10.0	0.00	198	30-147	High Bias			

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF41760 - EPA 5030B											
Matrix Spike (BF41760-MS1)	*Source sample: 24F1678-01 (MW-1403)							Prepared & Analyzed: 06/26/2024			
Diisopropyl ether (DIPE)	12.5		ug/L	10.0	0.00	125	70-130				
Ethyl Benzene	12.8		"	10.0	0.00	128	72-128				
Ethyl tert-butyl ether (ETBE)	12.2		"	10.0	0.00	122	70-130				
Hexachlorobutadiene	9.91		"	10.0	0.00	99.1	34-166				
Iodomethane	12.0		"	10.0	0.00	120	70-130				
Isopropylbenzene	12.4		"	10.0	0.260	121	66-139				
Methyl acetate	12.8		"	10.0	0.00	128	10-200				
Methyl Methacrylate	11.4		"	10.0	0.00	114	68-124				
Methyl tert-butyl ether (MTBE)	11.9		"	10.0	0.00	119	75-128				
Methylcyclohexane	11.8		"	10.0	0.00	118	70-130				
Methylene chloride	11.9		"	10.0	0.00	119	57-128				
Naphthalene	10.4		"	10.0	0.290	101	39-158				
n-Butylbenzene	12.4		"	10.0	0.00	124	61-138				
n-Propylbenzene	12.0		"	10.0	0.00	120	66-134				
o-Xylene	12.3		"	10.0	0.00	123	69-126				
p- & m- Xylenes	25.0		"	20.0	0.00	125	67-130				
p-Diethylbenzene	12.6		"	10.0	0.270	124	52-150				
p-Ethyltoluene	12.0		"	10.0	0.00	120	76-127				
p-Isopropyltoluene	11.9		"	10.0	0.00	119	64-137				
sec-Butylbenzene	12.4		"	10.0	0.360	121	53-155				
Styrene	12.0		"	10.0	0.00	120	69-125				
tert-Amyl alcohol (TAA)	118		"	100	0.00	118	70-130				
tert-Amyl methyl ether (TAME)	12.0		"	10.0	0.00	120	70-130				
tert-Butyl alcohol (TBA)	67.6		"	50.0	0.00	135	10-130	High Bias			
tert-Butylbenzene	11.4		"	10.0	0.00	114	65-139				
Tetrachloroethylene	7.78		"	10.0	0.370	74.1	64-139				
Tetrahydrofuran	2.49		"	10.0	0.00	24.9	10-188				
Toluene	12.6		"	10.0	0.00	126	76-123	High Bias			
trans-1,2-Dichloroethylene	14.3		"	10.0	0.00	143	79-131	High Bias			
trans-1,3-Dichloropropylene	10.8		"	10.0	0.00	108	55-130				
trans-1,4-dichloro-2-butene	10.3		"	10.0	0.00	103	25-155				
Trichloroethylene	13.3		"	10.0	0.930	124	53-145				
Trichlorofluoromethane	15.4		"	10.0	0.00	154	61-142	High Bias			
Vinyl acetate	15.5		"	10.0	0.00	155	10-87	High Bias			
Vinyl Chloride	15.2		"	10.0	0.00	152	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.91*		*"*	*10.0*		*99.1*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.20*		*"*	*10.0*		*92.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.95*		*"*	*10.0*		*99.5*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF41760 - EPA 5030B											
Matrix Spike Dup (BF41760-MSD1)	*Source sample: 24F1678-01 (MW-1403)								Prepared & Analyzed: 06/26/2024		
1,1,1,2-Tetrachloroethane	13.2		ug/L	10.0	0.00	132	45-161		10.8	30	
1,1,1-Trichloroethane	16.4		"	10.0	0.00	164	70-146	High Bias	12.1	30	
1,1,2,2-Tetrachloroethane	12.3		"	10.0	0.00	123	74-121	High Bias	12.9	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	16.9		"	10.0	0.00	169	21-217		9.47	30	
1,1,2-Trichloroethane	12.4		"	10.0	0.00	124	59-146		12.7	30	
1,1-Dichloroethane	15.5		"	10.0	0.00	155	54-146	High Bias	13.4	30	
1,1-Dichloroethylene	17.2		"	10.0	0.00	172	44-165	High Bias	11.5	30	
1,1-Dichloropropylene	16.0		"	10.0	0.00	160	82-134	High Bias	8.05	30	
1,2,3-Trichlorobenzene	12.7		"	10.0	0.00	127	40-161		13.2	30	
1,2,3-Trichloropropane	12.2		"	10.0	0.00	122	74-127		9.92	30	
1,2,4,5-Tetramethylbenzene	11.5		"	10.0	0.00	115	27-190		3.09	30	
1,2,4-Trichlorobenzene	11.0		"	10.0	0.00	110	41-161		4.00	30	
1,2,4-Trimethylbenzene	12.2		"	10.0	0.00	122	72-129		4.51	30	
1,2-Dibromo-3-chloropropane	12.3		"	10.0	0.00	123	31-151		11.9	30	
1,2-Dibromoethane	12.8		"	10.0	0.00	128	75-125	High Bias	14.7	30	
1,2-Dichlorobenzene	11.6		"	10.0	0.00	116	63-122		6.38	30	
1,2-Dichloroethane	15.2		"	10.0	0.00	152	68-131	High Bias	12.5	30	
1,2-Dichloropropane	13.3		"	10.0	0.00	133	77-121	High Bias	14.4	30	
1,3,5-Trimethylbenzene	12.4		"	10.0	0.00	124	69-126		4.95	30	
1,3-Dichlorobenzene	11.7		"	10.0	0.00	117	74-119		4.72	30	
1,3-Dichloropropane	12.5		"	10.0	0.00	125	77-119	High Bias	13.3	30	
1,4-Dichlorobenzene	11.5		"	10.0	0.00	115	70-124		4.98	30	
1,4-Dioxane	110		"	210	0.00	52.3	10-310		62.7	30	Non-dir.
2,2-Dichloropropane	15.4		"	10.0	0.00	154	10-160		13.0	30	
2-Butanone	14.3		"	10.0	1.30	130	10-193		18.9	30	
2-Chlorotoluene	12.1		"	10.0	0.00	121	70-126		5.28	30	
2-Hexanone	9.93		"	10.0	0.00	99.3	53-133		8.83	30	
4-Chlorotoluene	12.2		"	10.0	0.00	122	69-124		4.94	30	
4-Methyl-2-pentanone	11.5		"	10.0	0.00	115	38-150		14.1	30	
Acetone	10.2		"	10.0	4.27	59.0	13-149		9.37	30	
Acrolein	17.1		"	10.0	0.00	171	10-195		19.5	30	
Acrylonitrile	13.2		"	10.0	0.00	132	37-165		5.91	30	
Benzene	16.4		"	10.0	0.00	164	38-155	High Bias	12.0	30	
Bromobenzene	12.3		"	10.0	0.00	123	72-122	High Bias	9.99	30	
Bromochloromethane	14.4		"	10.0	0.00	144	75-121	High Bias	14.2	30	
Bromodichloromethane	13.6		"	10.0	0.00	136	70-129	High Bias	13.2	30	
Bromoform	11.9		"	10.0	0.00	119	66-136		11.7	30	
Bromomethane	16.0		"	10.0	0.00	160	30-158	High Bias	35.4	30	Non-dir.
Carbon disulfide	16.4		"	10.0	0.00	164	10-138	High Bias	8.72	30	
Carbon tetrachloride	16.4		"	10.0	0.00	164	71-146	High Bias	11.0	30	
Chlorobenzene	13.3		"	10.0	0.00	133	81-117	High Bias	9.29	30	
Chloroethane	16.4		"	10.0	0.00	164	51-145	High Bias	11.3	30	
Chloroform	16.7		"	10.0	0.590	161	80-124	High Bias	13.5	30	
Chloromethane	15.8		"	10.0	0.00	158	16-163		10.7	30	
cis-1,2-Dichloroethylene	16.0		"	10.0	0.260	158	76-125	High Bias	13.3	30	
cis-1,3-Dichloropropylene	12.6		"	10.0	0.00	126	58-131		14.5	30	
Cyclohexane	16.8		"	10.0	1.40	154	70-130	High Bias	5.44	30	
Dibromochloromethane	12.7		"	10.0	0.00	127	71-129		13.0	30	
Dibromomethane	12.8		"	10.0	0.00	128	76-120	High Bias	12.9	30	
Dichlorodifluoromethane	20.6		"	10.0	0.00	206	30-147	High Bias	3.91	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF41760 - EPA 5030B											
Matrix Spike Dup (BF41760-MSD1)	*Source sample: 24F1678-01 (MW-1403)							Prepared & Analyzed: 06/26/2024			
Diisopropyl ether (DIPE)	14.6		ug/L	10.0	0.00	146	70-130	High Bias	15.5	30	
Ethyl Benzene	13.8		"	10.0	0.00	138	72-128	High Bias	7.21	30	
Ethyl tert-butyl ether (ETBE)	14.5		"	10.0	0.00	145	70-130	High Bias	16.7	30	
Hexachlorobutadiene	9.96		"	10.0	0.00	99.6	34-166		0.503	30	
Iodomethane	15.5		"	10.0	0.00	155	70-130	High Bias	25.8	30	
Isopropylbenzene	13.2		"	10.0	0.260	129	66-139		6.18	30	
Methyl acetate	16.5		"	10.0	0.00	165	10-200		24.9	30	
Methyl Methacrylate	12.7		"	10.0	0.00	127	68-124	High Bias	11.0	30	
Methyl tert-butyl ether (MTBE)	14.1		"	10.0	0.00	141	75-128	High Bias	16.7	30	
Methylcyclohexane	11.7		"	10.0	0.00	117	70-130		0.766	30	
Methylene chloride	13.8		"	10.0	0.00	138	57-128	High Bias	15.5	30	
Naphthalene	12.0		"	10.0	0.290	118	39-158		14.9	30	
n-Butylbenzene	12.1		"	10.0	0.00	121	61-138		1.88	30	
n-Propylbenzene	12.3		"	10.0	0.00	123	66-134		2.64	30	
o-Xylene	13.4		"	10.0	0.00	134	69-126	High Bias	8.65	30	
p- & m- Xylenes	26.8		"	20.0	0.00	134	67-130	High Bias	7.10	30	
p-Diethylbenzene	12.4		"	10.0	0.270	121	52-150		2.08	30	
p-Ethyltoluene	12.4		"	10.0	0.00	124	76-127		3.44	30	
p-Isopropyltoluene	12.0		"	10.0	0.00	120	64-137		0.838	30	
sec-Butylbenzene	12.6		"	10.0	0.360	123	53-155		1.60	30	
Styrene	13.2		"	10.0	0.00	132	69-125	High Bias	9.75	30	
tert-Amyl alcohol (TAA)	137		"	100	0.00	137	70-130	High Bias	14.8	30	
tert-Amyl methyl ether (TAME)	13.9		"	10.0	0.00	139	70-130	High Bias	15.0	30	
tert-Butyl alcohol (TBA)	80.3		"	50.0	0.00	161	10-130	High Bias	17.2	30	
tert-Butylbenzene	12.1		"	10.0	0.00	121	65-139		6.03	30	
Tetrachloroethylene	8.03		"	10.0	0.370	76.6	64-139		3.16	30	
Tetrahydrofuran	13.4		"	10.0	0.00	134	10-188		137	30	Non-dir.
Toluene	14.0		"	10.0	0.00	140	76-123	High Bias	10.5	30	
trans-1,2-Dichloroethylene	16.2		"	10.0	0.00	162	79-131	High Bias	12.7	30	
trans-1,3-Dichloropropylene	12.5		"	10.0	0.00	125	55-130		14.2	30	
trans-1,4-dichloro-2-butene	11.6		"	10.0	0.00	116	25-155		12.1	30	
Trichloroethylene	14.9		"	10.0	0.930	140	53-145		11.5	30	
Trichlorofluoromethane	16.9		"	10.0	0.00	169	61-142	High Bias	9.47	30	
Vinyl acetate	17.8		"	10.0	0.00	178	10-87	High Bias	14.0	30	
Vinyl Chloride	16.9		"	10.0	0.00	169	31-165	High Bias	11.2	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.95*		*"*	*10.0*		*99.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.20*		*"*	*10.0*		*92.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24F1678-01	MW-1403	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24F1678-02	MW-1402	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24F1678-03	MW-00X	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 2161 Whitesville Rd Toms River, NJ 08755 clientservices@yorklab.com 800-306-YORK

YORK Project Number: 24F1678

Page 1 of 1

Report To:	Invoice To:
Company: G2A GeoEnvironmental	Company: G2A GeoEnvironmental
Address: 104 W 29th street, 10th Fl	Address: 104 W 29th Street, 10th Fl
Phone.: 332-208-2260	Phone.: 332-208-2260
Contact: Mark Hutson	Contact: Mark Hutson
E-mail: mark.hutson@g2a.com	E-mail: mark.hutson@g2a.com

YOUR Project Name / Number: (Project NO. 41.0163281.00) 1107 Dekalb Avenue

PO Number:

Samples Collected From: NY ✓ | NJ | CT | PA | Other: (please specify)

Turn-Around Time: RUSH - Next Day | RUSH - Two Day | RUSH - Three Day | RUSH - Four Day | RUSH - Five Day | Standard (6-9 Day) ✓ | PFAS Standard 7-10 Day

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Yunmee Han

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil/solid/sludge; GW - groundwater; DW - drinking water; SW - surface water; WW - wastewater; O - Oil; Other

Preservative (please list number of containers)

Analyses Requested

Sample Identification	Date	Time	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO_3 (nitric acid)	H_2SO_4 (sulfuric acid)	NaOH (sodium hydroxide)	$Na_2S_2O_3$ (sodium thio.)	Trizma	Ammonium Acetate	Other:	TCL 8260	Full Normal 8260 List	TO-15	Grab or Comp. G/C
MW-1403	6/25/24	09:55	GW		V3									3	3		
MW-1403-MS	↓	↓	↓		V3									3	3		
MW-1403-MSD	↓	↓	↓		V3									3	3		
MW-1402	6/25/24	11:22	GW		V3									3	3		
~~Dup~~ (Yr1) MW-00X	6/25/24	11:22	GW		V3									3	3		
Influent	6/25/24	12:35	Air	V1												✓	
Effluent	6/25/24	12:37	Air	V1												✓	

Report Type (circle): QA Report; Summary (Results Only); NY ASP B Package; NJ Reduced; NJ DKQP; NJ Full; CT RCP

EDD Type (circle): EQuIS (standard); NYSDEC EQuIS; NJDEP SRP Haz Site; Standard Excel; CMDP; Other:

Regulatory Comparative

Compared to the following Regulation(s): (please fill in)

Field Filtered

Lab Filtered

Comments:

Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N

Custody Seals: Y / N Containers Intact: Y / N COC/Labels Agreed: Y / N Preservation Confirmed: Y / N

COC Complete: Y / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N

Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N

Samples iced/chilled at time of lab pickup? circle Yes or No

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Yunmee Han	6/25/24 1530	[signature] / Ault	6/25/24 1530	[signature] / Ault	6/25/24 1945
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				KOA	6/25/24 19:45 / 2.3 Degrees C

Technical Report

prepared for:

GZA GeoEnvironmental, Inc. - NYC
104 West 29th Street, 10th Floor
New York NY, 10001
Attention: Mark Hutson

Report Date: 09/30/2024
Client Project ID: 41.0163281.00
York Project (SDG) No.: 24I1449

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723

Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

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Report Date: 09/30/2024
Client Project ID: 41.0163281.00
York Project (SDG) No.: 24I1449

GZA GeoEnvironmental, Inc. - NYC
104 West 29th Street, 10th Floor
New York NY, 10001
Attention: Mark Hutson

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 24, 2024 and listed below. The project was identified as your project: **41.0163281.00**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
24I1449-01	MW-1402	Ground Water	09/24/2024	09/24/2024
24I1449-02	MW-1403	Ground Water	09/24/2024	09/24/2024
24I1449-03	9.24.2024_Duplicate	Ground Water	09/24/2024	09/24/2024
24I1449-04	Trip Blank	Ground Water	09/24/2024	09/24/2024

General Notes for York Project (SDG) No.: 24I1449

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By: Cassie L. Mosher

Cassie L. Mosher
Laboratory Manager

Date: 09/30/2024

Sample Information

Client Sample ID: **MW-1402** **York Sample ID:** **24I1449-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1449	41.0163281.00	Ground Water	September 24, 2024 1:00 pm	09/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
79-34-5	1,1,2,2-Tetrachloroethane	ND	CCVE	ug/L	0.256	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
95-93-2	*** 1,2,4,5-Tetramethylbenzene**	**8.90**	QL-02	ug/L	0.255	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
95-63-6	**1,2,4-Trimethylbenzene**	**72.0**	QL-02	ug/L	3.10	5.00	10	EPA 8260D Certifications:	09/27/2024 02:00	09/28/2024 00:53	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-67-8	**1,3,5-Trimethylbenzene**	**8.31**		ug/L	0.347	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C
541-73-1	1,3-Dichlorobenzene	ND	QL-02	ug/L	0.283	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
106-46-7	1,4-Dichlorobenzene	ND	QL-02	ug/L	0.311	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT

Sample Information

Client Sample ID: MW-1402 **York Sample ID:** 24I1449-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1449	41.0163281.00	Ground Water	September 24, 2024 1:00 pm	09/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND	CCVE	ug/L	35.3	80.0	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
78-93-3	**2-Butanone**	**1.65**		ug/L	0.421	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
67-64-1	**Acetone**	**3.85**	ICVE, QL-02	ug/L	1.34	2.00	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
156-59-2	**cis-1,2-Dichloroethylene**	**2.41**		ug/L	0.294	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		

Sample Information

Client Sample ID: **MW-1402** **York Sample ID:** **24I1449-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1449	41.0163281.00	Ground Water	September 24, 2024 1:00 pm	09/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
110-82-7	**Cyclohexane**	**9.91**		ug/L	0.491	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
100-41-4	**Ethyl Benzene**	**60.0**		ug/L	2.90	5.00	10	EPA 8260D Certifications:	09/27/2024 02:00	09/28/2024 00:53	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
74-88-4	* Iodomethane	ND	ICVE	ug/L	0.477	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO
98-82-8	**Isopropylbenzene**	**21.6**		ug/L	0.405	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-87-2	**Methylcyclohexane**	**3.44**		ug/L	0.477	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
91-20-3	**Naphthalene**	**21.5**		ug/L	0.212	2.00	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
104-51-8	**n-Butylbenzene**	**2.13**		ug/L	0.399	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C
103-65-1	**n-Propylbenzene**	**45.8**		ug/L	0.384	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C
95-47-6	**o-Xylene**	**0.290**		ug/L	0.261	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68
179601-23-1	**p- & m- Xylenes**	**56.4**		ug/L	0.578	1.00	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68
105-05-5	* **p-Diethylbenzene**	**5.97**	QL-02	ug/L	0.341	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO
622-96-8	* **p-Ethyltoluene**	**21.4**		ug/L	0.200	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO

Sample Information

Client Sample ID: MW-1402 **York Sample ID:** 24I1449-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1449	41.0163281.00	Ground Water	September 24, 2024 1:00 pm	09/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	**p-Isopropyltoluene**	**0.460**		ug/L	0.377	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
135-98-8	**sec-Butylbenzene**	**2.82**		ug/L	0.444	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:			
108-88-3	**Toluene**	**1.33**		ug/L	0.346	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-01-6	**Trichloroethylene**	**0.860**		ug/L	0.249	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
1330-20-7	**Xylenes, Total**	**56.7**		ug/L	0.839	1.50	1	EPA 8260D	09/26/2024 02:00	09/27/2024 04:05	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*106 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.0 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.1 %*	*79-122*

Sample Information

Client Sample ID: MW-1403 **York Sample ID:** 24I1449-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1449	41.0163281.00	Ground Water	September 24, 2024 1:55 pm	09/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
79-34-5	1,1,2,2-Tetrachloroethane	ND	CCVE	ug/L	0.256	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
95-93-2	*** 1,2,4,5-Tetramethylbenzene**	**0.290**	QL-02	ug/L	0.255	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
541-73-1	1,3-Dichlorobenzene	ND	QL-02	ug/L	0.283	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
106-46-7	1,4-Dichlorobenzene	ND	QL-02	ug/L	0.311	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
123-91-1	1,4-Dioxane	ND	CCVE	ug/L	35.3	80.0	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04

Sample Information

Client Sample ID: MW-1403 **York Sample ID:** 24I1449-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1449	41.0163281.00	Ground Water	September 24, 2024 1:55 pm	09/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT

Sample Information

Client Sample ID: MW-1403 **York Sample ID:** 24I1449-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1449	41.0163281.00	Ground Water	September 24, 2024 1:55 pm	09/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	**Cyclohexane**	**1.79**		ug/L	0.491	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
74-88-4	* Iodomethane	ND	ICVE	ug/L	0.477	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:			
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-		
105-05-5	* p-Diethylbenzene	ND	QL-02	ug/L	0.341	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: MW-1403 **York Sample ID:** 24I1449-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1449	41.0163281.00	Ground Water	September 24, 2024 1:55 pm	09/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	**sec-Butylbenzene**	**1.60**		ug/L	0.444	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
127-18-4	**Tetrachloroethylene**	**0.360**	ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:			
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-01-6	**Trichloroethylene**	**0.910**		ug/L	0.249	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:09	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.2 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*79-122*

Sample Information

Client Sample ID: 9.24.2024_Duplicate **York Sample ID:** 24I1449-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1449	41.0163281.00	Ground Water	September 24, 2024 2:00 pm	09/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
79-34-5	1,1,2,2-Tetrachloroethane	ND	CCVE	ug/L	0.256	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND	QL-02	ug/L	0.255	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
541-73-1	1,3-Dichlorobenzene	ND	QL-02	ug/L	0.283	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
106-46-7	1,4-Dichlorobenzene	ND	QL-02	ug/L	0.311	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
123-91-1	1,4-Dioxane	ND	CCVE	ug/L	35.3	80.0	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04

Sample Information

Client Sample ID: 9.24.2024_Duplicate **York Sample ID:** 24I1449-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1449	41.0163281.00	Ground Water	September 24, 2024 2:00 pm	09/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT

Sample Information

Client Sample ID: 9.24.2024_Duplicate **York Sample ID:** 24I1449-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1449	41.0163281.00	Ground Water	September 24, 2024 2:00 pm	09/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	**Cyclohexane**	**1.21**		ug/L	0.491	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
74-88-4	* Iodomethane	ND	ICVE	ug/L	0.477	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:			
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-		
105-05-5	* p-Diethylbenzene	ND	QL-02	ug/L	0.341	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: 9.24.2024_Duplicate **York Sample ID:** 24I1449-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1449	41.0163281.00	Ground Water	September 24, 2024 2:00 pm	09/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	**sec-Butylbenzene**	**1.06**		ug/L	0.444	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:			
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-01-6	**Trichloroethylene**	**0.770**		ug/L	0.249	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D	09/26/2024 02:00	09/27/2024 03:37	FO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.7 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*79-122*

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24I1449-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1449	41.0163281.00	Ground Water	September 24, 2024 1:55 pm	09/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND	CCVE	ug/L	0.256	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	FO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND	QL-02	ug/L	0.255	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
541-73-1	1,3-Dichlorobenzene	ND	QL-02	ug/L	0.283	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	FO
106-46-7	1,4-Dichlorobenzene	ND	QL-02	ug/L	0.311	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
123-91-1	1,4-Dioxane	ND	CCVE	ug/L	35.3	80.0	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	FO

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24I1449-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1449	41.0163281.00	Ground Water	September 24, 2024 1:55 pm	09/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	FO
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
74-87-3	**Chloromethane**	**1.51**		ug/L	0.372	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24I1449-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1449	41.0163281.00	Ground Water	September 24, 2024 1:55 pm	09/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	FO
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	FO
74-88-4	* Iodomethane	ND	ICVE	ug/L	0.477	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	FO
105-05-5	* p-Diethylbenzene	ND	QL-02	ug/L	0.341	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24I1449-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1449	41.0163281.00	Ground Water	September 24, 2024 1:55 pm	09/24/2024

Volatile Organics, 8260 - Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	FO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications:	09/26/2024 02:00	09/26/2024 21:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	FO

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.6 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.0 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*79-122*

Analytical Batch Summary

Batch ID: BI41686 **Preparation Method:** EPA 5030B **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24I1449-01	MW-1402	09/26/24
24I1449-02	MW-1403	09/26/24
24I1449-03	9.24.2024_Duplicate	09/26/24
24I1449-04	Trip Blank	09/26/24
BI41686-BLK1	Blank	09/26/24
BI41686-BS1	LCS	09/26/24
BI41686-BSD1	LCS Dup	09/26/24
BI41686-MS1	Matrix Spike	09/26/24
BI41686-MSD1	Matrix Spike Dup	09/26/24

Batch ID: BI41780 **Preparation Method:** EPA 5030B **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24I1449-01RE1	MW-1402	09/27/24
BI41780-BLK1	Blank	09/27/24
BI41780-BS1	LCS	09/27/24
BI41780-BSD1	LCS Dup	09/27/24

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41686 - EPA 5030B											
Blank (BI41686-BLK1)									Prepared & Analyzed: 09/26/2024		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4,5-Tetramethylbenzene	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41686 - EPA 5030B											
Blank (BI41686-BLK1)									Prepared & Analyzed: 09/26/2024		
Dichlorodifluoromethane	ND	0.500	ug/L								
Diisopropyl ether (DIPE)	ND	0.800	"								
Ethyl Benzene	ND	0.500	"								
Ethyl tert-butyl ether (ETBE)	ND	0.800	"								
Hexachlorobutadiene	ND	0.500	"								
Iodomethane	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl Methacrylate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Amyl alcohol (TAA)	ND	8.00	"								
tert-Amyl methyl ether (TAME)	ND	0.800	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Tetrahydrofuran	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
trans-1,4-dichloro-2-butene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.85*		"	*10.0*		*98.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.80*		"	*10.0*		*98.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.0*		"	*10.0*		*100*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41686 - EPA 5030B											
LCS (BI41686-BS1)								Prepared & Analyzed: 09/26/2024			
1,1,1,2-Tetrachloroethane	9.19		ug/L	10.0		91.9	82-126				
1,1,1-Trichloroethane	9.50		"	10.0		95.0	78-136				
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.59		"	10.0		95.9	54-165				
1,1,2-Trichloroethane	8.97		"	10.0		89.7	82-123				
1,1-Dichloroethane	9.18		"	10.0		91.8	82-129				
1,1-Dichloroethylene	9.69		"	10.0		96.9	68-138				
1,1-Dichloropropylene	9.60		"	10.0		96.0	83-133				
1,2,3-Trichlorobenzene	8.55		"	10.0		85.5	76-136				
1,2,3-Trichloropropane	9.04		"	10.0		90.4	77-128				
1,2,4,5-Tetramethylbenzene	8.24		"	10.0		82.4	85-140	Low Bias			
1,2,4-Trichlorobenzene	8.77		"	10.0		87.7	76-137				
1,2,4-Trimethylbenzene	9.09		"	10.0		90.9	82-132				
1,2-Dibromo-3-chloropropane	9.05		"	10.0		90.5	45-147				
1,2-Dibromoethane	9.25		"	10.0		92.5	83-124				
1,2-Dichlorobenzene	8.83		"	10.0		88.3	79-123				
1,2-Dichloroethane	9.41		"	10.0		94.1	73-132				
1,2-Dichloropropane	9.00		"	10.0		90.0	78-126				
1,3,5-Trimethylbenzene	8.94		"	10.0		89.4	80-131				
1,3-Dichlorobenzene	8.73		"	10.0		87.3	86-122				
1,3-Dichloropropane	8.93		"	10.0		89.3	81-125				
1,4-Dichlorobenzene	8.73		"	10.0		87.3	85-124				
1,4-Dioxane	195		"	210		93.0	10-349				
2,2-Dichloropropane	9.31		"	10.0		93.1	56-150				
2-Butanone	9.65		"	10.0		96.5	49-152				
2-Chlorotoluene	8.85		"	10.0		88.5	79-130				
2-Hexanone	8.16		"	10.0		81.6	51-146				
4-Chlorotoluene	8.85		"	10.0		88.5	79-128				
4-Methyl-2-pentanone	8.71		"	10.0		87.1	57-145				
Acetone	22.4		"	10.0		224	14-150	High Bias			
Acrolein	10.7		"	10.0		107	10-153				
Acrylonitrile	9.76		"	10.0		97.6	51-150				
Benzene	9.85		"	10.0		98.5	85-126				
Bromobenzene	8.86		"	10.0		88.6	78-129				
Bromochloromethane	9.32		"	10.0		93.2	77-128				
Bromodichloromethane	9.01		"	10.0		90.1	79-128				
Bromoform	9.48		"	10.0		94.8	78-133				
Bromomethane	12.1		"	10.0		121	43-168				
Carbon disulfide	11.2		"	10.0		112	68-146				
Carbon tetrachloride	9.97		"	10.0		99.7	77-141				
Chlorobenzene	9.05		"	10.0		90.5	88-120				
Chloroethane	10.1		"	10.0		101	65-136				
Chloroform	9.27		"	10.0		92.7	82-128				
Chloromethane	10.9		"	10.0		109	43-155				
cis-1,2-Dichloroethylene	9.29		"	10.0		92.9	83-129				
cis-1,3-Dichloropropylene	8.88		"	10.0		88.8	80-131				
Cyclohexane	10.4		"	10.0		104	63-149				
Dibromochloromethane	9.34		"	10.0		93.4	80-130				
Dibromomethane	8.96		"	10.0		89.6	72-134				
Dichlorodifluoromethane	13.7		"	10.0		137	44-144				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41686 - EPA 5030B											
LCS (BI41686-BS1)								Prepared & Analyzed: 09/26/2024			
Diisopropyl ether (DIPE)	9.48		ug/L	10.0		94.8	70-130				
Ethyl Benzene	9.34		"	10.0		93.4	80-131				
Ethyl tert-butyl ether (ETBE)	9.43		"	10.0		94.3	70-130				
Hexachlorobutadiene	8.36		"	10.0		83.6	67-146				
Iodomethane	8.67		"	10.0		86.7	70-130				
Isopropylbenzene	9.02		"	10.0		90.2	76-140				
Methyl acetate	7.64		"	10.0		76.4	51-139				
Methyl Methacrylate	9.40		"	10.0		94.0	72-132				
Methyl tert-butyl ether (MTBE)	8.87		"	10.0		88.7	76-135				
Methylcyclohexane	8.88		"	10.0		88.8	72-143				
Methylene chloride	11.1		"	10.0		111	55-137				
Naphthalene	8.74		"	10.0		87.4	70-147				
n-Butylbenzene	8.63		"	10.0		86.3	79-132				
n-Propylbenzene	9.49		"	10.0		94.9	78-133				
o-Xylene	9.00		"	10.0		90.0	78-130				
p- & m- Xylenes	19.1		"	20.0		95.4	77-133				
p-Diethylbenzene	8.48		"	10.0		84.8	84-134				
p-Ethyltoluene	9.19		"	10.0		91.9	88-129				
p-Isopropyltoluene	8.93		"	10.0		89.3	81-136				
sec-Butylbenzene	8.71		"	10.0		87.1	79-137				
Styrene	9.18		"	10.0		91.8	67-132				
tert-Amyl alcohol (TAA)	100		"	100		100	70-130				
tert-Amyl methyl ether (TAME)	9.52		"	10.0		95.2	70-130				
tert-Butyl alcohol (TBA)	54.7		"	50.0		109	25-162				
tert-Butylbenzene	8.64		"	10.0		86.4	77-138				
Tetrachloroethylene	4.77		"	10.0		47.7	82-131	Low Bias			
Tetrahydrofuran	9.67		"	10.0		96.7	36-166				
Toluene	9.27		"	10.0		92.7	80-127				
trans-1,2-Dichloroethylene	9.53		"	10.0		95.3	80-132				
trans-1,3-Dichloropropylene	8.99		"	10.0		89.9	78-131				
trans-1,4-dichloro-2-butene	8.57		"	10.0		85.7	63-141				
Trichloroethylene	9.90		"	10.0		99.0	82-128				
Trichlorofluoromethane	10.2		"	10.0		102	67-139				
Vinyl acetate	27.6		"	10.0		276	21-90	High Bias			
Vinyl Chloride	10.9		"	10.0		109	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.69*		*"*	*10.0*		*96.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.91*		*"*	*10.0*		*99.1*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41686 - EPA 5030B											
LCS Dup (BI41686-BSD1)								Prepared & Analyzed: 09/26/2024			
1,1,1,2-Tetrachloroethane	9.00		ug/L	10.0		90.0	82-126		2.09	30	
1,1,1-Trichloroethane	9.19		"	10.0		91.9	78-136		3.32	30	
1,1,2,2-Tetrachloroethane	9.86		"	10.0		98.6	76-129		2.80	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.21		"	10.0		92.1	54-165		4.04	30	
1,1,2-Trichloroethane	8.72		"	10.0		87.2	82-123		2.83	30	
1,1-Dichloroethane	8.91		"	10.0		89.1	82-129		2.99	30	
1,1-Dichloroethylene	9.34		"	10.0		93.4	68-138		3.68	30	
1,1-Dichloropropylene	9.24		"	10.0		92.4	83-133		3.82	30	
1,2,3-Trichlorobenzene	8.25		"	10.0		82.5	76-136		3.57	30	
1,2,3-Trichloropropane	8.87		"	10.0		88.7	77-128		1.90	30	
1,2,4,5-Tetramethylbenzene	8.06		"	10.0		80.6	85-140	Low Bias	2.21	30	
1,2,4-Trichlorobenzene	8.46		"	10.0		84.6	76-137		3.60	30	
1,2,4-Trimethylbenzene	8.86		"	10.0		88.6	82-132		2.56	30	
1,2-Dibromo-3-chloropropane	8.62		"	10.0		86.2	45-147		4.87	30	
1,2-Dibromoethane	8.97		"	10.0		89.7	83-124		3.07	30	
1,2-Dichlorobenzene	8.68		"	10.0		86.8	79-123		1.71	30	
1,2-Dichloroethane	9.09		"	10.0		90.9	73-132		3.46	30	
1,2-Dichloropropane	8.89		"	10.0		88.9	78-126		1.23	30	
1,3,5-Trimethylbenzene	8.79		"	10.0		87.9	80-131		1.69	30	
1,3-Dichlorobenzene	8.56		"	10.0		85.6	86-122	Low Bias	1.97	30	
1,3-Dichloropropane	8.79		"	10.0		87.9	81-125		1.58	30	
1,4-Dichlorobenzene	8.47		"	10.0		84.7	85-124	Low Bias	3.02	30	
1,4-Dioxane	195		"	210		93.0	10-349		0.0410	30	
2,2-Dichloropropane	8.88		"	10.0		88.8	56-150		4.73	30	
2-Butanone	9.28		"	10.0		92.8	49-152		3.91	30	
2-Chlorotoluene	8.61		"	10.0		86.1	79-130		2.75	30	
2-Hexanone	7.96		"	10.0		79.6	51-146		2.48	30	
4-Chlorotoluene	8.61		"	10.0		86.1	79-128		2.75	30	
4-Methyl-2-pentanone	8.50		"	10.0		85.0	57-145		2.44	30	
Acetone	22.0		"	10.0		220	14-150	High Bias	1.94	30	
Acrolein	10.6		"	10.0		106	10-153		1.22	30	
Acrylonitrile	9.77		"	10.0		97.7	51-150		0.102	30	
Benzene	9.55		"	10.0		95.5	85-126		3.09	30	
Bromobenzene	8.69		"	10.0		86.9	78-129		1.94	30	
Bromochloromethane	9.05		"	10.0		90.5	77-128		2.94	30	
Bromodichloromethane	8.85		"	10.0		88.5	79-128		1.79	30	
Bromoform	9.31		"	10.0		93.1	78-133		1.81	30	
Bromomethane	13.8		"	10.0		138	43-168		12.7	30	
Carbon disulfide	10.7		"	10.0		107	68-146		3.93	30	
Carbon tetrachloride	9.58		"	10.0		95.8	77-141		3.99	30	
Chlorobenzene	8.84		"	10.0		88.4	88-120		2.35	30	
Chloroethane	9.77		"	10.0		97.7	65-136		3.22	30	
Chloroform	9.02		"	10.0		90.2	82-128		2.73	30	
Chloromethane	11.1		"	10.0		111	43-155		1.81	30	
cis-1,2-Dichloroethylene	9.02		"	10.0		90.2	83-129		2.95	30	
cis-1,3-Dichloropropylene	8.66		"	10.0		86.6	80-131		2.51	30	
Cyclohexane	10.0		"	10.0		100	63-149		3.83	30	
Dibromochloromethane	9.09		"	10.0		90.9	80-130		2.71	30	
Dibromomethane	8.72		"	10.0		87.2	72-134		2.71	30	
Dichlorodifluoromethane	13.0		"	10.0		130	44-144		5.18	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41686 - EPA 5030B											
LCS Dup (BI41686-BSD1)								Prepared & Analyzed: 09/26/2024			
Diisopropyl ether (DIPE)	9.32		ug/L	10.0		93.2	70-130		1.70	30	
Ethyl Benzene	9.11		"	10.0		91.1	80-131		2.49	30	
Ethyl tert-butyl ether (ETBE)	9.22		"	10.0		92.2	70-130		2.25	30	
Hexachlorobutadiene	8.26		"	10.0		82.6	67-146		1.20	30	
Iodomethane	7.60		"	10.0		76.0	70-130		13.2	30	
Isopropylbenzene	8.76		"	10.0		87.6	76-140		2.92	30	
Methyl acetate	7.54		"	10.0		75.4	51-139		1.32	30	
Methyl Methacrylate	9.15		"	10.0		91.5	72-132		2.70	30	
Methyl tert-butyl ether (MTBE)	8.62		"	10.0		86.2	76-135		2.86	30	
Methylcyclohexane	8.51		"	10.0		85.1	72-143		4.26	30	
Methylene chloride	11.5		"	10.0		115	55-137		3.55	30	
Naphthalene	8.52		"	10.0		85.2	70-147		2.55	30	
n-Butylbenzene	8.33		"	10.0		83.3	79-132		3.54	30	
n-Propylbenzene	9.21		"	10.0		92.1	78-133		2.99	30	
o-Xylene	8.82		"	10.0		88.2	78-130		2.02	30	
p- & m- Xylenes	18.6		"	20.0		93.1	77-133		2.44	30	
p-Diethylbenzene	8.16		"	10.0		81.6	84-134	Low Bias	3.85	30	
p-Ethyltoluene	8.97		"	10.0		89.7	88-129		2.42	30	
p-Isopropyltoluene	8.63		"	10.0		86.3	81-136		3.42	30	
sec-Butylbenzene	8.46		"	10.0		84.6	79-137		2.91	30	
Styrene	8.94		"	10.0		89.4	67-132		2.65	30	
tert-Amyl alcohol (TAA)	97.0		"	100		97.0	70-130		3.55	30	
tert-Amyl methyl ether (TAME)	9.31		"	10.0		93.1	70-130		2.23	30	
tert-Butyl alcohol (TBA)	53.2		"	50.0		106	25-162		2.78	30	
tert-Butylbenzene	8.48		"	10.0		84.8	77-138		1.87	30	
Tetrachloroethylene	4.59		"	10.0		45.9	82-131	Low Bias	3.85	30	
Tetrahydrofuran	9.45		"	10.0		94.5	36-166		2.30	30	
Toluene	9.10		"	10.0		91.0	80-127		1.85	30	
trans-1,2-Dichloroethylene	9.15		"	10.0		91.5	80-132		4.07	30	
trans-1,3-Dichloropropylene	8.79		"	10.0		87.9	78-131		2.25	30	
trans-1,4-dichloro-2-butene	8.37		"	10.0		83.7	63-141		2.36	30	
Trichloroethylene	9.70		"	10.0		97.0	82-128		2.04	30	
Trichlorofluoromethane	9.79		"	10.0		97.9	67-139		4.30	30	
Vinyl acetate	27.0		"	10.0		270	21-90	High Bias	2.20	30	
Vinyl Chloride	10.4		"	10.0		104	58-145		4.13	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.75*		*"*	*10.0*		*97.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.78*		*"*	*10.0*		*97.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.92*		*"*	*10.0*		*99.2*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41686 - EPA 5030B											
Matrix Spike (BI41686-MS1)	*Source sample: 24I1449-01 (MW-1402)							Prepared: 09/26/2024 Analyzed: 09/27/2024			
1,1,1,2-Tetrachloroethane	11.6		ug/L	10.0	0.00	116	45-161				
1,1,1-Trichloroethane	11.6		"	10.0	0.00	116	70-146				
1,1,2,2-Tetrachloroethane	11.6		"	10.0	0.00	116	74-121				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0	0.00	112	21-217				
1,1,2-Trichloroethane	10.4		"	10.0	0.00	104	59-146				
1,1-Dichloroethane	10.9		"	10.0	0.00	109	54-146				
1,1-Dichloroethylene	11.6		"	10.0	0.00	116	44-165				
1,1-Dichloropropylene	11.7		"	10.0	0.00	117	82-134				
1,2,3-Trichlorobenzene	8.64		"	10.0	0.00	86.4	40-161				
1,2,3-Trichloropropane	10.7		"	10.0	0.00	107	74-127				
1,2,4,5-Tetramethylbenzene	14.6		"	10.0	8.90	57.1	27-190				
1,2,4-Trichlorobenzene	9.30		"	10.0	0.00	93.0	41-161				
1,2,4-Trimethylbenzene	84.3		"	10.0	122	NR	72-129	Low Bias			
1,2-Dibromo-3-chloropropane	9.96		"	10.0	0.00	99.6	31-151				
1,2-Dibromoethane	10.6		"	10.0	0.00	106	75-125				
1,2-Dichlorobenzene	10.1		"	10.0	0.00	101	63-122				
1,2-Dichloroethane	10.8		"	10.0	0.00	108	68-131				
1,2-Dichloropropane	10.7		"	10.0	0.00	107	77-121				
1,3,5-Trimethylbenzene	15.4		"	10.0	8.31	70.6	69-126				
1,3-Dichlorobenzene	10.1		"	10.0	0.00	101	74-119				
1,3-Dichloropropane	10.3		"	10.0	0.00	103	77-119				
1,4-Dichlorobenzene	10.1		"	10.0	0.00	101	70-124				
1,4-Dioxane	216		"	210	0.00	103	10-310				
2,2-Dichloropropane	8.80		"	10.0	0.00	88.0	10-160				
2-Butanone	11.4		"	10.0	1.65	98.0	10-193				
2-Chlorotoluene	10.3		"	10.0	0.00	103	70-126				
2-Hexanone	9.25		"	10.0	0.00	92.5	53-133				
4-Chlorotoluene	10.3		"	10.0	0.00	103	69-124				
4-Methyl-2-pentanone	10.1		"	10.0	0.00	101	38-150				
Acetone	27.1		"	10.0	3.85	232	13-149	High Bias			
Acrolein	16.0		"	10.0	0.00	160	10-195				
Acrylonitrile	10.5		"	10.0	0.00	105	37-165				
Benzene	11.8		"	10.0	0.00	118	38-155				
Bromobenzene	10.3		"	10.0	0.00	103	72-122				
Bromochloromethane	10.9		"	10.0	0.00	109	75-121				
Bromodichloromethane	10.7		"	10.0	0.00	107	70-129				
Bromoform	10.9		"	10.0	0.00	109	66-136				
Bromomethane	13.2		"	10.0	0.00	132	30-158				
Carbon disulfide	13.3		"	10.0	0.00	133	10-138				
Carbon tetrachloride	12.2		"	10.0	0.00	122	71-146				
Chlorobenzene	10.7		"	10.0	0.00	107	81-117				
Chloroethane	12.0		"	10.0	0.00	120	51-145				
Chloroform	11.0		"	10.0	0.00	110	80-124				
Chloromethane	12.9		"	10.0	0.00	129	16-163				
cis-1,2-Dichloroethylene	12.2		"	10.0	2.41	98.0	76-125				
cis-1,3-Dichloropropylene	10.0		"	10.0	0.00	100	58-131				
Cyclohexane	16.1		"	10.0	9.91	61.6	70-130	Low Bias			
Dibromochloromethane	10.8		"	10.0	0.00	108	71-129				
Dibromomethane	10.3		"	10.0	0.00	103	76-120				
Dichlorodifluoromethane	13.8		"	10.0	0.00	138	30-147				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41686 - EPA 5030B											
Matrix Spike (BI41686-MS1)	*Source sample: 24I1449-01 (MW-1402)							Prepared: 09/26/2024 Analyzed: 09/27/2024			
Diisopropyl ether (DIPE)	10.9		ug/L	10.0	0.00	109	70-130				
Ethyl Benzene	68.7		"	10.0	97.9	NR	72-128	Low Bias			
Ethyl tert-butyl ether (ETBE)	10.6		"	10.0	0.00	106	70-130				
Hexachlorobutadiene	8.62		"	10.0	0.00	86.2	34-166				
Iodomethane	12.4		"	10.0	0.00	124	70-130				
Isopropylbenzene	23.4		"	10.0	21.6	17.2	66-139	Low Bias			
Methyl acetate	47.0		"	10.0	0.00	470	10-200	High Bias			
Methyl Methacrylate	12.8		"	10.0	0.00	128	68-124	High Bias			
Methyl tert-butyl ether (MTBE)	9.91		"	10.0	0.00	99.1	75-128				
Methylcyclohexane	11.8		"	10.0	3.44	83.3	70-130				
Methylene chloride	11.8		"	10.0	0.00	118	57-128				
Naphthalene	24.2		"	10.0	21.5	26.8	39-158	Low Bias			
n-Butylbenzene	10.6		"	10.0	2.13	85.1	61-138				
n-Propylbenzene	37.4		"	10.0	45.8	NR	66-134	Low Bias			
o-Xylene	10.8		"	10.0	0.290	106	69-126				
p- & m- Xylenes	47.1		"	20.0	56.4	NR	67-130	Low Bias			
p-Diethylbenzene	12.5		"	10.0	5.97	65.2	52-150				
p-Ethyltoluene	23.0		"	10.0	21.4	15.4	76-127	Low Bias			
p-Isopropyltoluene	10.5		"	10.0	0.460	100	64-137				
sec-Butylbenzene	11.6		"	10.0	2.82	88.3	53-155				
Styrene	10.8		"	10.0	0.00	108	69-125				
tert-Amyl alcohol (TAA)	110		"	100	0.00	110	70-130				
tert-Amyl methyl ether (TAME)	10.7		"	10.0	0.00	107	70-130				
tert-Butyl alcohol (TBA)	59.2		"	50.0	0.00	118	10-130				
tert-Butylbenzene	10.3		"	10.0	0.00	103	65-139				
Tetrachloroethylene	5.89		"	10.0	0.200	56.9	64-139	Low Bias			
Tetrahydrofuran	10.6		"	10.0	0.00	106	10-188				
Toluene	11.7		"	10.0	1.33	103	76-123				
trans-1,2-Dichloroethylene	11.4		"	10.0	0.00	114	79-131				
trans-1,3-Dichloropropylene	10.2		"	10.0	0.00	102	55-130				
trans-1,4-dichloro-2-butene	10.4		"	10.0	0.00	104	25-155				
Trichloroethylene	12.5		"	10.0	0.860	116	53-145				
Trichlorofluoromethane	12.2		"	10.0	0.00	122	61-142				
Vinyl acetate	31.7		"	10.0	0.00	317	10-87	High Bias			
Vinyl Chloride	12.6		"	10.0	0.00	126	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.87*		*"*	*10.0*		*98.7*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.76*		*"*	*10.0*		*97.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.95*		*"*	*10.0*		*99.5*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41686 - EPA 5030B											
Matrix Spike Dup (BI41686-MSD1)	*Source sample: 24I1449-01 (MW-1402)								Prepared: 09/26/2024 Analyzed: 09/27/2024		
1,1,1,2-Tetrachloroethane	11.4		ug/L	10.0	0.00	114	45-161		2.00	30	
1,1,1-Trichloroethane	11.4		"	10.0	0.00	114	70-146		1.75	30	
1,1,2,2-Tetrachloroethane	11.4		"	10.0	0.00	114	74-121		1.39	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0	0.00	110	21-217		2.25	30	
1,1,2-Trichloroethane	9.98		"	10.0	0.00	99.8	59-146		4.31	30	
1,1-Dichloroethane	10.7		"	10.0	0.00	107	54-146		1.95	30	
1,1-Dichloroethylene	11.4		"	10.0	0.00	114	44-165		1.73	30	
1,1-Dichloropropylene	11.4		"	10.0	0.00	114	82-134		2.25	30	
1,2,3-Trichlorobenzene	9.03		"	10.0	0.00	90.3	40-161		4.41	30	
1,2,3-Trichloropropane	10.5		"	10.0	0.00	105	74-127		1.79	30	
1,2,4,5-Tetramethylbenzene	15.3		"	10.0	8.90	64.4	27-190		4.87	30	
1,2,4-Trichlorobenzene	9.30		"	10.0	0.00	93.0	41-161		0.00	30	
1,2,4-Trimethylbenzene	56.8		"	10.0	122	NR	72-129	Low Bias	39.0	30	Non-dir.
1,2-Dibromo-3-chloropropane	10.1		"	10.0	0.00	101	31-151		0.999	30	
1,2-Dibromoethane	10.3		"	10.0	0.00	103	75-125		2.20	30	
1,2-Dichlorobenzene	9.92		"	10.0	0.00	99.2	63-122		1.40	30	
1,2-Dichloroethane	10.6		"	10.0	0.00	106	68-131		2.52	30	
1,2-Dichloropropane	10.4		"	10.0	0.00	104	77-121		1.99	30	
1,3,5-Trimethylbenzene	13.0		"	10.0	8.31	46.9	69-126	Low Bias	16.7	30	
1,3-Dichlorobenzene	9.82		"	10.0	0.00	98.2	74-119		3.01	30	
1,3-Dichloropropane	10.2		"	10.0	0.00	102	77-119		1.17	30	
1,4-Dichlorobenzene	9.86		"	10.0	0.00	98.6	70-124		2.01	30	
1,4-Dioxane	218		"	210	0.00	104	10-310		1.10	30	
2,2-Dichloropropane	8.69		"	10.0	0.00	86.9	10-160		1.26	30	
2-Butanone	11.8		"	10.0	1.65	101	10-193		2.84	30	
2-Chlorotoluene	9.99		"	10.0	0.00	99.9	70-126		3.15	30	
2-Hexanone	9.08		"	10.0	0.00	90.8	53-133		1.85	30	
4-Chlorotoluene	9.99		"	10.0	0.00	99.9	69-124		3.15	30	
4-Methyl-2-pentanone	9.86		"	10.0	0.00	98.6	38-150		2.50	30	
Acetone	27.6		"	10.0	3.85	237	13-149	High Bias	1.76	30	
Acrolein	17.2		"	10.0	0.00	172	10-195		7.00	30	
Acrylonitrile	10.3		"	10.0	0.00	103	37-165		2.50	30	
Benzene	11.5		"	10.0	0.00	115	38-155		2.06	30	
Bromobenzene	10.1		"	10.0	0.00	101	72-122		2.35	30	
Bromochloromethane	10.5		"	10.0	0.00	105	75-121		3.37	30	
Bromodichloromethane	10.4		"	10.0	0.00	104	70-129		3.60	30	
Bromoform	10.7		"	10.0	0.00	107	66-136		1.85	30	
Bromomethane	15.3		"	10.0	0.00	153	30-158		14.6	30	
Carbon disulfide	13.0		"	10.0	0.00	130	10-138		2.36	30	
Carbon tetrachloride	12.0		"	10.0	0.00	120	71-146		1.82	30	
Chlorobenzene	10.5		"	10.0	0.00	105	81-117		2.17	30	
Chloroethane	11.9		"	10.0	0.00	119	51-145		0.502	30	
Chloroform	10.9		"	10.0	0.00	109	80-124		1.28	30	
Chloromethane	13.6		"	10.0	0.00	136	16-163		5.50	30	
cis-1,2-Dichloroethylene	12.2		"	10.0	2.41	97.7	76-125		0.246	30	
cis-1,3-Dichloropropylene	9.90		"	10.0	0.00	99.0	58-131		1.20	30	
Cyclohexane	15.8		"	10.0	9.91	58.9	70-130	Low Bias	1.69	30	
Dibromochloromethane	10.6		"	10.0	0.00	106	71-129		1.40	30	
Dibromomethane	10.1		"	10.0	0.00	101	76-120		1.95	30	
Dichlorodifluoromethane	13.7		"	10.0	0.00	137	30-147		0.800	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41686 - EPA 5030B											
Matrix Spike Dup (BI41686-MSD1)	*Source sample: 24I1449-01 (MW-1402)								Prepared: 09/26/2024 Analyzed: 09/27/2024		
Diisopropyl ether (DIPE)	10.7		ug/L	10.0	0.00	107	70-130		1.86	30	
Ethyl Benzene	55.7		"	10.0	97.9	NR	72-128	Low Bias	21.0	30	
Ethyl tert-butyl ether (ETBE)	10.5		"	10.0	0.00	105	70-130		1.42	30	
Hexachlorobutadiene	8.90		"	10.0	0.00	89.0	34-166		3.20	30	
Iodomethane	11.6		"	10.0	0.00	116	70-130		6.69	30	
Isopropylbenzene	24.7		"	10.0	21.6	31.0	66-139	Low Bias	5.74	30	
Methyl acetate	44.5		"	10.0	0.00	445	10-200	High Bias	5.40	30	
Methyl Methacrylate	12.7		"	10.0	0.00	127	68-124	High Bias	1.10	30	
Methyl tert-butyl ether (MTBE)	9.76		"	10.0	0.00	97.6	75-128		1.53	30	
Methylcyclohexane	11.3		"	10.0	3.44	78.2	70-130		4.43	30	
Methylene chloride	11.6		"	10.0	0.00	116	57-128		1.37	30	
Naphthalene	21.7		"	10.0	21.5	1.90	39-158	Low Bias	10.9	30	
n-Butylbenzene	10.7		"	10.0	2.13	85.8	61-138		0.656	30	
n-Propylbenzene	40.0		"	10.0	45.8	NR	66-134	Low Bias	6.90	30	
o-Xylene	10.6		"	10.0	0.290	103	69-126		2.71	30	
p- & m- Xylenes	38.2		"	20.0	56.4	NR	67-130	Low Bias	20.9	30	
p-Diethylbenzene	11.8		"	10.0	5.97	58.5	52-150		5.51	30	
p-Ethyltoluene	17.9		"	10.0	21.4	NR	76-127	Low Bias	25.0	30	
p-Isopropyltoluene	10.1		"	10.0	0.460	96.8	64-137		3.11	30	
sec-Butylbenzene	12.2		"	10.0	2.82	94.3	53-155		5.02	30	
Styrene	10.6		"	10.0	0.00	106	69-125		1.87	30	
tert-Amyl alcohol (TAA)	109		"	100	0.00	109	70-130		0.192	30	
tert-Amyl methyl ether (TAME)	10.6		"	10.0	0.00	106	70-130		1.50	30	
tert-Butyl alcohol (TBA)	59.8		"	50.0	0.00	120	10-130		0.941	30	
tert-Butylbenzene	10.0		"	10.0	0.00	100	65-139		2.17	30	
Tetrachloroethylene	5.87		"	10.0	0.200	56.7	64-139	Low Bias	0.340	30	
Tetrahydrofuran	10.9		"	10.0	0.00	109	10-188		1.95	30	
Toluene	11.2		"	10.0	1.33	99.1	76-123		3.67	30	
trans-1,2-Dichloroethylene	11.2		"	10.0	0.00	112	79-131		2.03	30	
trans-1,3-Dichloropropylene	9.88		"	10.0	0.00	98.8	55-130		2.70	30	
trans-1,4-dichloro-2-butene	10.2		"	10.0	0.00	102	25-155		2.72	30	
Trichloroethylene	12.2		"	10.0	0.860	114	53-145		1.86	30	
Trichlorofluoromethane	11.8		"	10.0	0.00	118	61-142		2.75	30	
Vinyl acetate	33.2		"	10.0	0.00	332	10-87	High Bias	4.81	30	
Vinyl Chloride	12.3		"	10.0	0.00	123	31-165		2.57	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.89*		*"*	*10.0*		*98.9*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.73*		*"*	*10.0*		*97.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.96*		*"*	*10.0*		*99.6*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41780 - EPA 5030B											
Blank (BI41780-BLK1)											
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4,5-Tetramethylbenzene	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								

Prepared: 09/27/2024 Analyzed: 09/28/2024

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41780 - EPA 5030B											
Blank (BI41780-BLK1)											
Prepared: 09/27/2024 Analyzed: 09/28/2024											
Diisopropyl ether (DIPE)	ND	0.800	ug/L								
Ethyl Benzene	ND	0.500	"								
Ethyl tert-butyl ether (ETBE)	ND	0.800	"								
Hexachlorobutadiene	ND	0.500	"								
Iodomethane	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl Methacrylate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Amyl alcohol (TAA)	ND	8.00	"								
tert-Amyl methyl ether (TAME)	ND	0.800	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Tetrahydrofuran	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
trans-1,4-dichloro-2-butene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.73*		*"*	*10.0*		*97.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.99*		*"*	*10.0*		*99.9*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41780 - EPA 5030B											
LCS (BI41780-BS1)								Prepared & Analyzed: 09/27/2024			
1,1,1,2-Tetrachloroethane	8.52		ug/L	10.0		85.2	82-126				
1,1,1-Trichloroethane	8.79		"	10.0		87.9	78-136				
1,1,2,2-Tetrachloroethane	7.30		"	10.0		73.0	76-129	Low Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.47		"	10.0		84.7	54-165				
1,1,2-Trichloroethane	8.43		"	10.0		84.3	82-123				
1,1-Dichloroethane	8.62		"	10.0		86.2	82-129				
1,1-Dichloroethylene	8.99		"	10.0		89.9	68-138				
1,1-Dichloropropylene	8.68		"	10.0		86.8	83-133				
1,2,3-Trichlorobenzene	7.68		"	10.0		76.8	76-136				
1,2,3-Trichloropropane	8.13		"	10.0		81.3	77-128				
1,2,4,5-Tetramethylbenzene	7.84		"	10.0		78.4	85-140	Low Bias			
1,2,4-Trichlorobenzene	7.84		"	10.0		78.4	76-137				
1,2,4-Trimethylbenzene	8.16		"	10.0		81.6	82-132	Low Bias			
1,2-Dibromo-3-chloropropane	8.09		"	10.0		80.9	45-147				
1,2-Dibromoethane	8.39		"	10.0		83.9	83-124				
1,2-Dichlorobenzene	8.07		"	10.0		80.7	79-123				
1,2-Dichloroethane	8.78		"	10.0		87.8	73-132				
1,2-Dichloropropane	8.24		"	10.0		82.4	78-126				
1,3,5-Trimethylbenzene	7.98		"	10.0		79.8	80-131	Low Bias			
1,3-Dichlorobenzene	7.87		"	10.0		78.7	86-122	Low Bias			
1,3-Dichloropropane	8.20		"	10.0		82.0	81-125				
1,4-Dichlorobenzene	7.83		"	10.0		78.3	85-124	Low Bias			
1,4-Dioxane	177		"	210		84.2	10-349				
2,2-Dichloropropane	7.75		"	10.0		77.5	56-150				
2-Butanone	8.79		"	10.0		87.9	49-152				
2-Chlorotoluene	7.90		"	10.0		79.0	79-130				
2-Hexanone	7.63		"	10.0		76.3	51-146				
4-Chlorotoluene	7.90		"	10.0		79.0	79-128				
4-Methyl-2-pentanone	7.95		"	10.0		79.5	57-145				
Acetone	23.0		"	10.0		230	14-150	High Bias			
Acrolein	10.3		"	10.0		103	10-153				
Acrylonitrile	8.74		"	10.0		87.4	51-150				
Benzene	9.14		"	10.0		91.4	85-126				
Bromobenzene	8.10		"	10.0		81.0	78-129				
Bromochloromethane	8.68		"	10.0		86.8	77-128				
Bromodichloromethane	8.39		"	10.0		83.9	79-128				
Bromoform	8.61		"	10.0		86.1	78-133				
Bromomethane	16.4		"	10.0		164	43-168				
Carbon disulfide	10.1		"	10.0		101	68-146				
Carbon tetrachloride	9.23		"	10.0		92.3	77-141				
Chlorobenzene	8.32		"	10.0		83.2	88-120	Low Bias			
Chloroethane	10.6		"	10.0		106	65-136				
Chloroform	8.71		"	10.0		87.1	82-128				
Chloromethane	13.2		"	10.0		132	43-155				
cis-1,2-Dichloroethylene	8.54		"	10.0		85.4	83-129				
cis-1,3-Dichloropropylene	8.03		"	10.0		80.3	80-131				
Cyclohexane	9.57		"	10.0		95.7	63-149				
Dibromochloromethane	8.61		"	10.0		86.1	80-130				
Dibromomethane	8.23		"	10.0		82.3	72-134				
Dichlorodifluoromethane	14.4		"	10.0		144	44-144				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41780 - EPA 5030B											
LCS (BI41780-BS1)								Prepared & Analyzed: 09/27/2024			
Diisopropyl ether (DIPE)	9.18		ug/L	10.0		91.8	70-130				
Ethyl Benzene	8.49		"	10.0		84.9	80-131				
Ethyl tert-butyl ether (ETBE)	8.98		"	10.0		89.8	70-130				
Hexachlorobutadiene	7.22		"	10.0		72.2	67-146				
Iodomethane	10.7		"	10.0		107	70-130				
Isopropylbenzene	7.99		"	10.0		79.9	76-140				
Methyl acetate	7.72		"	10.0		77.2	51-139				
Methyl Methacrylate	8.32		"	10.0		83.2	72-132				
Methyl tert-butyl ether (MTBE)	8.40		"	10.0		84.0	76-135				
Methylcyclohexane	7.87		"	10.0		78.7	72-143				
Methylene chloride	9.70		"	10.0		97.0	55-137				
Naphthalene	7.72		"	10.0		77.2	70-147				
n-Butylbenzene	7.52		"	10.0		75.2	79-132	Low Bias			
n-Propylbenzene	8.32		"	10.0		83.2	78-133				
o-Xylene	8.24		"	10.0		82.4	78-130				
p- & m- Xylenes	17.3		"	20.0		86.4	77-133				
p-Diethylbenzene	7.72		"	10.0		77.2	84-134	Low Bias			
p-Ethyltoluene	8.55		"	10.0		85.5	88-129	Low Bias			
p-Isopropyltoluene	7.78		"	10.0		77.8	81-136	Low Bias			
sec-Butylbenzene	7.62		"	10.0		76.2	79-137	Low Bias			
Styrene	8.46		"	10.0		84.6	67-132				
tert-Amyl alcohol (TAA)	90.5		"	100		90.5	70-130				
tert-Amyl methyl ether (TAME)	8.96		"	10.0		89.6	70-130				
tert-Butyl alcohol (TBA)	49.2		"	50.0		98.3	25-162				
tert-Butylbenzene	7.73		"	10.0		77.3	77-138				
Tetrachloroethylene	4.26		"	10.0		42.6	82-131	Low Bias			
Tetrahydrofuran	8.50		"	10.0		85.0	36-166				
Toluene	8.52		"	10.0		85.2	80-127				
trans-1,2-Dichloroethylene	8.78		"	10.0		87.8	80-132				
trans-1,3-Dichloropropylene	8.09		"	10.0		80.9	78-131				
trans-1,4-dichloro-2-butene	7.76		"	10.0		77.6	63-141				
Trichloroethylene	10.6		"	10.0		106	82-128				
Trichlorofluoromethane	10.2		"	10.0		102	67-139				
Vinyl acetate	34.3		"	10.0		343	21-90	High Bias			
Vinyl Chloride	10.5		"	10.0		105	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.79*		*"*	*10.0*		*97.9*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.70*		*"*	*10.0*		*97.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.83*		*"*	*10.0*		*98.3*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41780 - EPA 5030B											
LCS Dup (BI41780-BSD1)								Prepared & Analyzed: 09/27/2024			
1,1,1,2-Tetrachloroethane	8.72		ug/L	10.0		87.2	82-126		2.32	30	
1,1,1-Trichloroethane	9.14		"	10.0		91.4	78-136		3.90	30	
1,1,2,2-Tetrachloroethane	7.31		"	10.0		73.1	76-129	Low Bias	0.137	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.76		"	10.0		87.6	54-165		3.37	30	
1,1,2-Trichloroethane	8.37		"	10.0		83.7	82-123		0.714	30	
1,1-Dichloroethane	8.80		"	10.0		88.0	82-129		2.07	30	
1,1-Dichloroethylene	9.28		"	10.0		92.8	68-138		3.17	30	
1,1-Dichloropropylene	9.02		"	10.0		90.2	83-133		3.84	30	
1,2,3-Trichlorobenzene	7.91		"	10.0		79.1	76-136		2.95	30	
1,2,3-Trichloropropane	8.35		"	10.0		83.5	77-128		2.67	30	
1,2,4,5-Tetramethylbenzene	8.06		"	10.0		80.6	85-140	Low Bias	2.77	30	
1,2,4-Trichlorobenzene	8.02		"	10.0		80.2	76-137		2.27	30	
1,2,4-Trimethylbenzene	8.40		"	10.0		84.0	82-132		2.90	30	
1,2-Dibromo-3-chloropropane	8.11		"	10.0		81.1	45-147		0.247	30	
1,2-Dibromoethane	8.54		"	10.0		85.4	83-124		1.77	30	
1,2-Dichlorobenzene	8.24		"	10.0		82.4	79-123		2.08	30	
1,2-Dichloroethane	8.94		"	10.0		89.4	73-132		1.81	30	
1,2-Dichloropropane	8.57		"	10.0		85.7	78-126		3.93	30	
1,3,5-Trimethylbenzene	8.27		"	10.0		82.7	80-131		3.57	30	
1,3-Dichlorobenzene	8.14		"	10.0		81.4	86-122	Low Bias	3.37	30	
1,3-Dichloropropane	8.37		"	10.0		83.7	81-125		2.05	30	
1,4-Dichlorobenzene	8.07		"	10.0		80.7	85-124	Low Bias	3.02	30	
1,4-Dioxane	184		"	210		87.4	10-349		3.75	30	
2,2-Dichloropropane	7.86		"	10.0		78.6	56-150		1.41	30	
2-Butanone	9.06		"	10.0		90.6	49-152		3.03	30	
2-Chlorotoluene	8.19		"	10.0		81.9	79-130		3.60	30	
2-Hexanone	7.77		"	10.0		77.7	51-146		1.82	30	
4-Chlorotoluene	8.19		"	10.0		81.9	79-128		3.60	30	
4-Methyl-2-pentanone	8.15		"	10.0		81.5	57-145		2.48	30	
Acetone	23.3		"	10.0		233	14-150	High Bias	1.55	30	
Acrolein	10.2		"	10.0		102	10-153		1.37	30	
Acrylonitrile	9.25		"	10.0		92.5	51-150		5.67	30	
Benzene	9.40		"	10.0		94.0	85-126		2.80	30	
Bromobenzene	8.30		"	10.0		83.0	78-129		2.44	30	
Bromochloromethane	8.86		"	10.0		88.6	77-128		2.05	30	
Bromodichloromethane	8.62		"	10.0		86.2	79-128		2.70	30	
Bromoform	8.81		"	10.0		88.1	78-133		2.30	30	
Bromomethane	17.6		"	10.0		176	43-168	High Bias	6.81	30	
Carbon disulfide	10.4		"	10.0		104	68-146		3.52	30	
Carbon tetrachloride	9.54		"	10.0		95.4	77-141		3.30	30	
Chlorobenzene	8.54		"	10.0		85.4	88-120	Low Bias	2.61	30	
Chloroethane	10.8		"	10.0		108	65-136		1.87	30	
Chloroform	8.85		"	10.0		88.5	82-128		1.59	30	
Chloromethane	13.2		"	10.0		132	43-155		0.152	30	
cis-1,2-Dichloroethylene	8.77		"	10.0		87.7	83-129		2.66	30	
cis-1,3-Dichloropropylene	8.23		"	10.0		82.3	80-131		2.46	30	
Cyclohexane	10.0		"	10.0		100	63-149		4.89	30	
Dibromochloromethane	8.82		"	10.0		88.2	80-130		2.41	30	
Dibromomethane	8.42		"	10.0		84.2	72-134		2.28	30	
Dichlorodifluoromethane	15.0		"	10.0		150	44-144	High Bias	4.29	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41780 - EPA 5030B											
LCS Dup (BI41780-BSD1)								Prepared & Analyzed: 09/27/2024			
Diisopropyl ether (DIPE)	9.41		ug/L	10.0		94.1	70-130		2.47	30	
Ethyl Benzene	8.78		"	10.0		87.8	80-131		3.36	30	
Ethyl tert-butyl ether (ETBE)	9.21		"	10.0		92.1	70-130		2.53	30	
Hexachlorobutadiene	7.60		"	10.0		76.0	67-146		5.13	30	
Iodomethane	11.1		"	10.0		111	70-130		4.04	30	
Isopropylbenzene	8.30		"	10.0		83.0	76-140		3.81	30	
Methyl acetate	7.60		"	10.0		76.0	51-139		1.57	30	
Methyl Methacrylate	8.49		"	10.0		84.9	72-132		2.02	30	
Methyl tert-butyl ether (MTBE)	8.61		"	10.0		86.1	76-135		2.47	30	
Methylcyclohexane	8.12		"	10.0		81.2	72-143		3.13	30	
Methylene chloride	9.85		"	10.0		98.5	55-137		1.53	30	
Naphthalene	7.89		"	10.0		78.9	70-147		2.18	30	
n-Butylbenzene	7.74		"	10.0		77.4	79-132	Low Bias	2.88	30	
n-Propylbenzene	8.65		"	10.0		86.5	78-133		3.89	30	
o-Xylene	8.50		"	10.0		85.0	78-130		3.11	30	
p- & m- Xylenes	17.8		"	20.0		89.0	77-133		2.91	30	
p-Diethylbenzene	7.95		"	10.0		79.5	84-134	Low Bias	2.94	30	
p-Ethyltoluene	8.85		"	10.0		88.5	88-129		3.45	30	
p-Isopropyltoluene	8.06		"	10.0		80.6	81-136	Low Bias	3.54	30	
sec-Butylbenzene	7.88		"	10.0		78.8	79-137	Low Bias	3.35	30	
Styrene	8.71		"	10.0		87.1	67-132		2.91	30	
tert-Amyl alcohol (TAA)	92.9		"	100		92.9	70-130		2.57	30	
tert-Amyl methyl ether (TAME)	9.19		"	10.0		91.9	70-130		2.53	30	
tert-Butyl alcohol (TBA)	50.3		"	50.0		101	25-162		2.35	30	
tert-Butylbenzene	8.03		"	10.0		80.3	77-138		3.81	30	
Tetrachloroethylene	4.37		"	10.0		43.7	82-131	Low Bias	2.55	30	
Tetrahydrofuran	8.83		"	10.0		88.3	36-166		3.81	30	
Toluene	8.76		"	10.0		87.6	80-127		2.78	30	
trans-1,2-Dichloroethylene	9.01		"	10.0		90.1	80-132		2.59	30	
trans-1,3-Dichloropropylene	8.33		"	10.0		83.3	78-131		2.92	30	
trans-1,4-dichloro-2-butene	7.96		"	10.0		79.6	63-141		2.54	30	
Trichloroethylene	11.1		"	10.0		111	82-128		4.41	30	
Trichlorofluoromethane	10.6		"	10.0		106	67-139		2.98	30	
Vinyl acetate	34.7		"	10.0		347	21-90	High Bias	0.985	30	
Vinyl Chloride	10.6		"	10.0		106	58-145		1.13	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.76*		*"*	*10.0*		*97.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.71*		*"*	*10.0*		*97.1*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.85*		*"*	*10.0*		*98.5*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24I1449-01	MW-1402	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24I1449-02	MW-1403	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24I1449-03	9.24.2024_Duplicate	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24I1449-04	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
ICVE20	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 20% of expected value).
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | 56 Church Hill Rd. #2 Newtown, CT 06470 | 2161 Whitesville Rd Toms River, NJ 08755 | clientservices@yorklab.com | 800-306-YORK

YORK Project Number: 24I1449

Report To:	Invoice To:
Company: G2A Geoenvironmental	Company: G2A Geoenvironmental
Address: 104 W29st, Fl 10. NY, NY10001	Address: 104 W29st, Fl 10, NY, NY10001
Phone.: 212-594-8140	Phone.: 212-594-8140
Contact: Mark Hutson	Contact: Mark Hutson
E-mail: Mark.Hutson@g2a.com	E-mail: Mark.Hutson@g2a.com

YOUR Project Name / Number: 41.0163281.00

PO Number: 41.0163281.00

Samples Collected From: NY ✓ | NJ | CT | PA | Other: (please specify)

Turn-Around Time: RUSH - Next Day | RUSH - Two Day | RUSH - Three Day | RUSH - Four Day | RUSH - Five Day | Standard (6-9 Day) ✓ | PFAS Standard 7-10 Day

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil/solid/sludge; GW - groundwater; DW - drinking water; SW - surface water; WW - wastewater; O - Oil; Other

Preservative (please list number of containers)

Analyses Requested

Sample Identification	Date	Time	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO_3 (nitric acid)	H_2SO_4 (sulfuric acid)	NaOH (sodium hydroxide)	$Na_2S_2O_3$ (sodium thio.)	Trizma	Ammonium Acetate	Other:	8260 VOCs TCL (Full Summa 8260 List)	TO-15	Grab or Comp. G/C
MW-1402	9/24/24	1300	GW				3							✓		
MW-1402_MS		1310	GW				3							✓		
MW-1402_MSD		1315	GW				3							✓		
MW-1403		1355	GW				3							✓		
9.24.2024_Duplicate		1400	GW				3							✓		
~~TNF~~		1430	Air	1										✓	✓	(G)
~~EFF~~		1435	Air	1										✓	✓	(G)

Report Type (circle): QA Report; Summary (Results Only); NY ASP B Package; NJ Reduced; NJ DKQP; NJ Full; CT RCP

EDD Type (circle): EQuIS (standard); NYSDEC EQuIS; NJDEP SRP Haz Site; Standard Excel; CMDP; Other:

Regulatory Comparative

Compared to the following Regulation(s): (please fill in)

NYSDEC Part 375

Field Filtered

Lab Filtered

Comments:

Samples iced/chilled at time of lab pickup? circle Yes or No

Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N

Custody Seals: Y / N | Containers Intact: Y / N | COC/Labels Agree: Y / N | Preservation Confirmed: Y / N

COC Complete: Y / N | COC Received: Y / N | Appropriate Sample Volumes: Y / N | Appropriate Sample Containers: Y / N

Cooler Temperature Confirmed: Y / N | Samples Submitted within Holding Times: Y / N | Corrective Action Form Required: Y / N

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Yunmee Han / G2A	9/24/24 1611	Roman Dmow	9/24/24 1611	Roman Dmow	9/24/24 20:10
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				Amanda	9/24/24 20:10 4.0 Degrees C

APPENDIX C – LABORATORY REPORTS: SVE

PHOENIX
Environmental Laboratories, Inc.

Tuesday, February 06, 2024

Attn: Mr. William J. Schlageter
Preferred Environmental Services
323 Merrick Avenue
North Merrick, New York 11566

Project ID: **1107 DEKALB AVENUE**
SDG ID: **GCP96008**
Sample ID#s: CP96008 - CP96011

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

February 06, 2024

SDG I.D.: GCP96008

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus forms.

Version 2: Complete report with QC and forms.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Sample Id Cross Reference

February 06, 2024

SDG I.D.: GCP96008

Project ID: 1107 DEKALB AVENUE

Client Id	Lab Id	Matrix
MW-1402	CP96008	GROUND WATER
MW-1403	CP96009	GROUND WATER
INFLUENT	CP96010	TEDLAR BAG
EFFLUENT	CP96011	TEDLAR BAG

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2024

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
323 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		01/25/24	9:52
Location Code:	PREFRDNY	Received by:	B	01/26/24	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCP96008
Phoenix ID: CP96008

Project ID: 1107 DEKALB AVENUE
Client ID: MW-1402

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1,1-Trichloroethane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1,2,2-Tetrachloroethane	ND	0.50	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1-Dichloroethane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,4-Trimethylbenzene	210	10	2.5	ug/L	10	01/27/24	MH	SW8260D	
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,3,5-Trimethylbenzene	39	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
2-Hexanone	ND	5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	
2-Isopropyltoluene	1.1	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
4-Methyl-2-pentanone	ND	5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	

Project ID: 1107 DEKALB AVENUE
Client ID: MW-1402

Phoenix I.D.: CP96008

Parameter	Result		ppbv RL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		25	2.5	ug/L	1	01/27/24	MH	SW8260D	
Acrylonitrile	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Benzene	0.63	J	0.70	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromochloromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromodichloromethane	ND		0.50	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromoform	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromomethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	B
Carbon Disulfide	ND		5.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloroform	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
cis-1,2-Dichloroethene	10		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	01/27/24	MH	SW8260D	
Dibromochloromethane	ND		0.50	0.25	ug/L	1	01/27/24	MH	SW8260D	
Dibromomethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Ethylbenzene	250		10	2.5	ug/L	10	01/27/24	MH	SW8260D	
Hexachlorobutadiene	ND		0.40	0.25	ug/L	1	01/27/24	MH	SW8260D	
Isopropylbenzene	50		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
m&p-Xylene	260		10	2.5	ug/L	10	01/27/24	MH	SW8260D	
Methyl ethyl ketone	ND		5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Methylene chloride	ND		1.0	1.0	ug/L	1	01/27/24	MH	SW8260D	
Naphthalene	44		1.0	1.0	ug/L	1	01/27/24	MH	SW8260D	
n-Butylbenzene	3.3		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
n-Propylbenzene	91		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
o-Xylene	1.8		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
p-Isopropyltoluene	0.74	J	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
sec-Butylbenzene	5.8		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Styrene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Tetrahydrofuran (THF)	ND		2.5	2.5	ug/L	1	01/27/24	MH	SW8260D	1
Toluene	5.8		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Total Xylenes	261.8		1.0	1.0	ug/L	1	01/27/24	MH	SW8260D	
trans-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	01/27/24	MH	SW8260D	
trans-1,4-dichloro-2-butene	ND		5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	
Trichloroethene	3.7		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Vinyl chloride	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	102				%	1	01/27/24	MH	70 - 130 %	
% Bromofluorobenzene	96				%	1	01/27/24	MH	70 - 130 %	
% Dibromofluoromethane	100				%	1	01/27/24	MH	70 - 130 %	

Ver 1

Project ID: 1107 DEKALB AVENUE
Client ID: MW-1402

Phoenix I.D.: CP96008

Parameter	Result		ppbv RL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	103				%	1	01/27/24	MH	70 - 130 %	
% 1,2-dichlorobenzene-d4 (10x)	102				%	10	01/27/24	MH	70 - 130 %	
% Bromofluorobenzene (10x)	94				%	10	01/27/24	MH	70 - 130 %	
% Dibromofluoromethane (10x)	102				%	10	01/27/24	MH	70 - 130 %	
% Toluene-d8 (10x)	103				%	10	01/27/24	MH	70 - 130 %	
1,4-dioxane										
1,4-dioxane	ND		100	50	ug/l	1	01/27/24	MH	SW8260D	
Volatiles										
1,1,1-Trichloroethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1,2-Trichloroethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1-Dichloroethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dibromo-3-chloropropane	ND		1.0	0.50	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dibromoethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichlorobenzene	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichloroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,3-Dichlorobenzene	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,4-Dichlorobenzene	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
2-Hexanone	ND		2.5	2.5	ug/L	1	01/27/24	MH	SW8260D	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	01/27/24	MH	SW8260D	
Acetone	ND		5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	
Benzene	0.63	J	0.70	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromochloromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromoform	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromomethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	B
Carbon Disulfide	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chlorobenzene	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloroethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloroform	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloromethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
cis-1,2-Dichloroethene	10		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	01/27/24	MH	SW8260D	
Cyclohexane	9.4		5.0	0.50	ug/L	1	01/27/24	MH	SW8260D	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Ethylbenzene	250		10	2.5	ug/L	10	01/27/24	MH	SW8260D	
Isopropylbenzene	50		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
m&p-Xylene	260		10	2.5	ug/L	10	01/27/24	MH	SW8260D	
Methyl ethyl ketone	ND		5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Methylacetate	ND		2.5	2.5	ug/L	1	01/27/24	MH	SW8260D	
Methylcyclohexane	17		2.0	0.50	ug/L	1	01/27/24	MH	SW8260D	

Project ID: 1107 DEKALB AVENUE
Client ID: MW-1402

Phoenix I.D.: CP96008

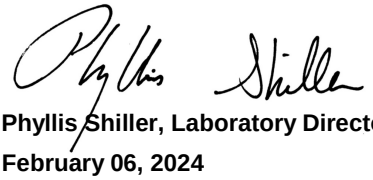
Parameter	Result	ppbv RL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	3.0	1.0	ug/L	1	01/27/24	MH	SW8260D
o-Xylene	1.8	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Styrene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Tetrachloroethene	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Toluene	5.8	2.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Total Xylenes	261.8	1.0	1.0	ug/L	1	01/27/24	MH	SW8260D
trans-1,2-Dichloroethene	ND	2.0	0.25	ug/L	1	01/27/24	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	01/27/24	MH	SW8260D
Trichloroethene	3.7	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Vinyl chloride	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	1	01/27/24	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	01/27/24	MH	70 - 130 %
% Dibromofluoromethane	100			%	1	01/27/24	MH	70 - 130 %
% Toluene-d8	103			%	1	01/27/24	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (10x)	102			%	10	01/27/24	MH	70 - 130 %
% Bromofluorobenzene (10x)	94			%	10	01/27/24	MH	70 - 130 %
% Dibromofluoromethane (10x)	102			%	10	01/27/24	MH	70 - 130 %
% Toluene-d8 (10x)	103			%	10	01/27/24	MH	70 - 130 %
Volatile Library Search Top 10	Completed					01/29/24	MH	

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
February 06, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2024

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
323 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		01/25/24	9:09
Location Code:	PREFRDNY	Received by:	B	01/26/24	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCP96008
Phoenix ID: CP96009

Project ID: 1107 DEKALB AVENUE
Client ID: MW-1403

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1,1-Trichloroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1,2,2-Tetrachloroethane	ND		0.50	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1-Dichloroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,3-Trichloropropane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,4-Trimethylbenzene	0.75	J	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dibromo-3-chloropropane	ND		1.0	0.50	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dibromoethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichloroethane	ND		0.60	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,3,5-Trimethylbenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
2-Hexanone	ND		5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	
2-Isopropyltoluene	0.31	J	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
4-Methyl-2-pentanone	ND		5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	

Project ID: 1107 DEKALB AVENUE
Client ID: MW-1403

Phoenix I.D.: CP96009

Parameter	Result		ppbv RL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		25	2.5	ug/L	1	01/27/24	MH	SW8260D	
Acrylonitrile	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Benzene	ND		0.70	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromochloromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromodichloromethane	ND		0.50	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromoform	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromomethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	B
Carbon Disulfide	ND		5.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloroform	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
cis-1,2-Dichloroethene	2.1		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	01/27/24	MH	SW8260D	
Dibromochloromethane	ND		0.50	0.25	ug/L	1	01/27/24	MH	SW8260D	
Dibromomethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Ethylbenzene	2.1		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Hexachlorobutadiene	ND		0.40	0.25	ug/L	1	01/27/24	MH	SW8260D	
Isopropylbenzene	6.0		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
m&p-Xylene	0.40	J	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Methyl ethyl ketone	ND		5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Methylene chloride	ND		1.0	1.0	ug/L	1	01/27/24	MH	SW8260D	
Naphthalene	ND		1.0	1.0	ug/L	1	01/27/24	MH	SW8260D	
n-Butylbenzene	1.2		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
n-Propylbenzene	4.9		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
o-Xylene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
p-Isopropyltoluene	0.25	J	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
sec-Butylbenzene	3.7		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Styrene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Tetrachloroethene	0.43	J	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Tetrahydrofuran (THF)	ND		2.5	2.5	ug/L	1	01/27/24	MH	SW8260D	1
Toluene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Total Xylenes	ND		1.0	1.0	ug/L	1	01/27/24	MH	SW8260D	
trans-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	01/27/24	MH	SW8260D	
trans-1,4-dichloro-2-butene	ND		5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	
Trichloroethene	2.5		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Vinyl chloride	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	102				%	1	01/27/24	MH	70 - 130 %	
% Bromofluorobenzene	96				%	1	01/27/24	MH	70 - 130 %	
% Dibromofluoromethane	101				%	1	01/27/24	MH	70 - 130 %	

Project ID: 1107 DEKALB AVENUE
Client ID: MW-1403

Phoenix I.D.: CP96009

Parameter	Result		ppbv RL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	102				%	1	01/27/24	MH	70 - 130 %	
1,4-dioxane										
1,4-dioxane	ND		100	50	ug/l	1	01/27/24	MH	SW8260D	
Volatiles										
1,1,1-Trichloroethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1,2-Trichloroethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1-Dichloroethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dibromo-3-chloropropane	ND		1.0	0.50	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dibromoethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichlorobenzene	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichloroethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,3-Dichlorobenzene	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
1,4-Dichlorobenzene	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
2-Hexanone	ND		2.5	2.5	ug/L	1	01/27/24	MH	SW8260D	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	01/27/24	MH	SW8260D	
Acetone	ND		5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	
Benzene	ND		0.70	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromochloromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromoform	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Bromomethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	B
Carbon Disulfide	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chlorobenzene	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloroethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloroform	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Chloromethane	ND		2.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
cis-1,2-Dichloroethene	2.1		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	01/27/24	MH	SW8260D	
Cyclohexane	3.3	J	5.0	0.50	ug/L	1	01/27/24	MH	SW8260D	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Ethylbenzene	2.1		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Isopropylbenzene	6.0		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
m&p-Xylene	0.40	J	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Methyl ethyl ketone	ND		5.0	2.5	ug/L	1	01/27/24	MH	SW8260D	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Methylacetate	ND		2.5	2.5	ug/L	1	01/27/24	MH	SW8260D	
Methylcyclohexane	ND		2.0	0.50	ug/L	1	01/27/24	MH	SW8260D	
Methylene chloride	ND		3.0	1.0	ug/L	1	01/27/24	MH	SW8260D	
o-Xylene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Styrene	ND		1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	
Tetrachloroethene	0.43	J	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D	

Project ID: 1107 DEKALB AVENUE
Client ID: MW-1403

Phoenix I.D.: CP96009

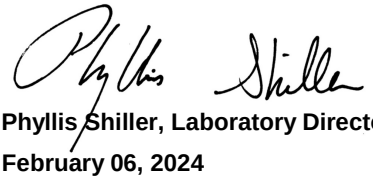
Parameter	Result	ppbv RL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	2.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Total Xylenes	ND	1.0	1.0	ug/L	1	01/27/24	MH	SW8260D
trans-1,2-Dichloroethene	ND	2.0	0.25	ug/L	1	01/27/24	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	01/27/24	MH	SW8260D
Trichloroethene	2.5	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
Vinyl chloride	ND	1.0	0.25	ug/L	1	01/27/24	MH	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	1	01/27/24	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	01/27/24	MH	70 - 130 %
% Dibromofluoromethane	101			%	1	01/27/24	MH	70 - 130 %
% Toluene-d8	102			%	1	01/27/24	MH	70 - 130 %
Volatile Library Search Top 10	Completed					01/29/24	MH	

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

February 06, 2024

Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

February 06, 2024

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
323 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	TEDLAR BAG	Collected by:		01/25/24	10:10
Location Code:	PREFRDNY	Received by:	B	01/26/24	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCP96008
Phoenix ID: CP96010

Project ID: 1107 DEKALB AVENUE
Client ID: INFLUENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.729*	0.729	ND	*5.00*	5.00	01/29/24	KCA	5	1
1,1,1-Trichloroethane	ND	*0.917*	0.917	ND	*5.00*	5.00	01/29/24	KCA	5	1
1,1,2,2-Tetrachloroethane	ND	*0.729*	0.729	ND	*5.00*	5.00	01/29/24	KCA	5	1
1,1,2-Trichloroethane	ND	*0.917*	0.917	ND	*5.00*	5.00	01/29/24	KCA	5	1
1,1-Dichloroethane	ND	*1.24*	1.24	ND	*5.02*	5.02	01/29/24	KCA	5	1
1,1-Dichloroethene	ND	*1.26*	1.26	ND	*4.99*	4.99	01/29/24	KCA	5	1
1,2,4-Trimethylbenzene	ND	*1.02*	1.02	ND	*5.01*	5.01	01/29/24	KCA	5	1
1,2-Dibromoethane(EDB)	ND	*0.651*	0.651	ND	*5.00*	5.00	01/29/24	KCA	5	1
1,2-Dichloroethane	ND	*1.24*	1.24	ND	*5.02*	5.02	01/29/24	KCA	5	1
1,2-dichloropropane	ND	*1.08*	1.08	ND	*4.99*	4.99	01/29/24	KCA	5	1
1,2-Dichlorotetrafluoroethane	ND	*0.716*	0.716	ND	*5.00*	5.00	01/29/24	KCA	5	1
1,3,5-Trimethylbenzene	ND	*1.02*	1.02	ND	*5.01*	5.01	01/29/24	KCA	5	1
1,3-Butadiene	ND	*2.26*	2.26	ND	*5.00*	5.00	01/29/24	KCA	5	1
1,4-Dioxane	ND	*1.39*	1.39	ND	*5.01*	5.01	01/29/24	KCA	5	1
2-Hexanone(MBK)	ND	*1.22*	1.22	ND	*4.99*	4.99	01/29/24	KCA	5	1
4-Ethyltoluene	ND	*1.02*	1.02	ND	*5.01*	5.01	01/29/24	KCA	5	1
4-Isopropyltoluene	ND	*0.911*	0.911	ND	*5.00*	5.00	01/29/24	KCA	5	1
4-Methyl-2-pentanone(MIBK)	ND	*1.22*	1.22	ND	*4.99*	4.99	01/29/24	KCA	5	1
Acetone	9.59	*2.11*	2.11	22.8	*5.01*	5.01	01/29/24	KCA	5	1
Acrylonitrile	ND	*2.31*	2.31	ND	*5.01*	5.01	01/29/24	KCA	5	1
Benzene	ND	*1.57*	1.57	ND	*5.01*	5.01	01/29/24	KCA	5	1
Bromodichloromethane	ND	*0.747*	0.747	ND	*5.00*	5.00	01/29/24	KCA	5	1
Bromoform	ND	*0.484*	0.484	ND	*5.00*	5.00	01/29/24	KCA	5	1
Bromomethane	ND	*1.29*	1.29	ND	*5.01*	5.01	01/29/24	KCA	5	1
Carbon Disulfide	ND	*1.61*	1.61	ND	*5.01*	5.01	01/29/24	KCA	5	1
Carbon Tetrachloride	ND	*0.198*	0.198	ND	*1.24*	1.24	01/29/24	KCA	5	1

Project ID: 1107 DEKALB AVENUE
Client ID: INFLUENT

Phoenix I.D.: CP96010

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Chlorobenzene	ND	*1.09*	1.09	ND	*5.01*	5.01	01/29/24	KCA	5	1
Chloroethane	ND	*1.90*	1.90	ND	*5.01*	5.01	01/29/24	KCA	5	1
Chloroform	19.2	*1.02*	1.02	93.7	*4.98*	4.98	01/29/24	KCA	5	1
Chloromethane	ND	*2.42*	2.42	ND	*4.99*	4.99	01/29/24	KCA	5	1
Cis-1,2-Dichloroethene	ND	*1.26*	1.26	ND	*4.99*	4.99	01/29/24	KCA	5	1
cis-1,3-Dichloropropene	ND	*1.10*	1.10	ND	*4.99*	4.99	01/29/24	KCA	5	1
Cyclohexane	ND	*1.45*	1.45	ND	*4.99*	4.99	01/29/24	KCA	5	1
Dibromochloromethane	ND	*0.587*	0.587	ND	*5.00*	5.00	01/29/24	KCA	5	1
Dichlorodifluoromethane	ND	*1.01*	1.01	ND	*4.99*	4.99	01/29/24	KCA	5	1
Ethanol	195	*2.66*	2.66	367	*5.01*	5.01	01/29/24	KCA	5	1
Ethyl acetate	ND	*1.39*	1.39	ND	*5.01*	5.01	01/29/24	KCA	5	1
Ethylbenzene	ND	*1.15*	1.15	ND	*4.99*	4.99	01/29/24	KCA	5	1
Heptane	ND	*1.22*	1.22	ND	*5.00*	5.00	01/29/24	KCA	5	1
Hexachlorobutadiene	ND	*0.469*	0.469	ND	*5.00*	5.00	01/29/24	KCA	5	1
Hexane	ND	*1.42*	1.42	ND	*5.00*	5.00	01/29/24	KCA	5	1
Isopropylalcohol	5.40	*2.04*	2.04	13.3	*5.01*	5.01	01/29/24	KCA	5	1
Isopropylbenzene	ND	*1.02*	1.02	ND	*5.01*	5.01	01/29/24	KCA	5	1
m,p-Xylene	1.35	*1.15*	1.15	5.86	*4.99*	4.99	01/29/24	KCA	5	1
Methyl Ethyl Ketone	ND	*1.70*	1.70	ND	*5.01*	5.01	01/29/24	KCA	5	1
Methyl tert-butyl ether(MTBE)	ND	*1.39*	1.39	ND	*5.01*	5.01	01/29/24	KCA	5	1
Methylene Chloride	ND	*1.44*	1.44	ND	*5.00*	5.00	01/29/24	KCA	5	1
n-Butylbenzene	ND	*0.911*	0.911	ND	*5.00*	5.00	01/29/24	KCA	5	1
o-Xylene	ND	*1.15*	1.15	ND	*4.99*	4.99	01/29/24	KCA	5	1
Propylene	ND	*2.91*	2.91	ND	*5.01*	5.01	01/29/24	KCA	5	1
sec-Butylbenzene	ND	*0.911*	0.911	ND	*5.00*	5.00	01/29/24	KCA	5	1
Tetrachloroethene	347	*0.369*	0.369	2350	*2.50*	2.50	01/30/24	KCA	10	1
Tetrahydrofuran	ND	*1.70*	1.70	ND	*5.01*	5.01	01/29/24	KCA	5	1
Toluene	ND	*1.33*	1.33	ND	*5.01*	5.01	01/29/24	KCA	5	1
Trans-1,2-Dichloroethene	ND	*1.26*	1.26	ND	*4.99*	4.99	01/29/24	KCA	5	1
Trichloroethene	16.8	*0.233*	0.233	90.2	*1.25*	1.25	01/29/24	KCA	5	1
Trichlorofluoromethane	1.05	*0.891*	0.891	5.90	*5.00*	5.00	01/29/24	KCA	5	1
Trichlorotrifluoroethane	ND	*0.653*	0.653	ND	*5.00*	5.00	01/29/24	KCA	5	1
Vinyl Chloride	ND	*0.489*	0.489	ND	*1.25*	1.25	01/29/24	KCA	5	1
QA/QC Surrogates/Internals										
% Bromofluorobenzene (5x)	103	*%*	%	103	*%*	%	01/29/24	KCA	5	
% IS-1,4-Difluorobenzene (5x)	85	*%*	%	85	*%*	%	01/29/24	KCA	5	
% IS-Bromochloromethane (5x)	110	*%*	%	110	*%*	%	01/29/24	KCA	5	
% IS-Chlorobenzene-d5 (5x)	84	*%*	%	84	*%*	%	01/29/24	KCA	5	
% Bromofluorobenzene (10x)	97	*%*	%	97	*%*	%	01/30/24	KCA	10	
% IS-1,4-Difluorobenzene (10x)	99	*%*	%	99	*%*	%	01/30/24	KCA	10	
% IS-Bromochloromethane (10x)	99	*%*	%	99	*%*	%	01/30/24	KCA	10	
% IS-Chlorobenzene-d5 (10x)	102	*%*	%	102	*%*	%	01/30/24	KCA	10	

Project ID: 1107 DEKALB AVENUE
Client ID: INFLUENT

Phoenix I.D.: CP96010

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

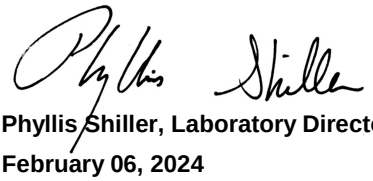
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

This sample was collected using a Tedlar airbag, possible low bias.
1 = not certified by NY NELAC. NY NELAC does not offer certification for samples received in Tedlar bags for EPA TO-15
The specified sampling device for EPA TO15 is a summa canister.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

February 06, 2024

Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

February 06, 2024

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
323 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	TEDLAR BAG	Collected by:		01/25/24	10:13
Location Code:	PREFRDNY	Received by:	B	01/26/24	16:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCP96008
Phoenix ID: CP96011

Project ID: 1107 DEKALB AVENUE
Client ID: EFFLUENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*1.46*	1.46	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,1,1-Trichloroethane	ND	*1.83*	1.83	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,1,2,2-Tetrachloroethane	ND	*1.46*	1.46	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,1,2-Trichloroethane	ND	*1.83*	1.83	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,1-Dichloroethane	ND	*2.47*	2.47	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,1-Dichloroethene	ND	*2.52*	2.52	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,2,4-Trimethylbenzene	ND	*2.04*	2.04	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,2-Dibromoethane(EDB)	ND	*1.30*	1.30	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,2-Dichloroethane	ND	*2.47*	2.47	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,2-dichloropropane	ND	*2.17*	2.17	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,2-Dichlorotetrafluoroethane	ND	*1.43*	1.43	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,3,5-Trimethylbenzene	ND	*2.04*	2.04	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,3-Butadiene	ND	*4.52*	4.52	ND	*10.0*	10.0	01/29/24	KCA	10	1
1,4-Dioxane	ND	*2.78*	2.78	ND	*10.0*	10.0	01/29/24	KCA	10	1
2-Hexanone(MBK)	ND	*2.44*	2.44	ND	*10.0*	10.0	01/29/24	KCA	10	1
4-Ethyltoluene	ND	*2.04*	2.04	ND	*10.0*	10.0	01/29/24	KCA	10	1
4-Isopropyltoluene	ND	*1.82*	1.82	ND	*10.0*	10.0	01/29/24	KCA	10	1
4-Methyl-2-pentanone(MIBK)	ND	*2.44*	2.44	ND	*10.0*	10.0	01/29/24	KCA	10	1
Acetone	5.51	*4.21*	4.21	13.1	*10.0*	10.0	01/29/24	KCA	10	1
Acrylonitrile	ND	*4.61*	4.61	ND	*10.0*	10.0	01/29/24	KCA	10	1
Benzene	ND	*3.13*	3.13	ND	*10.0*	10.0	01/29/24	KCA	10	1
Bromodichloromethane	ND	*1.49*	1.49	ND	*10.0*	10.0	01/29/24	KCA	10	1
Bromoform	ND	*0.968*	0.968	ND	*10.0*	10.0	01/29/24	KCA	10	1
Bromomethane	ND	*2.58*	2.58	ND	*10.0*	10.0	01/29/24	KCA	10	1
Carbon Disulfide	ND	*3.21*	3.21	ND	*10.0*	10.0	01/29/24	KCA	10	1
Carbon Tetrachloride	ND	*0.397*	0.397	ND	*2.50*	2.50	01/29/24	KCA	10	1

Project ID: 1107 DEKALB AVENUE
Client ID: EFFLUENT

Phoenix I.D.: CP96011

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Chlorobenzene	ND	*2.17*	2.17	ND	*10.0*	10.0	01/29/24	KCA	10	1
Chloroethane	ND	*3.79*	3.79	ND	*10.0*	10.0	01/29/24	KCA	10	1
Chloroform	14.7	*2.05*	2.05	71.7	*10.0*	10.0	01/29/24	KCA	10	1
Chloromethane	ND	*4.85*	4.85	ND	*10.0*	10.0	01/29/24	KCA	10	1
Cis-1,2-Dichloroethene	ND	*2.52*	2.52	ND	*10.0*	10.0	01/29/24	KCA	10	1
cis-1,3-Dichloropropene	ND	*2.20*	2.20	ND	*10.0*	10.0	01/29/24	KCA	10	1
Cyclohexane	ND	*2.91*	2.91	ND	*10.0*	10.0	01/29/24	KCA	10	1
Dibromochloromethane	ND	*1.17*	1.17	ND	*10.0*	10.0	01/29/24	KCA	10	1
Dichlorodifluoromethane	ND	*2.02*	2.02	ND	*10.0*	10.0	01/29/24	KCA	10	1
Ethanol	139	*5.31*	5.31	262	*10.0*	10.0	01/29/24	KCA	10	1
Ethyl acetate	ND	*2.78*	2.78	ND	*10.0*	10.0	01/29/24	KCA	10	1
Ethylbenzene	ND	*2.30*	2.30	ND	*10.0*	10.0	01/29/24	KCA	10	1
Heptane	ND	*2.44*	2.44	ND	*10.0*	10.0	01/29/24	KCA	10	1
Hexachlorobutadiene	ND	*0.938*	0.938	ND	*10.0*	10.0	01/29/24	KCA	10	1
Hexane	ND	*2.84*	2.84	ND	*10.0*	10.0	01/29/24	KCA	10	1
Isopropylalcohol	ND	*4.07*	4.07	ND	*10.0*	10.0	01/29/24	KCA	10	1
Isopropylbenzene	ND	*2.04*	2.04	ND	*10.0*	10.0	01/29/24	KCA	10	1
m,p-Xylene	ND	*2.30*	2.30	ND	*10.0*	10.0	01/29/24	KCA	10	1
Methyl Ethyl Ketone	ND	*3.39*	3.39	ND	*10.0*	10.0	01/29/24	KCA	10	1
Methyl tert-butyl ether(MTBE)	ND	*2.78*	2.78	ND	*10.0*	10.0	01/29/24	KCA	10	1
Methylene Chloride	ND	*2.88*	2.88	ND	*10.0*	10.0	01/29/24	KCA	10	1
n-Butylbenzene	ND	*1.82*	1.82	ND	*10.0*	10.0	01/29/24	KCA	10	1
o-Xylene	ND	*2.30*	2.30	ND	*10.0*	10.0	01/29/24	KCA	10	1
Propylene	ND	*5.81*	5.81	ND	*10.0*	10.0	01/29/24	KCA	10	1
sec-Butylbenzene	ND	*1.82*	1.82	ND	*10.0*	10.0	01/29/24	KCA	10	1
Tetrachloroethene	125	*0.369*	0.369	847	*2.50*	2.50	01/29/24	KCA	10	1
Tetrahydrofuran	ND	*3.39*	3.39	ND	*10.0*	10.0	01/29/24	KCA	10	1
Toluene	ND	*2.66*	2.66	ND	*10.0*	10.0	01/29/24	KCA	10	1
Trans-1,2-Dichloroethene	ND	*2.52*	2.52	ND	*10.0*	10.0	01/29/24	KCA	10	1
Trichloroethene	3.16	*0.466*	0.466	17.0	*2.50*	2.50	01/29/24	KCA	10	1
Trichlorofluoromethane	3.22	*1.78*	1.78	18.1	*10.0*	10.0	01/29/24	KCA	10	1
Trichlorotrifluoroethane	ND	*1.31*	1.31	ND	*10.0*	10.0	01/29/24	KCA	10	1
Vinyl Chloride	ND	*0.979*	0.979	ND	*2.50*	2.50	01/29/24	KCA	10	1
QA/QC Surrogates/Internals										
% Bromofluorobenzene (10x)	99	*%*	%	99	*%*	%	01/29/24	KCA	10	
% IS-1,4-Difluorobenzene (10x)	87	*%*	%	87	*%*	%	01/29/24	KCA	10	
% IS-Bromochloromethane (10x)	101	*%*	%	101	*%*	%	01/29/24	KCA	10	
% IS-Chlorobenzene-d5 (10x)	82	*%*	%	82	*%*	%	01/29/24	KCA	10	

Project ID: 1107 DEKALB AVENUE
Client ID: EFFLUENT

Phoenix I.D.: CP96011

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

This sample was collected using a Tedlar airbag, possible low bias.
1 = not certified by NY NELAC. NY NELAC does not offer certification for samples received in Tedlar bags for EPA TO-15
The specified sampling device for EPA TO15 is a summa canister.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
February 06, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: MW-1402

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP96008

Matrix:(soil/water) GROUND WATER Lab Sample ID: CP96008

Sample wt/vol: 5 (g/mL) mL Lab File ID: 0126_58.D

Level: (low/med) Date Received: 01/26/24

% Moisture: not dec. 100 Date Analyzed: 01/27/24

GC Column: RTX-VMS ID: 0.18(mm) Dilution Factor: 1

Purge Volume: 5000 (uL) Soil Aliquot Vol (uL): n.a.

Number TICs found: 11 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000106-97-8	Butane	1.169	28	JN
000078-78-4	Butane, 2-methyl-	1.378	60	JN
000107-83-5	Pentane, 2-methyl-	1.875	44	JN
000096-14-0	Pentane, 3-methyl-	1.985	28	JN
000096-37-7	Cyclopentane, methyl-	2.383	30	JN
	unknown	2.926	24	J
000611-14-3	Benzene, 1-ethyl-2-methyl-	5.934	50	JN
	Benzene, 1-ethyl-2-methyl- Isomer	6.143	34	JN
526-73-8	1,2,3-Trimethylbenzene	6.582	58	Q
000767-58-8	Indan, 1-methyl-	7.100	21	JN
000824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	7.639	34	JN

FORM I VOA-TIC

J - Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.

N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified

Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: MW-1403

Lab Name: Phoenix Environmental Labs Client: PREFRDNY

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCP96008

Matrix:(soil/water) GROUND WATER Lab Sample ID: CP96009

Sample wt/vol: 5 (g/mL) mL Lab File ID: 0126_59.D

Level: (low/med) Date Received: 01/26/24

% Moisture: not dec. 100 Date Analyzed: 01/27/24

GC Column: RTX-VMS ID: 0.18(mm) Dilution Factor: 1

Purge Volume: 5000 (uL) Soil Aliquot Vol (uL): n.a.

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000078-78-4	Butane, 2-methyl-	1.378	13	JN
	unknown	1.875	15	J
000096-14-0	Pentane, 3-methyl-	1.985	8.8	JN
	unknown	2.351	8	J
000096-37-7	Cyclopentane, methyl-	2.377	8	JN
000590-73-8	Hexane, 2,2-dimethyl-	2.926	20	JN
000565-75-3	Pentane, 2,3,4-trimethyl-	3.549	9.1	JN
000560-21-4	Pentane, 2,3,3-trimethyl-	3.622	12	JN
000767-58-8	Indan, 1-methyl-	7.100	4.1	JN
000824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	7.634	4.6	JN

FORM I VOA-TIC

J - Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the indentification criteria, but the results is less than the quantitation limit, but greater than zero.
N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified
Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102

NY # 11301

QA/QC Report

February 06, 2024

QA/QC Data

SDG I.D.: GCP96008

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 716050 (ug/L), QC Sample No: CP94162 (CP96008, CP96009)										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	116	104	10.9				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	102	96	6.1				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	117	104	11.8				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	113	104	8.3				70 - 130	30
1,1-Dichloroethane	ND	1.0	109	100	8.6				70 - 130	30
1,1-Dichloroethene	ND	1.0	105	97	7.9				70 - 130	30
1,1-Dichloropropene	ND	1.0	111	99	11.4				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	123	110	11.2				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	111	96	14.5				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	125	111	11.9				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	119	107	10.6				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	105	93	12.1				70 - 130	30
1,2-Dibromoethane	ND	1.0	116	102	12.8				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	122	109	11.3				70 - 130	30
1,2-Dichloroethane	ND	1.0	106	95	10.9				70 - 130	30
1,2-Dichloropropane	ND	1.0	114	104	9.2				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	121	108	11.4				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	123	109	12.1				70 - 130	30
1,3-Dichloropropane	ND	1.0	116	104	10.9				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	123	111	10.3				70 - 130	30
1,4-dioxane	ND	100	123	105	15.8				40 - 160	20
2,2-Dichloropropane	ND	1.0	102	94	8.2				70 - 130	30
2-Chlorotoluene	ND	1.0	120	111	7.8				70 - 130	30
2-Hexanone	ND	5.0	102	87	15.9				70 - 130	30
2-Isopropyltoluene	ND	1.0	126	112	11.8				70 - 130	30
4-Chlorotoluene	ND	1.0	123	110	11.2				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	99	91	8.4				70 - 130	30
Acetone	ND	5.0	126	102	21.1				70 - 130	30
Acrylonitrile	ND	5.0	106	103	2.9				70 - 130	30
Benzene	ND	0.70	120	108	10.5				70 - 130	30
Bromobenzene	ND	1.0	124	112	10.2				70 - 130	30
Bromochloromethane	ND	1.0	108	100	7.7				70 - 130	30
Bromodichloromethane	ND	0.50	108	100	7.7				70 - 130	30
Bromoform	ND	1.0	104	92	12.2				70 - 130	30
Bromomethane	0.46 J	1.0	94	94	0.0				70 - 130	30
Carbon Disulfide	ND	1.0	106	98	7.8				70 - 130	30
Carbon tetrachloride	ND	1.0	96	91	5.3				70 - 130	30
Chlorobenzene	ND	1.0	125	112	11.0				70 - 130	30
Chloroethane	ND	1.0	99	94	5.2				70 - 130	30
Chloroform	ND	1.0	109	99	9.6				70 - 130	30
Chloromethane	ND	1.0	99	91	8.4				70 - 130	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,2-Dichloroethene	ND	1.0	113	110	2.7				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	114	101	12.1				70 - 130	30
Cyclohexane	ND	5.0	95	90	5.4				70 - 130	30
Dibromochloromethane	ND	0.50	111	99	11.4				70 - 130	30
Dibromomethane	ND	1.0	109	99	9.6				70 - 130	30
Dichlorodifluoromethane	ND	1.0	80	74	7.8				70 - 130	30
Ethylbenzene	ND	1.0	124	111	11.1				70 - 130	30
Hexachlorobutadiene	ND	0.40	122	103	16.9				70 - 130	30
Isopropylbenzene	ND	1.0	119	110	7.9				70 - 130	30
m&p-Xylene	ND	1.0	125	112	11.0				70 - 130	30
Methyl ethyl ketone	ND	5.0	108	103	4.7				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	104	95	9.0				70 - 130	30
Methylacetate	ND	2.5	92	85	7.9				70 - 130	30
Methylcyclohexane	ND	1.0	98	86	13.0				70 - 130	30
Methylene chloride	ND	1.0	108	99	8.7				70 - 130	30
Naphthalene	ND	1.0	114	100	13.1				70 - 130	30
n-Butylbenzene	ND	1.0	121	107	12.3				70 - 130	30
n-Propylbenzene	ND	1.0	127	113	11.7				70 - 130	30
o-Xylene	ND	1.0	121	111	8.6				70 - 130	30
p-Isopropyltoluene	ND	1.0	124	108	13.8				70 - 130	30
sec-Butylbenzene	ND	1.0	123	110	11.2				70 - 130	30
Styrene	ND	1.0	121	113	6.8				70 - 130	30
tert-Butylbenzene	ND	1.0	122	109	11.3				70 - 130	30
Tetrachloroethene	ND	1.0	118	110	7.0				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	112	101	10.3				70 - 130	30
Toluene	ND	1.0	120	111	7.8				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	111	104	6.5				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	105	96	9.0				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	108	95	12.8				70 - 130	30
Trichloroethene	ND	1.0	119	109	8.8				70 - 130	30
Trichlorofluoromethane	ND	1.0	98	92	6.3				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	98	92	6.3				70 - 130	30
Vinyl chloride	ND	1.0	102	97	5.0				70 - 130	30
% 1,2-dichlorobenzene-d4	104	%	104	103	1.0				70 - 130	30
% Bromofluorobenzene	95	%	98	98	0.0				70 - 130	30
% Dibromofluoromethane	104	%	98	102	4.0				70 - 130	30
% Toluene-d8	101	%	103	103	0.0				70 - 130	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 716038 (ug/L), QC Sample No: CP94756 (CP96008 (10X))

Volatiles - Ground Water

1,2,4-Trimethylbenzene	ND	1.0	111	91	19.8	92	85	7.9	70 - 130	30
Ethylbenzene	ND	1.0	119	98	19.4	102	96	6.1	70 - 130	30
m&p-Xylene	ND	1.0	120	99	19.2	103	96	7.0	70 - 130	30
% 1,2-dichlorobenzene-d4	102	%	106	102	3.8	104	103	1.0	70 - 130	30
% Bromofluorobenzene	95	%	97	98	1.0	98	99	1.0	70 - 130	30
% Dibromofluoromethane	102	%	102	103	1.0	100	101	1.0	70 - 130	30
% Toluene-d8	103	%	104	103	1.0	102	104	1.9	70 - 130	30

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

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Tel. (860) 645-1102

NY # 11301

QA/QC Report

February 06, 2024

QA/QC Data

SDG I.D.: GCP96008

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 716149 (ppbv), QC Sample No: CP95646 (CP96010 (5X) , CP96011 (10X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.500	ND	3.43	93	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.500	ND	2.73	114	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.010	ND	0.07	88	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.020	ND	0.11	103	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.150	ND	0.61	108	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.200	ND	0.79	108	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.500	ND	2.46	105	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.010	ND	0.08	97	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.020	ND	0.08	110	ND	0.15	ND	0.038	NC	70 - 130	25
1,2-dichloropropane	ND	0.020	ND	0.09	92	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.500	ND	3.49	114	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.500	ND	2.46	95	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.500	ND	1.11	108	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.130	ND	0.47	83	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.500	ND	2.05	100	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.500	ND	2.46	106	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.500	ND	2.74	98	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.500	ND	2.05	103	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.750	ND	1.78	99	3.09	2.97	1.30	1.25	NC	70 - 130	25
Acrylonitrile	ND	0.500	ND	1.08	90	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.200	ND	0.64	108	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.020	ND	0.13	101	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.150	ND	1.55	99	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.140	ND	0.54	105	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.500	ND	1.56	113	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.086	ND	0.54	114	ND	ND	ND	ND	NC	70 - 130	25
Chlorobenzene	ND	0.200	ND	0.92	90	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.500	ND	1.32	107	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	105	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.500	ND	1.03	104	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.200	ND	0.79	117	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.100	ND	0.45	104	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.500	ND	1.72	99	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.020	ND	0.17	102	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.500	ND	2.47	114	ND	ND	ND	ND	NC	70 - 130	25
Ethanol	ND	0.750	ND	1.41	101	2.69	6.95	1.43	3.69	NC	70 - 130	25
Ethyl acetate	ND	0.500	ND	1.80	95	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.500	ND	2.17	98	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.500	ND	2.05	100	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.010	ND	0.11	97	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.450	ND	1.59	95	ND	ND	ND	ND	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCP96008

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Isopropylalcohol	ND	0.750	ND	1.84	121	ND	ND	ND	ND	NC	70 - 130	25
Isopropylbenzene	ND	0.500	ND	2.46	96	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	1.00	ND	4.34	102	ND	ND	ND	ND	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.450	ND	1.33	113	ND	ND	ND	ND	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.500	ND	1.80	115	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	3.00	ND	10.4	100	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.500	ND	2.74	96	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.500	ND	2.17	102	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.500	ND	0.86	103	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.500	ND	2.74	96	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.100	ND	0.68	107	ND	ND	ND	ND	NC	70 - 130	25
Tetrahydrofuran	ND	0.500	ND	1.47	103	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.500	ND	1.88	103	ND	ND	ND	ND	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.200	ND	0.79	112	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.050	ND	0.27	100	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.500	ND	2.81	113	ND	ND	ND	ND	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.500	ND	3.83	115	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.100	ND	0.26	108	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	101	%	101	%	99	110	102	110	102	NC	70 - 130	25
% IS-1,4-Difluorobenzene	116	%	116	%	103	81	81	81	81	NC	60 - 140	25
% IS-Bromochloromethane	127	%	127	%	102	106	105	106	105	NC	60 - 140	25
% IS-Chlorobenzene-d5	109	%	109	%	117	79	78	79	78	NC	60 - 140	25
QA/QC Batch 716344 (ppbv), QC Sample No: CP97046 (CP96010 (10X))												
Volatiles												
Tetrachloroethene	ND	0.037	ND	0.25	100	0.26	0.26	0.039	0.039	NC	70 - 130	25
% Bromofluorobenzene	96	%	96	%	100	105	104	105	104	NC	70 - 130	25
% IS-1,4-Difluorobenzene	100	%	100	%	107	100	95	100	95	NC	60 - 140	25
% IS-Bromochloromethane	102	%	102	%	101	99	96	99	96	NC	60 - 140	25
% IS-Chlorobenzene-d5	101	%	101	%	109	99	97	99	97	NC	60 - 140	25

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
February 06, 2024

Tuesday, February 06, 2024

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCP96008 - PREFRDNY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Preferred Environmental Services

Project Location: 1107 DEKALB AVENUE **Project Number:**

Laboratory Sample ID(s): CP96008, CP96009, CP96010, CP96011

Sampling Date(s): 1/25/2024

DKQP Methods Used

☐ 1311/1312	☐ 6010	☐ 6020	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH
☐ 8082	☐ 8151	☑ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	☑ TO15

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☑ Yes ☐ No
1a.	Were the method specified handling, preservation, and holding time requirements met?	☑ Yes ☐ No
1b.	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (4±2° C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☑ Yes ☐ No
7.	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☐ Yes ☑ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Data of Known Quality."

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.

Authorized Signature: Rashmi Makol

Date: Tuesday, February 06, 2024

Printed Name: Rashmi Makol

Position: Project Manager

Apr 2014

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NJDKQP Certification Report

February 06, 2024

SDG I.D.: GCP96008

AIRSIM

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

CHEM20 01/29/24-1 Jamie Litchfield, Chemist 01/29/24

CP96010 (5X), CP96011 (10X)

Initial Calibration Evaluation (CHEM20/20_AIR_0124):
100% of target compounds met criteria.
The following compounds had %RSDs >30%: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification #1 (CHEM20/0128_02-20_AIR_0124):
Internal standard areas were within 60 to 140% of the initial calibration with the following exceptions: None.
99% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

CHEM39 01/30/24-1 Jamie Litchfield, Chemist 01/30/24

CP96010 (10X)

Initial Calibration Evaluation (CHEM39/39_AIR_0112):
100% of target compounds met criteria.
The following compounds had %RSDs >30%: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification #1 (CHEM39/0130_02-39_AIR_0112):
Internal standard areas were within 60 to 140% of the initial calibration with the following exceptions: None.
99% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 716149 (CP95646)

CP96010(5X), CP96011(10X)

All LCS recoveries were within 70 - 130 with the following exceptions: None.

Batch 716344 (CP97046)

CP96010(10X)

All LCS recoveries were within 70 - 130 with the following exceptions: None.

VOA Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NJDKQP Certification Report

February 06, 2024

SDG I.D.: GCP96008

VOA Narration

Instrument:

CHEM23 01/26/24-2 Michael Hahn, Chemist 01/26/24

CP96008 (1X), CP96009 (1X)

Initial Calibration Evaluation (CHEM23/VOA23_011624):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: 1,4-dioxane 21% (20%)
The following compounds did not meet Table 4 recommended minimum response factors: 1,1,2-Trichloroethane 0.191 (0.2), Bromodichloromethane 0.290 (0.3), Ethylbenzene 0.333 (0.4)
The following compounds did not meet the minimum response factor of 0.05: None.

Continuing Calibration Verification (CHEM23/0126_33-VOA23_011624):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
99% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet Table 4 recommended minimum response factors: Ethylbenzene 0.386 (0.4)

CHEM23 01/27/24-1 Michael Hahn, Chemist 01/27/24

CP96008 (10X)

Initial Calibration Evaluation (CHEM23/VOA23_011624):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet Table 4 recommended minimum response factors: Ethylbenzene 0.333 (0.4)
The following compounds did not meet the minimum response factor of 0.05: None.

Continuing Calibration Verification (CHEM23/0127_03-VOA23_011624):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
99% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet Table 4 recommended minimum response factors: Ethylbenzene 0.328 (0.4)

QC (Batch Specific):

Batch 716038 (CP94756) CHEM23 1/27/2024-1

CP96008(10X)

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

Batch 716050 (CP94162) CHEM23 1/26/2024-2

CP96008(1X), CP96009(1X)

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.
Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NJDKQP Certification Report

February 06, 2024

SDG I.D.: GCP96008

VOA Narration

QC (Batch Specific):

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

February 06, 2024

SDG I.D.: GCP96008

The samples in this delivery group were received at 2.0°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes ☐ No ☐
Coolant: IPK ☐ ICE ☐ No ☐
Temp 2.0°C Pg of

PHOENIX
Environmental Laboratories, Inc.

NY/NJ/PA CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: Makrina Nolan, makrina@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-1102

Contact Options:
☒ Phone: 516-546-1100
☐ Fax:
☒ Email: bschlageter@preferredenv.com

Customer: Preferred Environmental Services
Address: 323 Merrick Avenue, North Merrick, NY

Project: 1107 DeKalb Avenue
Report to: bschlageter@preferredenv.com
Invoice to: Bill Schlageter
QUOTE # :

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 1/25/24

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe **OIL**=Oil
B=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	*MS/MSD (May be billable at analysis unit rate)	TCL 8260 list VOC's	Full "normal" 8260 list VOC's	TO-15	GL Amber 8 oz. [ ] w/H_3PO_4 [ ] $NAHSO_4$	Soil VOA Vials [ ] methanol [ ] H_2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H_2SO_4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H_2SO_4 [ ] 250ml [ ] 500ml	PL NaOH 250ml	PL HNO_3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
960008	MW-1402	GW	1/25/24	09:52	X	X							3							
960009	MW-1403	GW	1/25/24	09:09	X	X							3							
960010	Influent	Air	1/25/24	10:10			X													Tedlar
960011	Effluent	Air	1/25/24	10:13			X													Tedlar

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	1/26/24	1217
[signature]	[signature]	1/26/24	16:35

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ 4 Days*
☐ 5 Days*
☒ Standard
*** SURCHARGE APPLIES**

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ Impact to GW soil screen Criteria
☐ GW Criteria

NY
☐ TOGS GW
☐ CP-51 SOIL
☐ 375SCO Unrestricted Soil
☐ 375SCO Residential Soil
☐ 375SCO Residential Restricted Soil
☐ 375SCO Commercial Soil
☐ 375SCO Industrial Soil
☐ Subpart 5 DW

PA
☐ Clean Fill Limits
☐ PA-GW
☐ Reg Fill Limits
☐ PA Soil Restricted
☐ PA Soil non-restricted

State Samples Collected? NJ

Comments, Special Requirements or Regulations:
Equis data requested

Data Format:
☒ Phoenix Std Report ☒ EQuIS
☒ Excel ☐ NJ Hazsite EDD
☒ PDF ☐ NY EZ EDD (ASP)
☐ GIS/Key ☐ Other

Data Package:
☐ NJ Reduced Deliv. * ☐ Other
☐ NY Enhanced (ASP B) *

***MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.**

PEL-111 Rev 1/2023

Technical Report

prepared for:

GZA GeoEnvironmental, Inc. - NYC
104 West 29th Street, 10th Floor
New York NY, 10001
Attention: Mark Hutson

Report Date: 06/28/2024
Client Project ID: 41.0163281.02 1107 Dekalb Avenue
York Project (SDG) No.: 24F1675

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723

Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

120 RESEARCH DRIVE | STRATFORD, CT 06615 | 132-02 89th AVENUE | RICHMOND HILL, NY 11418
www.YORKLAB.com | (203) 325-1371 | FAX (203) 357-0166 | ClientServices@yorklab.com

Report Date: 06/28/2024
Client Project ID: 41.0163281.02 1107 Dekalb Avenue
York Project (SDG) No.: 24F1675

GZA GeoEnvironmental, Inc. - NYC
104 West 29th Street, 10th Floor
New York NY, 10001
Attention: Mark Hutson

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 25, 2024 and listed below. The project was identified as your project: **41.0163281.02 1107 Dekalb Avenue**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
24F1675-01	Influent	Air	06/25/2024	06/25/2024
24F1675-02	Effluent	Air	06/25/2024	06/25/2024

General Notes for York Project (SDG) No.: 24F1675

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By: Cassie L. Mosher

Cassie L. Mosher
Laboratory Manager

Date: 06/28/2024

Sample Information

Client Sample ID: **Influent** **York Sample ID:** **24F1675-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F1675	41.0163281.02 1107 Dekalb Avenue	Air	June 25, 2024 12:35 pm	06/25/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.69	1	EPA TO-15 Certifications:	06/27/2024 12:00	06/27/2024 22:32	YR
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.55	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.69	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.77	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.55	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.40	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.099	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
120-82-1	**1,2,4-Trichlorobenzene**	**0.74**	CAL-E, TO-LCS -L, ICVE	ug/m³	0.74	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.49	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.77	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.60	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.40	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.46	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.70	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.49	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
106-99-0	1,3-Butadiene	ND		ug/m³	0.66	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.60	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.46	1	EPA TO-15 Certifications:	06/27/2024 12:00	06/27/2024 22:32	YR
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.60	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
123-91-1	1,4-Dioxane	ND		ug/m³	0.72	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
540-84-1	*** 2,2,4-Trimethylpentane**	**0.23**		ug/m³	0.23	1	EPA TO-15 Certifications:	06/27/2024 12:00	06/27/2024 22:32	YR

Sample Information

Client Sample ID: **Influent** **York Sample ID:** **24F1675-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F1675	41.0163281.02 1107 Dekalb Avenue	Air	June 25, 2024 12:35 pm	06/25/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	**2-Butanone**	**1.9**		ug/m³	0.29	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
591-78-6	* 2-Hexanone	ND		ug/m³	0.82	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	1.6	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
108-10-1	**4-Methyl-2-pentanone**	**2.5**		ug/m³	0.41	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
67-64-1	**Acetone**	**20**		ug/m³	0.48	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
107-13-1	Acrylonitrile	ND		ug/m³	0.22	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
71-43-2	**Benzene**	**0.38**		ug/m³	0.32	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
100-44-7	Benzyl chloride	ND		ug/m³	0.52	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-27-4	Bromodichloromethane	ND		ug/m³	0.67	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-25-2	Bromoform	ND		ug/m³	1.0	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
74-83-9	Bromomethane	ND		ug/m³	0.39	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-15-0	**Carbon disulfide**	**4.5**		ug/m³	0.31	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
56-23-5	**Carbon tetrachloride**	**0.38**		ug/m³	0.16	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
108-90-7	Chlorobenzene	ND		ug/m³	0.46	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-00-3	Chloroethane	ND		ug/m³	0.26	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
67-66-3	**Chloroform**	**4.6**		ug/m³	0.49	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
74-87-3	**Chloromethane**	**0.64**		ug/m³	0.21	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.099	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.45	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
110-82-7	Cyclohexane	ND		ug/m³	0.34	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
124-48-1	Dibromochloromethane	ND		ug/m³	0.85	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-71-8	**Dichlorodifluoromethane**	**2.4**		ug/m³	0.49	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
141-78-6	*** Ethyl acetate**	**36**		ug/m³	0.72	1	EPA TO-15	06/27/2024 12:00	06/27/2024 22:32	YR
							Certifications:			

Sample Information

Client Sample ID: **Influent** **York Sample ID:** **24F1675-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F1675	41.0163281.02 1107 Dekalb Avenue	Air	June 25, 2024 12:35 pm	06/25/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/m³	0.43	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
87-68-3	Hexachlorobutadiene	ND	TO-LCS-L, ICVE	ug/m³	1.1	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
67-63-0	**Isopropanol**	**3.6**		ug/m³	0.49	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
80-62-6	Methyl Methacrylate	ND		ug/m³	0.41	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.36	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
75-09-2	Methylene chloride	ND		ug/m³	0.69	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
91-20-3	* Naphthalene	ND	ICVE	ug/m³	1.0	1	EPA TO-15 Certifications: NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
142-82-5	n-Heptane	ND		ug/m³	0.41	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
110-54-3	**n-Hexane**	**0.95**		ug/m³	0.35	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
95-47-6	o-Xylene	ND		ug/m³	0.43	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.87	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.49	1	EPA TO-15 Certifications:	06/27/2024 12:00	06/27/2024 22:32	YR
115-07-1	*** Propylene**	**1.3**		ug/m³	0.17	1	EPA TO-15 Certifications:	06/27/2024 12:00	06/27/2024 22:32	YR
100-42-5	Styrene	ND		ug/m³	0.43	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
127-18-4	**Tetrachloroethylene**	**39**		ug/m³	0.68	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
109-99-9	*** Tetrahydrofuran**	**2.9**		ug/m³	0.59	1	EPA TO-15 Certifications:	06/27/2024 12:00	06/27/2024 22:32	YR
108-88-3	**Toluene**	**2.0**		ug/m³	0.38	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.40	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.45	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
79-01-6	**Trichloroethylene**	**0.21**		ug/m³	0.13	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.4**		ug/m³	0.56	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
108-05-4	**Vinyl acetate**	**0.92**		ug/m³	0.35	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR

Sample Information

Client Sample ID: **Influent** **York Sample ID:** **24F1675-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F1675	41.0163281.02 1107 Dekalb Avenue	Air	June 25, 2024 12:35 pm	06/25/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
593-60-2	Vinyl bromide	ND		ug/m³	0.44	1	EPA TO-15 Certifications:	06/27/2024 12:00 NELAC-NY12058,NJDEP-NY037	06/27/2024 22:32	YR
75-01-4	Vinyl Chloride	ND		ug/m³	0.13	1	EPA TO-15 Certifications:	06/27/2024 12:00 NELAC-NY12058,NJDEP-NY037	06/27/2024 22:32	YR

Sample Information

Client Sample ID: **Effluent** **York Sample ID:** **24F1675-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F1675	41.0163281.02 1107 Dekalb Avenue	Air	June 25, 2024 12:37 pm	06/25/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	3.4	5	EPA TO-15 Certifications:	06/27/2024 12:00	06/27/2024 23:20	YR
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	2.7	5	EPA TO-15 Certifications:	06/27/2024 12:00 NELAC-NY12058,NJDEP-NY037	06/27/2024 23:20	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	3.4	5	EPA TO-15 Certifications:	06/27/2024 12:00 NELAC-NY12058,NJDEP-NY037	06/27/2024 23:20	YR
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**25**		ug/m³	3.8	5	EPA TO-15 Certifications:	06/27/2024 12:00 NELAC-NY12058,NJDEP-NY037	06/27/2024 23:20	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	2.7	5	EPA TO-15 Certifications:	06/27/2024 12:00 NELAC-NY12058,NJDEP-NY037	06/27/2024 23:20	YR
75-34-3	1,1-Dichloroethane	ND		ug/m³	2.0	5	EPA TO-15 Certifications:	06/27/2024 12:00 NELAC-NY12058,NJDEP-NY037	06/27/2024 23:20	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.50	5	EPA TO-15 Certifications:	06/27/2024 12:00 NELAC-NY12058,NJDEP-NY037	06/27/2024 23:20	YR
120-82-1	1,2,4-Trichlorobenzene	ND	CAL-E, ICVE, TO-LCS -L	ug/m³	3.7	5	EPA TO-15 Certifications:	06/27/2024 12:00 NELAC-NY12058,NJDEP-NY037	06/27/2024 23:20	YR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	2.5	5	EPA TO-15 Certifications:	06/27/2024 12:00 NELAC-NY12058,NJDEP-NY037	06/27/2024 23:20	YR
106-93-4	1,2-Dibromoethane	ND		ug/m³	3.8	5	EPA TO-15 Certifications:	06/27/2024 12:00 NELAC-NY12058,NJDEP-NY037	06/27/2024 23:20	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	3.0	5	EPA TO-15 Certifications:	06/27/2024 12:00 NELAC-NY12058,NJDEP-NY037	06/27/2024 23:20	YR
107-06-2	1,2-Dichloroethane	ND		ug/m³	2.0	5	EPA TO-15 Certifications:	06/27/2024 12:00 NELAC-NY12058,NJDEP-NY037	06/27/2024 23:20	YR
78-87-5	1,2-Dichloropropane	ND		ug/m³	2.3	5	EPA TO-15 Certifications:	06/27/2024 12:00 NELAC-NY12058,NJDEP-NY037	06/27/2024 23:20	YR

Sample Information

Client Sample ID: **Effluent** **York Sample ID:** **24F1675-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F1675	41.0163281.02 1107 Dekalb Avenue	Air	June 25, 2024 12:37 pm	06/25/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	3.5	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	2.5	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
106-99-0	1,3-Butadiene	ND		ug/m³	3.3	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	3.0	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	2.3	5	EPA TO-15 Certifications:	06/27/2024 12:00	06/27/2024 23:20	YR
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	3.0	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
123-91-1	1,4-Dioxane	ND		ug/m³	3.6	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
540-84-1	* 2,2,4-Trimethylpentane	ND		ug/m³	1.2	5	EPA TO-15 Certifications:	06/27/2024 12:00	06/27/2024 23:20	YR
78-93-3	**2-Butanone**	**2.4**		ug/m³	1.5	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
591-78-6	* 2-Hexanone	ND		ug/m³	4.1	5	EPA TO-15 Certifications:	06/27/2024 12:00	06/27/2024 23:20	YR
107-05-1	3-Chloropropene	ND		ug/m³	7.8	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
108-10-1	**4-Methyl-2-pentanone**	**7.2**		ug/m³	2.0	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
67-64-1	**Acetone**	**23**		ug/m³	2.4	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
107-13-1	Acrylonitrile	ND		ug/m³	1.1	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
71-43-2	Benzene	ND		ug/m³	1.6	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
100-44-7	Benzyl chloride	ND		ug/m³	2.6	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
75-27-4	Bromodichloromethane	ND		ug/m³	3.3	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
75-25-2	Bromoform	ND		ug/m³	5.2	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
74-83-9	Bromomethane	ND		ug/m³	1.9	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
75-15-0	**Carbon disulfide**	**5.4**		ug/m³	1.6	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
56-23-5	Carbon tetrachloride	ND		ug/m³	0.79	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
108-90-7	Chlorobenzene	ND		ug/m³	2.3	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
75-00-3	Chloroethane	ND		ug/m³	1.3	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR

Sample Information

Client Sample ID: **Effluent** **York Sample ID:** **24F1675-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F1675	41.0163281.02 1107 Dekalb Avenue	Air	June 25, 2024 12:37 pm	06/25/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	**Chloroform**	**600**		ug/m³	2.4	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
74-87-3	Chloromethane	ND		ug/m³	1.0	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
156-59-2	**cis-1,2-Dichloroethylene**	**4.2**		ug/m³	0.50	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	2.3	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
110-82-7	Cyclohexane	ND		ug/m³	1.7	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
124-48-1	Dibromochloromethane	ND		ug/m³	4.3	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-71-8	**Dichlorodifluoromethane**	**3.0**		ug/m³	2.5	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
141-78-6	*** Ethyl acetate**	**34**		ug/m³	3.6	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	2.2	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
87-68-3	Hexachlorobutadiene	ND	ICVE, TO-LCS -L	ug/m³	5.3	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
67-63-0	**Isopropanol**	**6.3**		ug/m³	2.5	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
80-62-6	Methyl Methacrylate	ND		ug/m³	2.0	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	1.8	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-09-2	Methylene chloride	ND		ug/m³	3.5	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
91-20-3	* Naphthalene	ND	ICVE	ug/m³	5.2	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications: NJDEP-NY037			
142-82-5	n-Heptane	ND		ug/m³	2.0	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
110-54-3	n-Hexane	ND		ug/m³	1.8	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
95-47-6	o-Xylene	ND		ug/m³	2.2	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
179601-23-1	p- & m- Xylenes	ND		ug/m³	4.3	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
622-96-8	* p-Ethyltoluene	ND		ug/m³	2.5	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications:			
115-07-1	*** Propylene**	**2.2**		ug/m³	0.86	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications:			
100-42-5	Styrene	ND		ug/m³	2.1	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			
127-18-4	Tetrachloroethylene	ND		ug/m³	3.4	5	EPA TO-15	06/27/2024 12:00	06/27/2024 23:20	YR
							Certifications: NELAC-NY12058,NJDEP-NY037			

Sample Information

Client Sample ID: **Effluent** **York Sample ID:** **24F1675-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F1675	41.0163281.02 1107 Dekalb Avenue	Air	June 25, 2024 12:37 pm	06/25/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
109-99-9	* Tetrahydrofuran	ND		ug/m³	2.9	5	EPA TO-15 Certifications:	06/27/2024 12:00	06/27/2024 23:20	YR
108-88-3	**Toluene**	**2.3**		ug/m³	1.9	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	2.0	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	2.3	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
79-01-6	Trichloroethylene	ND		ug/m³	0.67	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
75-69-4	**Trichlorofluoromethane (Freon 11)**	**140**		ug/m³	2.8	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
108-05-4	Vinyl acetate	ND		ug/m³	1.8	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
593-60-2	Vinyl bromide	ND		ug/m³	2.2	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
75-01-4	Vinyl Chloride	ND		ug/m³	0.64	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR

Analytical Batch Summary

Batch ID: BF41996 **Preparation Method:** EPA TO15 PREP **Prepared By:** YR

YORK Sample ID	Client Sample ID	Preparation Date
24F1675-01	Influent	06/27/24
24F1675-02	Effluent	06/27/24
BF41996-BLK1	Blank	06/27/24
BF41996-BS1	LCS	06/27/24

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF41996 - EPA TO15 PREP											
Blank (BF41996-BLK1)											Prepared & Analyzed: 06/27/2024
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2,2,4-Trimethylpentane	ND	0.23	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF41996 - EPA TO15 PREP											
Blank (BF41996-BLK1)								Prepared & Analyzed: 06/27/2024			
Methylene chloride	ND	0.69	ug/m³								
Naphthalene	ND	1.0	"								
n-Heptane	ND	0.41	"								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								
LCS (BF41996-BS1)								Prepared & Analyzed: 06/27/2024			
1,1,1,2-Tetrachloroethane	8.56		ppbv	10.0		85.6	70-130				
1,1,1-Trichloroethane	8.71		"	10.0		87.1	70-130				
1,1,2,2-Tetrachloroethane	8.70		"	10.0		87.0	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.75		"	10.0		87.5	70-130				
1,1,2-Trichloroethane	8.38		"	10.0		83.8	70-130				
1,1-Dichloroethane	8.42		"	10.0		84.2	70-130				
1,1-Dichloroethylene	8.21		"	10.0		82.1	70-130				
1,2,4-Trichlorobenzene	6.82		"	10.0		68.2	70-130	Low Bias			
1,2,4-Trimethylbenzene	9.57		"	10.0		95.7	70-130				
1,2-Dibromoethane	8.27		"	10.0		82.7	70-130				
1,2-Dichlorobenzene	8.66		"	10.0		86.6	70-130				
1,2-Dichloroethane	8.70		"	10.0		87.0	70-130				
1,2-Dichloropropane	8.22		"	10.0		82.2	70-130				
1,2-Dichlorotetrafluoroethane	9.23		"	10.0		92.3	70-130				
1,3,5-Trimethylbenzene	9.38		"	10.0		93.8	70-130				
1,3-Butadiene	9.99		"	10.0		99.9	70-130				
1,3-Dichlorobenzene	8.77		"	10.0		87.7	70-130				
1,3-Dichloropropane	8.15		"	10.0		81.5	70-130				
1,4-Dichlorobenzene	8.49		"	10.0		84.9	70-130				
1,4-Dioxane	8.02		"	10.0		80.2	70-130				
2,2,4-Trimethylpentane	8.97		"	10.0		89.7	70-130				
2-Butanone	8.38		"	10.0		83.8	70-130				
2-Hexanone	8.99		"	10.0		89.9	70-130				
3-Chloropropene	8.87		"	10.0		88.7	70-130				
4-Methyl-2-pentanone	8.30		"	10.0		83.0	70-130				
Acetone	9.69		"	10.0		96.9	70-130				
Acrylonitrile	9.59		"	10.0		95.9	70-130				
Benzene	8.34		"	10.0		83.4	70-130				
Benzyl chloride	8.45		"	10.0		84.5	70-130				
Bromodichloromethane	8.36		"	10.0		83.6	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF41996 - EPA TO15 PREP											
LCS (BF41996-BS1)								Prepared & Analyzed: 06/27/2024			
Bromoform	9.30		ppbv	10.0		93.0	70-130				
Bromomethane	9.10		"	10.0		91.0	70-130				
Carbon disulfide	8.38		"	10.0		83.8	70-130				
Carbon tetrachloride	8.80		"	10.0		88.0	70-130				
Chlorobenzene	8.46		"	10.0		84.6	70-130				
Chloroethane	9.09		"	10.0		90.9	70-130				
Chloroform	8.58		"	10.0		85.8	70-130				
Chloromethane	10.6		"	10.0		106	70-130				
cis-1,2-Dichloroethylene	9.09		"	10.0		90.9	70-130				
cis-1,3-Dichloropropylene	8.50		"	10.0		85.0	70-130				
Cyclohexane	8.68		"	10.0		86.8	70-130				
Dibromochloromethane	8.66		"	10.0		86.6	70-130				
Dichlorodifluoromethane	9.61		"	10.0		96.1	70-130				
Ethyl acetate	9.15		"	10.0		91.5	70-130				
Ethyl Benzene	8.65		"	10.0		86.5	70-130				
Hexachlorobutadiene	6.72		"	10.0		67.2	70-130	Low Bias			
Isopropanol	8.11		"	10.0		81.1	70-130				
Methyl Methacrylate	8.48		"	10.0		84.8	70-130				
Methyl tert-butyl ether (MTBE)	8.95		"	10.0		89.5	70-130				
Methylene chloride	8.20		"	10.0		82.0	70-130				
Naphthalene	7.55		"	10.0		75.5	70-130				
n-Heptane	9.07		"	10.0		90.7	70-130				
n-Hexane	8.92		"	10.0		89.2	70-130				
o-Xylene	8.87		"	10.0		88.7	70-130				
p- & m- Xylenes	18.0		"	20.0		90.0	70-130				
p-Ethyltoluene	9.95		"	10.0		99.5	70-130				
Propylene	9.09		"	10.0		90.9	70-130				
Styrene	9.70		"	10.0		97.0	70-130				
Tetrachloroethylene	8.34		"	10.0		83.4	70-130				
Tetrahydrofuran	8.63		"	10.0		86.3	70-130				
Toluene	7.88		"	10.0		78.8	70-130				
trans-1,2-Dichloroethylene	8.72		"	10.0		87.2	70-130				
trans-1,3-Dichloropropylene	8.61		"	10.0		86.1	70-130				
Trichloroethylene	7.34		"	10.0		73.4	70-130				
Trichlorofluoromethane (Freon 11)	8.92		"	10.0		89.2	70-130				
Vinyl acetate	7.02		"	10.0		70.2	70-130				
Vinyl bromide	9.18		"	10.0		91.8	70-130				
Vinyl Chloride	11.5		"	10.0		115	70-130				

Sample and Data Qualifiers Relating to This Work Order

TO-LCS-L	The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK
ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 2161 Whitesville Rd Toms River, NJ 08755 clientservices@yorklab.com 800-306-YORK

YORK Project Number: 24F1675

Report To:	Invoice To:
Company: G2A GeoEnvironmental	Company: G2A GeoEnvironmental
Address: 104 W 29th Street, 10th Fl	Address: 104 W 29th Street, 10th Fl
Phone.: 332-208-2260	Phone.: 332-208-2260
Contact: Mark Hutson	Contact: Mark Hutson
E-mail: mark.hutson@g2a.com	E-mail: mark.hutson@g2a.com

YOUR Project Name / Number: (Project NO. 41.0163281.00) 1107 Dekalb Avenue

PO Number:

Samples Collected From: NY ✓ | NJ | CT | PA | Other: (please specify)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Yunmee Han

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil/solid/sludge; GW - groundwater; DW - drinking water; SW - surface water; WW - wastewater; O - Oil; Other

Turn-Around Time: RUSH - Next Day; RUSH - Two Day; RUSH - Three Day; RUSH - Four Day; RUSH - Five Day; Standard (6-9 Day) Y; PFAS Standard 7-10 Day

Report Type (circle): QA Report; Summary (Results Only); NY ASP B Package; NJ Reduced; NJ DKQP; NJ Full; CT RCP

EDD Type (circle): EQuIS (standard); NYSDEC EQuIS; NJDEP SRP Haz Site; Standard Excel; CMDP; Other:

Regulatory Comparative: Compared to the following Regulation(s): (please fill in)

Preservative (please list number of containers)

Analyses Requested

Sample Identification	Date	Time	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO_3 (nitric acid)	H_2SO_4 (sulfuric acid)	NaOH (sodium hydroxide)	$Na_2S_2O_3$ (sodium thio.)	Trizma	Ammonium Acetate	Other:	TCL 8260	Full Normal 8260 List	TO-15	Grab or Comp.
MW-1403	6/25/24	09:55	GW		V3									3	3		G/C
MW-1403-MS	↓	↓	↓		V3									3	3		
MW-1403-MSD	↓	↓	↓		V3									3	3		
MW-1402	6/25/24	11:22	GW		V3									3	3		
~~Duplicate~~ MW-00X	6/25/24	11:22	GW		V1									3	3		
Influent	6/25/24	12:35	Air	V1												✓	
Effluent	6/25/24	12:39	Air	V1												✓	

Comments:

Samples iced/chilled at time of lab pickup? circle Yes or No

Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N

Custody Seals: Y / N Containers Intact: Y / N COC/Labels Agree: Y / N Preservation Confirmed: Y / N
COC Complete: Y / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N
Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N

Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Yunmee Han	6/25/24 1530	[illegible]	6/25/24 1530	[illegible]	6/25/24 16:45
Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[illegible]	6/25/24 16:45 / Degrees C

Technical Report

prepared for:

GZA GeoEnvironmental, Inc. - NYC
104 West 29th Street, 10th Floor
New York NY, 10001
Attention: Mark Hutson

Report Date: 09/26/2024
Client Project ID: 41.0163281.00
York Project (SDG) No.: 24I1450

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723

Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

120 RESEARCH DRIVE | STRATFORD, CT 06615 | 132-02 89th AVENUE | RICHMOND HILL, NY 11418
www.YORKLAB.com | (203) 325-1371 | FAX (203) 357-0166 | ClientServices@yorklab.com

Report Date: 09/26/2024
Client Project ID: 41.0163281.00
York Project (SDG) No.: 24I1450

GZA GeoEnvironmental, Inc. - NYC
104 West 29th Street, 10th Floor
New York NY, 10001
Attention: Mark Hutson

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 24, 2024 and listed below. The project was identified as your project: **41.0163281.00**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
24I1450-01	INF	Vapor Extraction	09/24/2024	09/24/2024
24I1450-02	EFF	Vapor Extraction	09/24/2024	09/24/2024

General Notes for York Project (SDG) No.: 24I1450

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By: Cassie L. Mosher

Cassie L. Mosher
Laboratory Manager

Date: 09/26/2024

Sample Information

Client Sample ID: INF

York Sample ID: 24I1450-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1450	41.0163281.00	Vapor Extraction	September 24, 2024 2:30 pm	09/24/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-TD

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	6.9	10	EPA TO-15 Certifications:	09/25/2024 10:00	09/25/2024 23:51	DRP
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	5.5	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	6.9	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	7.7	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	5.5	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
75-34-3	1,1-Dichloroethane	ND		ug/m³	4.0	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.99	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	7.4	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	4.9	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
106-93-4	1,2-Dibromoethane	ND		ug/m³	7.7	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	6.0	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
107-06-2	1,2-Dichloroethane	ND		ug/m³	4.0	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
78-87-5	1,2-Dichloropropane	ND		ug/m³	4.6	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	7.0	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	4.9	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
106-99-0	1,3-Butadiene	ND		ug/m³	6.6	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	6.0	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	4.6	10	EPA TO-15 Certifications:	09/25/2024 10:00	09/25/2024 23:51	DRP
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	6.0	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
123-91-1	1,4-Dioxane	ND	ICVE	ug/m³	7.2	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
540-84-1	* 2,2,4-Trimethylpentane	ND		ug/m³	2.3	10	EPA TO-15 Certifications:	09/25/2024 10:00	09/25/2024 23:51	DRP
78-93-3	2-Butanone	ND		ug/m³	2.9	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP

Sample Information

Client Sample ID: INF

York Sample ID: 24I1450-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1450	41.0163281.00	Vapor Extraction	September 24, 2024 2:30 pm	09/24/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-TD

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m³	8.2	10	EPA TO-15 Certifications:	09/25/2024 10:00	09/25/2024 23:51	DRP
107-05-1	3-Chloropropene	ND		ug/m³	16	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	4.1	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
67-64-1	**Acetone**	**20**		ug/m³	4.8	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
107-13-1	Acrylonitrile	ND		ug/m³	2.2	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
71-43-2	Benzene	ND		ug/m³	3.2	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
100-44-7	Benzyl chloride	ND		ug/m³	5.2	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
75-27-4	Bromodichloromethane	ND		ug/m³	6.7	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
75-25-2	Bromoform	ND	TO-CCV, TO-LCS-L	ug/m³	10	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
74-83-9	Bromomethane	ND		ug/m³	3.9	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
75-15-0	Carbon disulfide	ND		ug/m³	3.1	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
56-23-5	Carbon tetrachloride	ND		ug/m³	1.6	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
108-90-7	Chlorobenzene	ND		ug/m³	4.6	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
75-00-3	Chloroethane	ND		ug/m³	2.6	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
67-66-3	**Chloroform**	**21**		ug/m³	4.9	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
74-87-3	Chloromethane	ND		ug/m³	2.1	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.99	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	4.5	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
110-82-7	Cyclohexane	ND		ug/m³	3.4	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
124-48-1	Dibromochloromethane	ND		ug/m³	8.5	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
75-71-8	Dichlorodifluoromethane	ND		ug/m³	4.9	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
141-78-6	* Ethyl acetate	ND		ug/m³	7.2	10	EPA TO-15 Certifications:	09/25/2024 10:00	09/25/2024 23:51	DRP

Sample Information

Client Sample ID: INF

York Sample ID: 24I1450-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1450	41.0163281.00	Vapor Extraction	September 24, 2024 2:30 pm	09/24/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-TD

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/m³	4.3	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
87-68-3	Hexachlorobutadiene	ND		ug/m³	11	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
67-63-0	**Isopropanol**	**11**		ug/m³	4.9	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
80-62-6	Methyl Methacrylate	ND		ug/m³	4.1	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	3.6	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
75-09-2	Methylene chloride	ND		ug/m³	6.9	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
91-20-3	* Naphthalene	ND		ug/m³	10	10	EPA TO-15 Certifications: NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
142-82-5	n-Heptane	ND		ug/m³	4.1	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
110-54-3	n-Hexane	ND		ug/m³	3.5	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
95-47-6	o-Xylene	ND		ug/m³	4.3	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
179601-23-1	p- & m- Xylenes	ND		ug/m³	8.7	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
622-96-8	* p-Ethyltoluene	ND		ug/m³	4.9	10	EPA TO-15 Certifications:	09/25/2024 10:00	09/25/2024 23:51	DRP
115-07-1	* Propylene	ND		ug/m³	1.7	10	EPA TO-15 Certifications:	09/25/2024 10:00	09/25/2024 23:51	DRP
100-42-5	Styrene	ND		ug/m³	4.3	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
127-18-4	**Tetrachloroethylene**	**1900**		ug/m³	6.8	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
109-99-9	* Tetrahydrofuran	ND		ug/m³	5.9	10	EPA TO-15 Certifications:	09/25/2024 10:00	09/25/2024 23:51	DRP
108-88-3	**Toluene**	**5.7**		ug/m³	3.8	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	4.0	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	4.5	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
79-01-6	**Trichloroethylene**	**10**		ug/m³	1.3	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	5.6	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
108-05-4	Vinyl acetate	ND		ug/m³	3.5	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP
593-60-2	Vinyl bromide	ND		ug/m³	4.4	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP

Sample Information

Client Sample ID: INF **York Sample ID:** 24I1450-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1450	41.0163281.00	Vapor Extraction	September 24, 2024 2:30 pm	09/24/2024

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:** TO-TD

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	1.3	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/25/2024 23:51	DRP

Sample Information

Client Sample ID: EFF **York Sample ID:** 24I1450-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1450	41.0163281.00	Vapor Extraction	September 24, 2024 2:35 pm	09/24/2024

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:** TO-TD

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	6.9	10	EPA TO-15 Certifications:	09/25/2024 10:00	09/26/2024 01:18	DRP
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	5.5	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	6.9	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**38**		ug/m³	7.7	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	5.5	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
75-34-3	1,1-Dichloroethane	ND		ug/m³	4.0	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.99	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	7.4	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	4.9	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
106-93-4	1,2-Dibromoethane	ND		ug/m³	7.7	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	6.0	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
107-06-2	1,2-Dichloroethane	ND		ug/m³	4.0	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
78-87-5	1,2-Dichloropropane	ND		ug/m³	4.6	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	7.0	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	4.9	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP

Sample Information

Client Sample ID: EFF

York Sample ID: 24I1450-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1450	41.0163281.00	Vapor Extraction	September 24, 2024 2:35 pm	09/24/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-TD

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-99-0	1,3-Butadiene	ND		ug/m³	6.6	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	6.0	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	4.6	10	EPA TO-15 Certifications:	09/25/2024 10:00	09/26/2024 01:18	DRP
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	6.0	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
123-91-1	1,4-Dioxane	ND	ICVE	ug/m³	7.2	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
540-84-1	* 2,2,4-Trimethylpentane	ND		ug/m³	2.3	10	EPA TO-15 Certifications:	09/25/2024 10:00	09/26/2024 01:18	DRP
78-93-3	2-Butanone	ND		ug/m³	2.9	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
591-78-6	* 2-Hexanone	ND		ug/m³	8.2	10	EPA TO-15 Certifications:	09/25/2024 10:00	09/26/2024 01:18	DRP
107-05-1	3-Chloropropene	ND		ug/m³	16	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	4.1	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
67-64-1	**Acetone**	**16**		ug/m³	4.8	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
107-13-1	Acrylonitrile	ND		ug/m³	2.2	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
71-43-2	Benzene	ND		ug/m³	3.2	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
100-44-7	Benzyl chloride	ND		ug/m³	5.2	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
75-27-4	Bromodichloromethane	ND		ug/m³	6.7	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
75-25-2	Bromoform	ND	TO-CCV, TO-LCS-L	ug/m³	10	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
74-83-9	Bromomethane	ND		ug/m³	3.9	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
75-15-0	**Carbon disulfide**	**3.1**		ug/m³	3.1	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
56-23-5	**Carbon tetrachloride**	**1.9**	TO-CCV, TO-LCS-H	ug/m³	1.6	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
108-90-7	Chlorobenzene	ND		ug/m³	4.6	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
75-00-3	Chloroethane	ND		ug/m³	2.6	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
67-66-3	**Chloroform**	**980**		ug/m³	4.9	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP

Sample Information

Client Sample ID: EFF

York Sample ID: 24I1450-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1450	41.0163281.00	Vapor Extraction	September 24, 2024 2:35 pm	09/24/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-TD

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/m³	2.1	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
156-59-2	**cis-1,2-Dichloroethylene**	**3.2**		ug/m³	0.99	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	4.5	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
110-82-7	Cyclohexane	ND		ug/m³	3.4	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
124-48-1	Dibromochloromethane	ND		ug/m³	8.5	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
75-71-8	Dichlorodifluoromethane	ND		ug/m³	4.9	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
141-78-6	* Ethyl acetate	ND		ug/m³	7.2	10	EPA TO-15 Certifications:	09/25/2024 10:00	09/26/2024 01:18	DRP
100-41-4	Ethyl Benzene	ND		ug/m³	4.3	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
87-68-3	Hexachlorobutadiene	ND		ug/m³	11	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
67-63-0	**Isopropanol**	**12**		ug/m³	4.9	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
80-62-6	Methyl Methacrylate	ND		ug/m³	4.1	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	3.6	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
75-09-2	**Methylene chloride**	**6.9**		ug/m³	6.9	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
91-20-3	* Naphthalene	ND		ug/m³	10	10	EPA TO-15 Certifications: NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
142-82-5	n-Heptane	ND		ug/m³	4.1	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
110-54-3	n-Hexane	ND		ug/m³	3.5	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
95-47-6	o-Xylene	ND		ug/m³	4.3	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
179601-23-1	p- & m- Xylenes	ND		ug/m³	8.7	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
622-96-8	* p-Ethyltoluene	ND		ug/m³	4.9	10	EPA TO-15 Certifications:	09/25/2024 10:00	09/26/2024 01:18	DRP
115-07-1	* Propylene	ND		ug/m³	1.7	10	EPA TO-15 Certifications:	09/25/2024 10:00	09/26/2024 01:18	DRP
100-42-5	Styrene	ND		ug/m³	4.3	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
127-18-4	Tetrachloroethylene	ND		ug/m³	6.8	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
109-99-9	* Tetrahydrofuran	ND		ug/m³	5.9	10	EPA TO-15 Certifications:	09/25/2024 10:00	09/26/2024 01:18	DRP

Sample Information

Client Sample ID: EFF **York Sample ID:** 24I1450-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24I1450	41.0163281.00	Vapor Extraction	September 24, 2024 2:35 pm	09/24/2024

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:** TO-TD

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/m³	3.8	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	4.0	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	4.5	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
79-01-6	Trichloroethylene	ND		ug/m³	1.3	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
75-69-4	**Trichlorofluoromethane (Freon 11)**	**230**	TO-LCS-H	ug/m³	5.6	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
108-05-4	Vinyl acetate	ND		ug/m³	3.5	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
593-60-2	Vinyl bromide	ND		ug/m³	4.4	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
75-01-4	Vinyl Chloride	ND		ug/m³	1.3	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP

Analytical Batch Summary

Batch ID: BI41702 **Preparation Method:** EPA TO15 PREP **Prepared By:** YR

YORK Sample ID	Client Sample ID	Preparation Date
24I1450-01	INF	09/25/24
24I1450-02	EFF	09/25/24
BI41702-BLK1	Blank	09/25/24
BI41702-BS1	LCS	09/25/24

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41702 - EPA TO15 PREP											
Blank (BI41702-BLK1)											Prepared & Analyzed: 09/25/2024
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2,2,4-Trimethylpentane	ND	0.23	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41702 - EPA TO15 PREP											
Blank (BI41702-BLK1)								Prepared & Analyzed: 09/25/2024			
Methylene chloride	ND	0.69	ug/m³								
Naphthalene	ND	1.0	"								
n-Heptane	ND	0.41	"								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								
LCS (BI41702-BS1)								Prepared & Analyzed: 09/25/2024			
1,1,1,2-Tetrachloroethane	10.5		ppbv	10.0		105	70-130				
1,1,1-Trichloroethane	13.1		"	10.0		131	70-130	High Bias			
1,1,2,2-Tetrachloroethane	8.60		"	10.0		86.0	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.70		"	10.0		97.0	70-130				
1,1,2-Trichloroethane	9.24		"	10.0		92.4	70-130				
1,1-Dichloroethane	9.26		"	10.0		92.6	70-130				
1,1-Dichloroethylene	10.3		"	10.0		103	70-130				
1,2,4-Trichlorobenzene	9.42		"	10.0		94.2	70-130				
1,2,4-Trimethylbenzene	10.4		"	10.0		104	70-130				
1,2-Dibromoethane	9.99		"	10.0		99.9	70-130				
1,2-Dichlorobenzene	10.4		"	10.0		104	70-130				
1,2-Dichloroethane	10.6		"	10.0		106	70-130				
1,2-Dichloropropane	8.29		"	10.0		82.9	70-130				
1,2-Dichlorotetrafluoroethane	11.5		"	10.0		115	70-130				
1,3,5-Trimethylbenzene	10.2		"	10.0		102	70-130				
1,3-Butadiene	8.78		"	10.0		87.8	70-130				
1,3-Dichlorobenzene	10.3		"	10.0		103	70-130				
1,3-Dichloropropane	9.03		"	10.0		90.3	70-130				
1,4-Dichlorobenzene	10.6		"	10.0		106	70-130				
1,4-Dioxane	8.63		"	10.0		86.3	70-130				
2,2,4-Trimethylpentane	9.09		"	10.0		90.9	70-130				
2-Butanone	8.96		"	10.0		89.6	70-130				
2-Hexanone	9.79		"	10.0		97.9	70-130				
3-Chloropropene	8.70		"	10.0		87.0	70-130				
4-Methyl-2-pentanone	9.20		"	10.0		92.0	70-130				
Acetone	9.14		"	10.0		91.4	70-130				
Acrylonitrile	8.65		"	10.0		86.5	70-130				
Benzene	8.17		"	10.0		81.7	70-130				
Benzyl chloride	8.87		"	10.0		88.7	70-130				
Bromodichloromethane	10.4		"	10.0		104	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41702 - EPA TO15 PREP											
LCS (BI41702-BS1)								Prepared & Analyzed: 09/25/2024			
Bromoform	2.86		ppbv	10.0		28.6	70-130	Low Bias			
Bromomethane	8.52		"	10.0		85.2	70-130				
Carbon disulfide	8.03		"	10.0		80.3	70-130				
Carbon tetrachloride	14.2		"	10.0		142	70-130	High Bias			
Chlorobenzene	8.84		"	10.0		88.4	70-130				
Chloroethane	8.06		"	10.0		80.6	70-130				
Chloroform	10.8		"	10.0		108	70-130				
Chloromethane	8.25		"	10.0		82.5	70-130				
cis-1,2-Dichloroethylene	9.36		"	10.0		93.6	70-130				
cis-1,3-Dichloropropylene	9.30		"	10.0		93.0	70-130				
Cyclohexane	9.17		"	10.0		91.7	70-130				
Dibromochloromethane	8.15		"	10.0		81.5	70-130				
Dichlorodifluoromethane	12.4		"	10.0		124	70-130				
Ethyl acetate	9.18		"	10.0		91.8	70-130				
Ethyl Benzene	9.18		"	10.0		91.8	70-130				
Hexachlorobutadiene	12.8		"	10.0		128	70-130				
Isopropanol	9.11		"	10.0		91.1	70-130				
Methyl Methacrylate	8.47		"	10.0		84.7	70-130				
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	70-130				
Methylene chloride	8.18		"	10.0		81.8	70-130				
Naphthalene	11.7		"	10.0		117	70-130				
n-Heptane	8.90		"	10.0		89.0	70-130				
n-Hexane	9.04		"	10.0		90.4	70-130				
o-Xylene	9.83		"	10.0		98.3	70-130				
p- & m- Xylenes	19.2		"	20.0		96.1	70-130				
p-Ethyltoluene	9.76		"	10.0		97.6	70-130				
Propylene	8.73		"	10.0		87.3	70-130				
Styrene	9.42		"	10.0		94.2	70-130				
Tetrachloroethylene	10.9		"	10.0		109	70-130				
Tetrahydrofuran	8.59		"	10.0		85.9	70-130				
Toluene	8.93		"	10.0		89.3	70-130				
trans-1,2-Dichloroethylene	9.83		"	10.0		98.3	70-130				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	70-130				
Trichloroethylene	9.82		"	10.0		98.2	70-130				
Trichlorofluoromethane (Freon 11)	13.6		"	10.0		136	70-130	High Bias			
Vinyl acetate	9.07		"	10.0		90.7	70-130				
Vinyl bromide	8.93		"	10.0		89.3	70-130				
Vinyl Chloride	8.08		"	10.0		80.8	70-130				

Sample and Data Qualifiers Relating to This Work Order

TO-TD	The sample was received in a tedlar bag which is not compliant with EPA TO-15 requirements.
TO-LCS-L	The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
TO-LCS-H	The result reported for this compound may be biased high due to its behavior in the analysis batch LCS where it recovered greater than 130% of the expected value.
TO-CCV	The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

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Field Chain-of-Custody Record - AIR

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 24I1450

YOUR Information	Report To:	Invoice To:
Company: G2A Geoenvironmental	Company: G2A Geoenvironmental	Company: G2A Geoenvironmental
Address: 104 W29st, Fl 10, NY10001	Address: 104 W29st, Fl 10, NY10001	Address: 104 W29st, Fl 10, NY10001
Phone: 212-594-8140	Phone: 212-594-8140	Phone: 212-594-8140
Contact: Mark Hutson	Contact: Mark Hutson	Contact: Mark Hutson
E-mail: Mark.Hutson@g2a.com	E-mail: Mark.Hutson@g2a.com	E-mail: Mark.Hutson@g2a.com

YOUR Project Number: 41.0163281.00

YOUR Project Name: 41.0163281.00

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day) ✓

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by (print your name above and sign below): Yunmee Han

Yunmee Han

Air Matrix Codes

- AI - Indoor Ambient Air
- AO - Outdoor Amb. Air
- AE - Vapor Extraction Well/ Process Gas/Effluent
- AS - Soil Vapor/Sub-Slab

Samples From

- New York ✓
- New Jersey
- Connecticut
- Pennsylvania
- Other

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliv.	NYSDEC EQuIS
NY ASP B Package	NJDKQP	NJDEP SRP HazSite
Other:		

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in) NYSDEC Part 375

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ ✓ ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
INF	9/24/24 1430	AE	←	Tedlar Bag		→	TO-15
EFF	9/24/24 1435	AE	←	Tedlar Bag		→	TO-15

Comments:

Detection Limits Required

≤ 1 ug/m³ ____ NYSDEC V1 Limits ____

Routine Survey ____ Other ____

Sampling Media

- 6 Liter Canister
- Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Yunmee Han / G2A	9/24/24 1611		9/24/24 1611		9/24/24 1838
Samples Received by / Company	**Date/Time**	**Samples Relinquished by / Company**	**Date/Time**	**Samples Received by / Company**	**Date/Time**
Samples Relinquished by / Company	**Date/Time**	**Samples Received by / Company**	**Date/Time**	**Samples Received in LAB by**	**Date/Time**
				9/24/24	18:00

APPENDIX D – GROUNDWATER PURGE LOGS

WELL PURGE DATA SHEET

WELL ID: MW-1402

CLIENT:
SITE: 1107 Dekalb Avenue
WEATHER: 80-90s, Sunny

PROJECT NO: 41.0163281.00
DATE: 6/25/2024
SAMPLER(S): Yunmee Han (GZA) and Kennedy Thomas (Preferred)

COLUMN OF WATER IN WELL:
= Depth to Bottom (ft) - Static Water Level (ft)
= 52.41 - 42.83
Water Column (T) = 9.58 (ft)

GALLONS OF WATER PER WELL VOLUME:
Well Volume = Water Column (T) (ft) x Multiplier
= 9.58 x 0.041
Well Volume (V) = 0.39 (Gallons)

well diameter	multiplier
1 (x)	0.041
1.5	0.092
2	0.163
4	0.653
6	1.469

TOTAL VOLUME PURGED:
Design = N/A (gallons)
Actual = 2.4 (gallons)

PURGE RATE: 0.08 (gal / min)
PURGE METHOD: Peri Pump + Check Valve + Low Flow

SCREENED INTERVAL: Approx. 45 ft bgs

WATER QUALITY:

Time	Elapsed Time	Purged Volume (gal)	Depth to Water (ft)	pH (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temp (^{0}C)	Notes
10:52		0	42.83	7.24	0.690	93.4	6.53	25.04	Start Purging
10:57		0.4	42.83	7.15	0.610	74.2	5.98	22.88	Almost clear, little bit of orange sludge
11:02		0.8	42.83	7.15	0.604	74.5	5.20	22.02	
11:07		1.2	42.83	7.17	0.614	75.0	4.88	20.94	
11:12		1.6	42.83	7.18	0.622	67.7	4.85	20.90	
11:17		2.0	42.83	7.18	0.633	61.7	4.55	20.68	
11:22		2.4	42.83	7.18	0.633	56.9	4.32	20.68	Sample collected @11:22 am

UNITS:
gal. - gallons
ft. - feet
SU - standard units
mS/cm - millisiemens per centimeter
NTU -nephelometric turbidity units
mg/l -milligrams per liter
^{0}C - degrees Celsius

NOTES AND OBSERVATIONS:

Duplicate: MW-00X collected & MW-1402 collected @11:22 am

Groundwater depth after purging: 42 ft 83

Slight gasoline odor, but no sheen was observed

WELL PURGE DATA SHEET

WELL ID: MW-1403

CLIENT:
SITE: 1107 Dekalb Avenue
WEATHER: 80-90s, Sunny

PROJECT NO: 41.016328.00
DATE: 6.25.2024
SAMPLER(S): Yunmee Han (GZA) and Kennedy Thomas (Preferred)

COLUMN OF WATER IN WELL:
= Depth to Bottom (ft) - Static Water Level (ft)
= 53.12 - 42.24
Water Column (T) = 10.88 (ft)

GALLONS OF WATER PER WELL VOLUME:
Well Volume = Water Column (T) (ft) x Multiplier
= 10.88 x 0.163
Well Volume (V) = 1.78 (Gallons)

well diameter	multiplier
1	0.041
1.5	0.092
2 (x)	0.163
4	0.653
6	1.469

TOTAL VOLUME PURGED:
Design = N/A (gallons)
Actual = 2.8 (gallons)

PURGE RATE: 0.08 (gal / min)
PURGE METHOD: Peri Pump + Check Valve + Low Flow

SCREENED INTERVAL: Approx. 46 ft bgs

WATER QUALITY:

Time	Elapsed Time	Purged Volume (gal)	Depth to Water (ft)	pH (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temp (^{0}C)	Notes
0925		0.4	42.24	6.77	2.86	21.5	0.94	21.82	Almost clear
0930		0.8	42.22	6.73	2.82	21.8	0.07	21.06	
0935		1.2	42.22	6.68	2.62	21.8	0.35	20.99	
0940		1.6	42.22	6.65	2.42	28	0.00	20.94	
0945		2.0	42.22	6.79	2.79	31.5	8.54	20.93	
0950		2.4	42.22	6.76	2.69	35.8	8.43	20.63	
0955		2.8	42.22	6.71	2.58	33.6	8.21	20.92	Sampled @0955

UNITS:
gal. - gallons
ft. - feet
SU - standard units
mS/cm - millisiemens per centimeter
NTU -nephelometric turbidity units
mg/l -milligrams per liter
^{0}C - degrees Celsius

NOTES AND OBSERVATIONS:

MS/MSD & MW-1403 collected at 0955 am

Groundwater depth after purging 42ft 22

WELL PURGE DATA SHEET

WELL ID: MW-1402

CLIENT: ABC NY
SITE:1107 Dekalb Avenue, Brooklyn, NY 11211
WEATHER: 60-70's, Cloudy

PROJECT NO: 41.0163281.00
Date: 9/24/2024
SAMPLER(S): YH and MDL

COLUMN OF WATER IN WELL:

T = Depth to Bottom (ft) - Static Water Level (ft)

= 52.89 - 43.1

Water Column (T) = 9.79 (ft)

GALLONS OF WATER PER WELL VOLUME:

Well Volume = Water Column (T) (ft) x Multiplier

= 9.79 x 0.041

Well Volume (V) = 0.40 (Gallons)

well diameter	multiplier
1	**0.041**
1.5	0.092
2	0.163
4	0.653
6	1.469

TOTAL VOLUME PURGED:

Design = 1.20 (gallons)

Actual = 0.75 [1] (gallons)

PURGE RATE: Variable (mL / min)

PURGE METHOD: Peristaltic Pump, Low Flow Sampling

SCREENED INTERVAL: approximately 40 to 50 ft bgs

WATER QUALITY:

Time	Elapsed Time (Mins)	Purged Volume (gal)	Depth to Water (ft)	pH (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temp (^{0}C)	ORP	Notes
11:40	0									Start purging (Horiba leaking)
12:00	0									Start purging (2nd attempt)
12:15	5	~0.1	43.31	6.96	0.604	428	3.38	22.32	-47	Orange
12:20	10	~0.2	43.5	6.86	0.615	376	3.6	22.18	-53	Slight Orange
12:25	15	~0.4	44.01	5.73	0.477	255	5.25	19.28	2	Slight Orange
12:30	20	~0.5	43.92	6.64	0.586	229	9.34	21.63	6	Almost clear
12:35	25	~0.6	43.78	6.51	0.605	213	5.03	20.46	-66	Almost clear
12:40	30	~0.7	43.81	5.91	0.271	206	5.25	22.38	-32	Almost clear
12:45	35	~0.7	43.69	6.02	0.350	197	3.47	22.96	-27	Almost clear
12:50	40	~0.75	43.59	6.74	0.580	194	3.06	22.61	-66	Almost clear
12:55	45	~0.75	43.44	6.69	0.561	77	3.21	23	-55	Clear -> Sample here

UNITS:

gal. - gallons
ft. - feet
SU - standard units
ORP - Oxygen Reduction Potential

mS/cm - millisiemens per centimeter
NTU -nephelometric turbidity units
mg/l -milligrams per liter
^{0}C - degrees Celsius
bgs - below ground surface
NA - not applicable

NOTES AND OBSERVATIONS:

1. Purged volume was estimated.

PID reading: 0.0 ppm/ Slight Petroleum Odor

MW-1402 collected @13:00, MS collected @ 13:10 & MSD collected @13:15

WELL PURGE DATA SHEET

WELL ID: MW-1403

CLIENT: ABC NY
SITE:1107 Dekalb Avenue, Brooklyn, NY 11211
WEATHER: 60-70's, Cloudy

PROJECT NO: 41.0163281.00
Date: 9/24/2024
SAMPLER(S): YH and MDL

COLUMN OF WATER IN WELL:

T = Depth to Bottom (ft) - Static Water Level (ft)
= 53.71 - 43.65
Water Column (T) = 10.06 (ft)

GALLONS OF WATER PER WELL VOLUME:

Well Volume = Water Column (T) (ft) x Multiplier
= 10.06 x 0.163
Well Volume (V) = 1.64 (Gallons)

well diameter	multiplier
1	0.041
1.5	0.092
2	**0.163**
4	0.653
6	1.469

TOTAL VOLUME PURGED:

Design = 4.92 (gallons)
Actual = 0.3 [1] (gallons)

PURGE RATE: Variable (mL / min)
PURGE METHOD: Peristaltic Pump, Low Flow Sampling

SCREENED INTERVAL: approximately 40 to 50 ft bgs

WATER QUALITY:

Time	Elapsed Time (Mins)	Purged Volume (gal)	Depth to Water (ft)	pH (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temp (^{0}C)	ORP	Notes
13:30	0									Start purging
13:35	5	~0.1	44.03	6.18	1.54	29.5	9.57	22.64	-14	Clear
13:40	10	~0.2	43.97	7.01	1.56	27.1	9.24	22.89	124	Clear
13:45	15	~0.25	43.81	7.02	1.56	23.2	9.11	22.94	127	Clear
13:50	20	~0.4	43.68	7.00	1.61	13.1	9.46	21.93	125	Clear -> sampled here

UNITS:

gal. - gallons
ft. - feet
SU - standard units
ORP - Oxygen Reduction Potential
mS/cm - millisiemens per centimeter
NTU -nephelometric turbidity units
mg/l -milligrams per liter
^{0}C - degrees Celsius
bgs - below ground surface
NA - not applicable

NOTES AND OBSERVATIONS:

1. Purged volume was estimated.

PID reading: 0.0 ppm

MW-1403 collected @13:55 & 9.24.2024_Duplicate collected @ 14:00