



May 6, 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

Dear Ms. Salazar:

Tyll Engineering and Consulting PC (TEC) and GZA GeoEnvironmental of New York (GZA) are 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 February 7, 2025. Please find the revised Periodic Review Report (PRR) enclosed.

NYSDEC comments:

1. Comment #7: NYSDEC approved discontinuation of monitoring for MW-1401 on April 15, 2024 as part of the 2023 PRR acceptance letter (attached as a separate file).

Response: The 2023 PRR acceptance letter issued by the NYSDEC on April 15, 2024 has been received and is attached as **Appendix E**.

2. Comment #8: Please explain possible reasons in the main body of the PRR why chloroform and freon 11 are being detected at high concentrations in the SVE influent and effluent when they were historically an order of magnitude smaller. The comment response also recommends changing out the carbon tanks to mitigate concentrations of VOCs in the effluent and prevent breakthrough but this is not present in the report. Include these action items.

Response: Possible reasons for high concentrations of Freon 113, Chloroform, and Freon 11 in the influent and effluent samples are provided under section III - Remedy Performance, Effectiveness, and Protectiveness, along with mitigation recommendations. These compounds have likely saturated and are being detected in the effluent samples. An action item to replace the carbon drums has been included in the PRR.

3. Comment: V(B) – Summary of Monitoring Completed During Reporting Period: The last paragraph states that soil vapor sample data is unavailable for Q4 2023 and Q1 2024 but Table 4 has a column indicating data taken from a January 25, 2024 sampling event. Q2 2024 is missing though, please confirm which quarter is missing data.



Response: Missing groundwater data are from the fourth quarter of 2023 (Q4 2023) and the second quarter of 2024 (Q2 2024). Section V. Monitoring Plan Compliance Report, B. Summary of Monitoring Completed During Reporting Period has been updated accordingly.

NYSDOH comments:

1. Comment: **5A – Components of the Monitoring Plan:** A more robust approach should be taken in determining breakthrough of the activated carbon drums rather than using a PID on the SVE system inlet and outlet. Given that vapor samples were collected at the influent and effluent in January, June and September, we recommend changing the language from using a PID quarterly to determine breakthrough, to using the vapor data collected each quarter to determine breakthrough. A PID will not detect all the chlorinated volatiles of concern at the site, therefore using the vapor data is preferred.

Response: The vapor data collected each quarter will be used to determine breakthrough of the activated carbon drums in the future. Section III - Remedy Performance, Effectiveness, and Protectiveness has been updated accordingly.

2. Comment: Table 4: Given the high concentrations of Freon-113, chloroform and Freon-11, there is reason to believe these compounds have saturated, and are being stripped from the activated carbon. Therefore, the Department recommends replacing the carbon drums now and resampling the effluent.

Response: To mitigate the concentrations of VOCs in effluent samples and prevent future breakthroughs, the carbon drums will be replaced and the effluent will be resampled. Section III. Remedy Performance, Effectiveness, and Protectiveness and Section VII. Overall PRR Conclusions and Recommendations have been updated accordingly.

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

Very truly yours,

TYLL ENGINEERING AND CONSULTING, PC

A handwritten signature in black ink, appearing to read 'Karen Tyll'.

Karen G. Tyll, P.E.
President

GZA GEOENVIRONMENTAL OF NEW YORK

A handwritten signature in black ink, appearing to read 'Mark Hutson'.

Mark Hutson, P.G.
Senior Project Manager

A handwritten signature in blue ink, appearing to read 'Victoria Whelan'.

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 May 2025

Table of Contents

Certification

I. EXECUTIVE SUMMARY	1
II. SITE OVERVIEW	3
A. Site Location	3
B. Site Chronology	3
III. REMEDY PERFORMANCE, EFFECTIVENESS & PROTECTIVENESS	5
IV. IC / EC PLAN COMPLIANCE REPORT	8
A1. IC Requirements and Compliance	8
1. IC Controls.....	9
2. Status of each IC	10
3. Corrective Measures.....	10
4. IC Conclusions and Recommendations.....	10
A2. EC Requirements and Compliance.....	10
1. EC Controls.....	11
2. Status of each EC.....	11
3. Corrective Measures.....	11
4. EC Conclusions and Recommendations.....	11
V. MONITORING PLAN COMPLIANCE REPORT	12
A. Components of the Monitoring Plan	12
B. Summary of Monitoring Completed During Reporting Period	12
C. Comparisons with Remedial Objectives	13
D. Monitoring Deficiencies	13
E. Conclusions and Recommendations.....	14
VI. OPERATIONS & MAINTENANCE PLAN COMPLIANCE REPORT	14
A. Components of the O&M Plan	14
B. Summary of O&M Completed During Reporting Period	16
C. Evaluation of Remedial Systems	16
D. O&M Deficiencies	16
E. Conclusions and Recommendations for Improvements	16
VII. OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS	17
A. Compliance with the SMP	17
B. Performance and Effectiveness of Remedy	17
C. Future PRR Submittals	17

TABLES

Table 1 - Groundwater Analytical Results – MW1401 (Not Sampled During this Reporting Period)
Table 2 - Groundwater Analytical Results – MW1402
Table 3 - Groundwater Analytical Results – MW1403
Table 4 Soil Vapor Analytical Results – SVE Influent and Effluent
Table 5 QA/QC Analytical Results

GRAPHS

Graph 1 MW1401
Graph 2 MW1402
Graph 3 MW1403
Graph 4 SVE Influent

FIGURES

GZA Figures

Figure 1 Site Location Map
Figure 3 Soil Vapor Extraction Layout
Figure 4 Monitoring Well Network

AMC Engineering, LLC. Historical Figures

Figure 2 Site Cover

APPENDICES

Appendix A - Site Inspection Checklists and Photolog
Appendix B - Laboratory Reports – Groundwater Sampling
Appendix C - Laboratory Reports – SVE Sampling
Appendix D - Groundwater Purge Logs
Appendix E - 2023 PRR Acceptance Letter

Certification

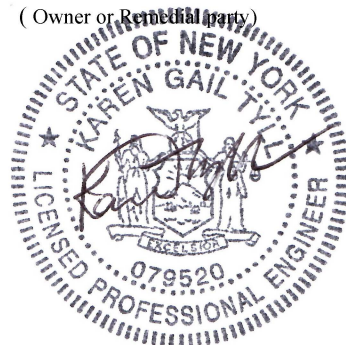
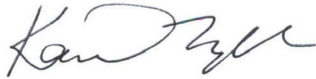
For each institutional or engineering control identified for the site, I certify that all of the following statements are true:

- a. The institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by DER;
- b. Nothing has occurred that would impair the ability of such control to protect public health and the environment;
- c. Nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control;
- d. Access to the site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control.

I Karen G. Tyll, PE at 169 Commack Road, Suite H173, Commack, NY 11725,
(Print Name) (Print Business Address)

And certifying as a Professional Engineer for the Owner.

(Owner or Remedial Party)



6/2/2025

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

Stamp for PE

Date



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



Site Details

Box 1

Site No. **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? ☒ ☐

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? ☐ ☒

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? ☐ ☒

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? ☐ ☒

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development? ☐ ☒

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below? ☒ ☐
Restricted-Residential, Commercial, and Industrial

7. Are all ICs in place and functioning as designed? ☒ ☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

Box 2A

YES NO

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

☐ YES ☒ NO

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)

☒ YES ☐ NO

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**ParcelOwnerInstitutional 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**ParcelEngineering 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)

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 complete.

YES NO

☒ ☐

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

(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

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

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

YES NO

☒ ☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C224176

Box 6

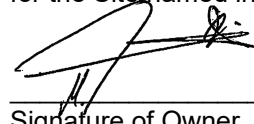
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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 at 45n statton plz suite 315 Great Neck NY 11021
print name 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

12/5/2024

Date

EC CERTIFICATIONS

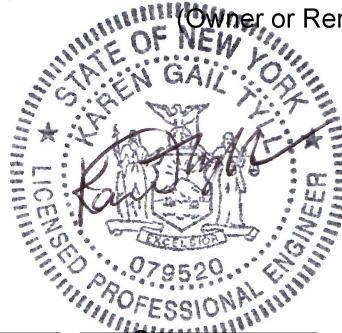
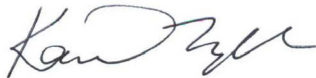
Box 7

Professional Engineer Signature

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

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

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



12/13/2024

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

Stamp
(Required for PE)

Date

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 NYSDEC approved discontinuation of MW-1401 on April 15, 2024 as part of the 2023 PRR acceptance letter (attached as **Appendix E**). 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. 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/m³ 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/m³).

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 is 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 4 – 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 (see **Figure 2** – Site Layout Map). 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.

Chemical oxidant injections performed at the Site in the past have 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 through 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 significant 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 µg/m³, a total CVOC concentration of 3,592.66 µg/m³ and a total VOC concentration of 165,731.77. 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.

In each sampling event, there has been a reduction in VOCs between the influent and effluent samples, 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 than the influent samples. This was primarily due to the spike in concentrations in Freon 113, Chloroform, and Freon 11 in the June 2024 effluent sample. These compounds were also detected at higher concentrations in the September 2024 effluent sample. These compounds have likely saturated and are being detected in effluent samples. The carbon drums will be replaced and the effluent will be resampled in order to mitigate the concentrations of VOCs in effluent samples and prevent future breakthroughs. The vapor data collected each quarter will be used to determine breakthrough of the activated carbon drums in the future, since a PID will not detect all the chlorinated volatiles of concern at the Site.

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 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 SVI investigation 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.

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).

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 ft² 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. 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 a significant reduction of VOCs. Several elevated VOC concentrations are still present on the site such as tetrachloroethene (PCE) in Soil Vapor (1,900 ug/ m³ in September 2024) and trichloroethene (TCE) in water and soil vapor (0.91 ug/L in groundwater from MW-1403 and 10 ug/m³ in soil vapor in September 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 significant 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.

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 June and September 2024. Groundwater analytical data from the fourth quarter of 2023 (Q4 2023) and the second quarter of 2024 (Q2 2024) were not available to TEC or GZA at the time of issuance of this PRR.

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.

SVE system samples were collected on 12/11/17, 3/28/2018, 6/26/2018, 9/18/18, 3/21/19, 6/24/19, 9/28/20, 12/29/20, 3/31/21, 8/9/21, 12/21/21, 9/2/22, 1/9/23, 9/5/23, 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 second 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 significant 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.

2. 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.

3. 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).

4. 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 has 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 significant 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 significant reduction of VOCs. Several elevated VOC concentrations are still present on the site such as PCE in Soil Vapor (1,900 ug/ m³ in September 2024) and TCE in water and soil vapor (0.91 ug/L in groundwater from MW-1403 and 10 ug/m³ in soil vapor in September 2024), however, the petroleum related compounds associated with the site's former use as a gas station have been reduced to levels below at or below their associated SGVs.

In June 2024 and September 2024 SVE sampling events, CVOCs and total VOCs were at higher concentrations in the effluent than the influent samples, primarily due to the spike in concentrations in Freon 113, Chloroform, and Freon 11. These compounds have likely saturated and are being detected in effluent samples. The carbon drums will be replaced and the effluent will be resampled to mitigate the concentrations of VOCs in effluent samples and prevent future breakthroughs.

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.

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 Analytical 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 indicator

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

ug/m³: micrograms per cubic meter

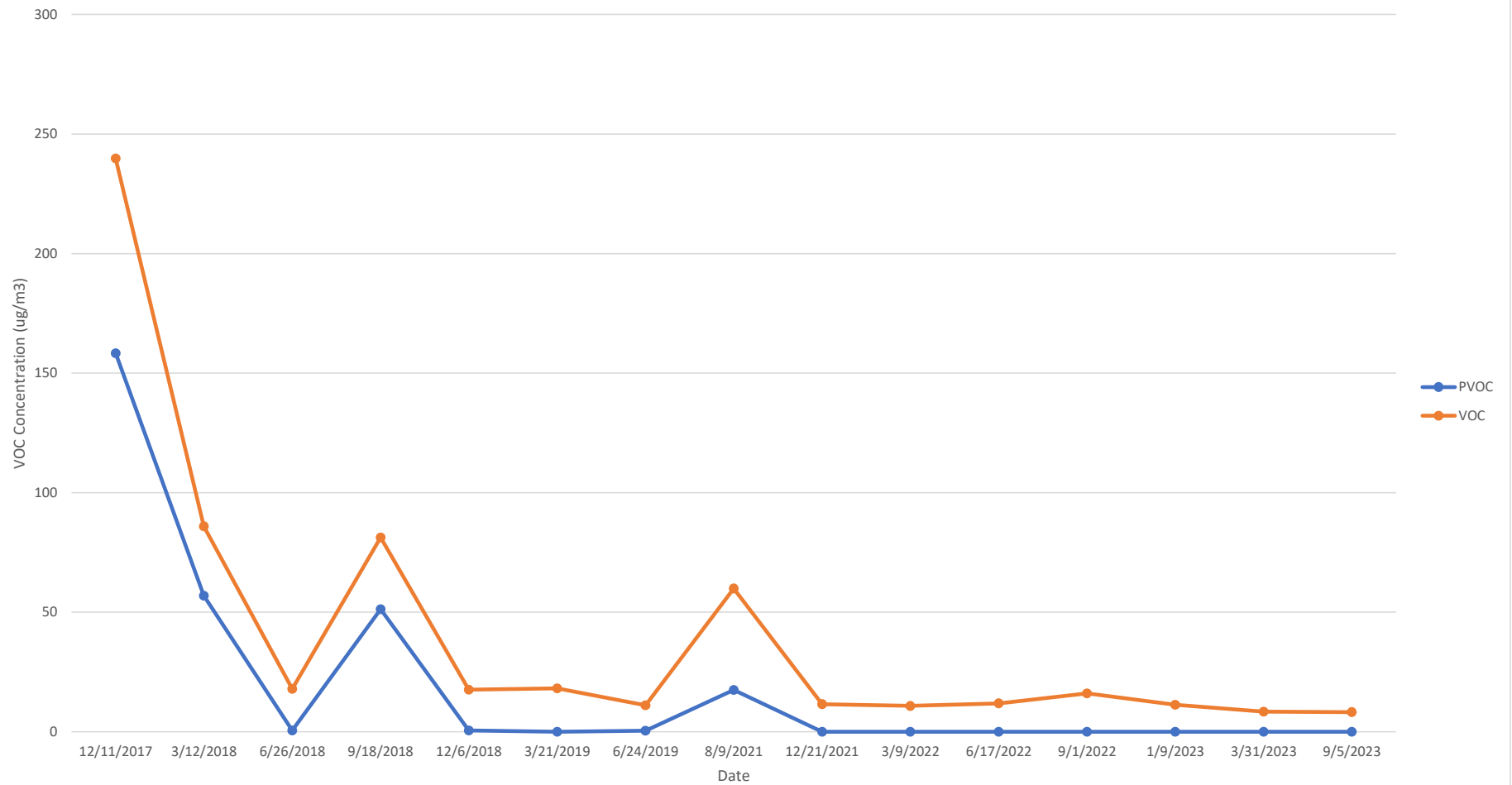
Qual : Qualifier

NT: Analyte was not a target for the sample

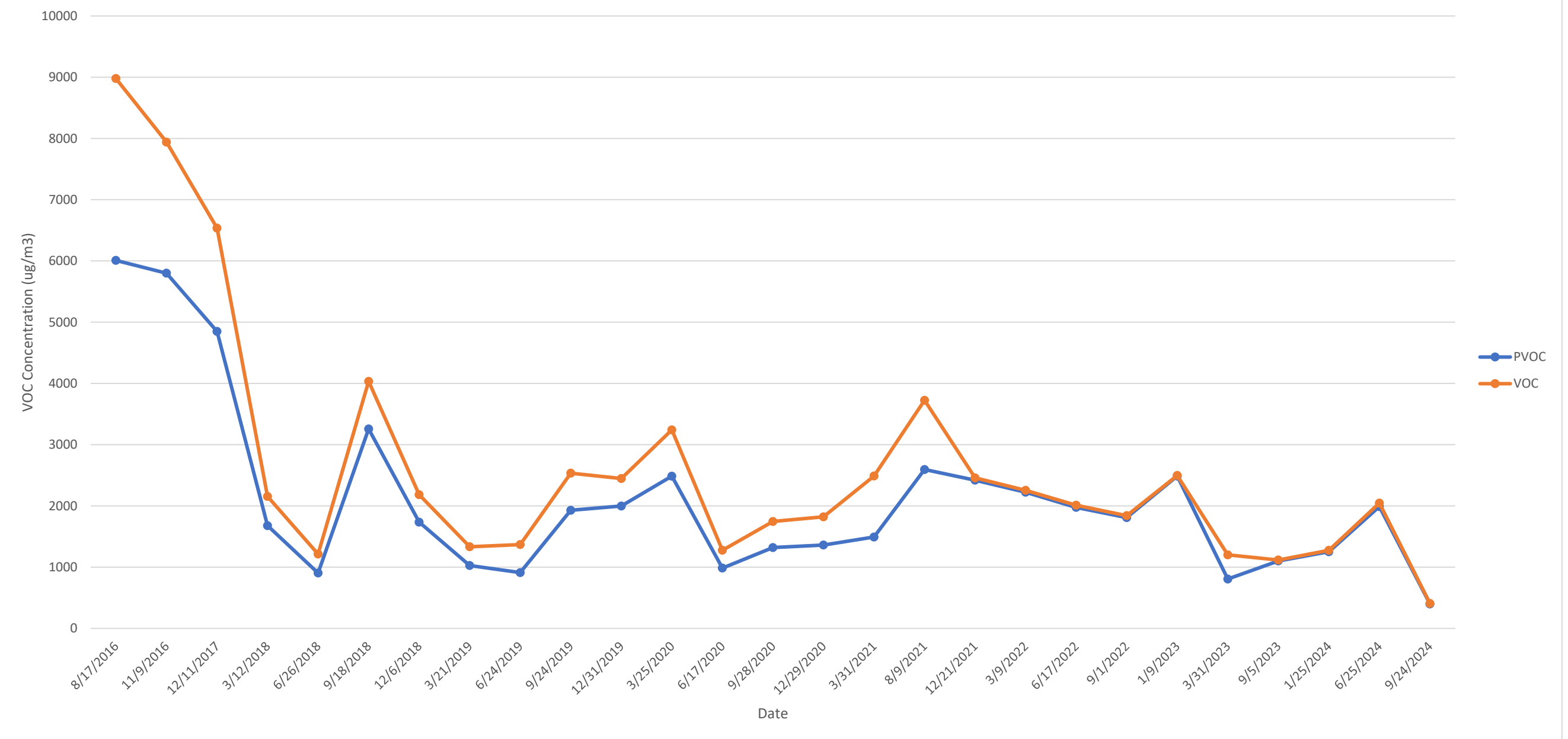
GRAPHS

Graph 1
MW1401

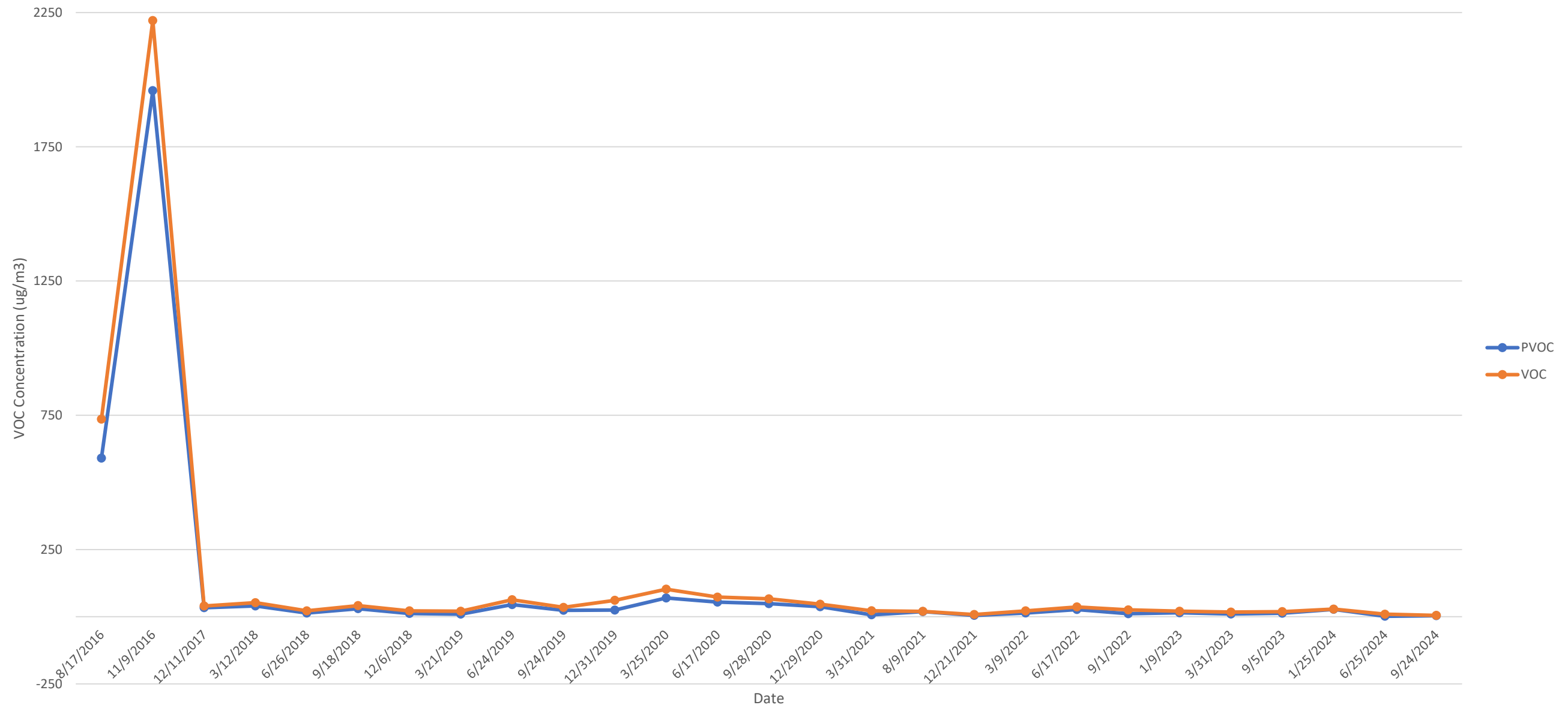
1103-1107 Dekalb Avenue, Brooklyn, NY
November 2023 - November 2024



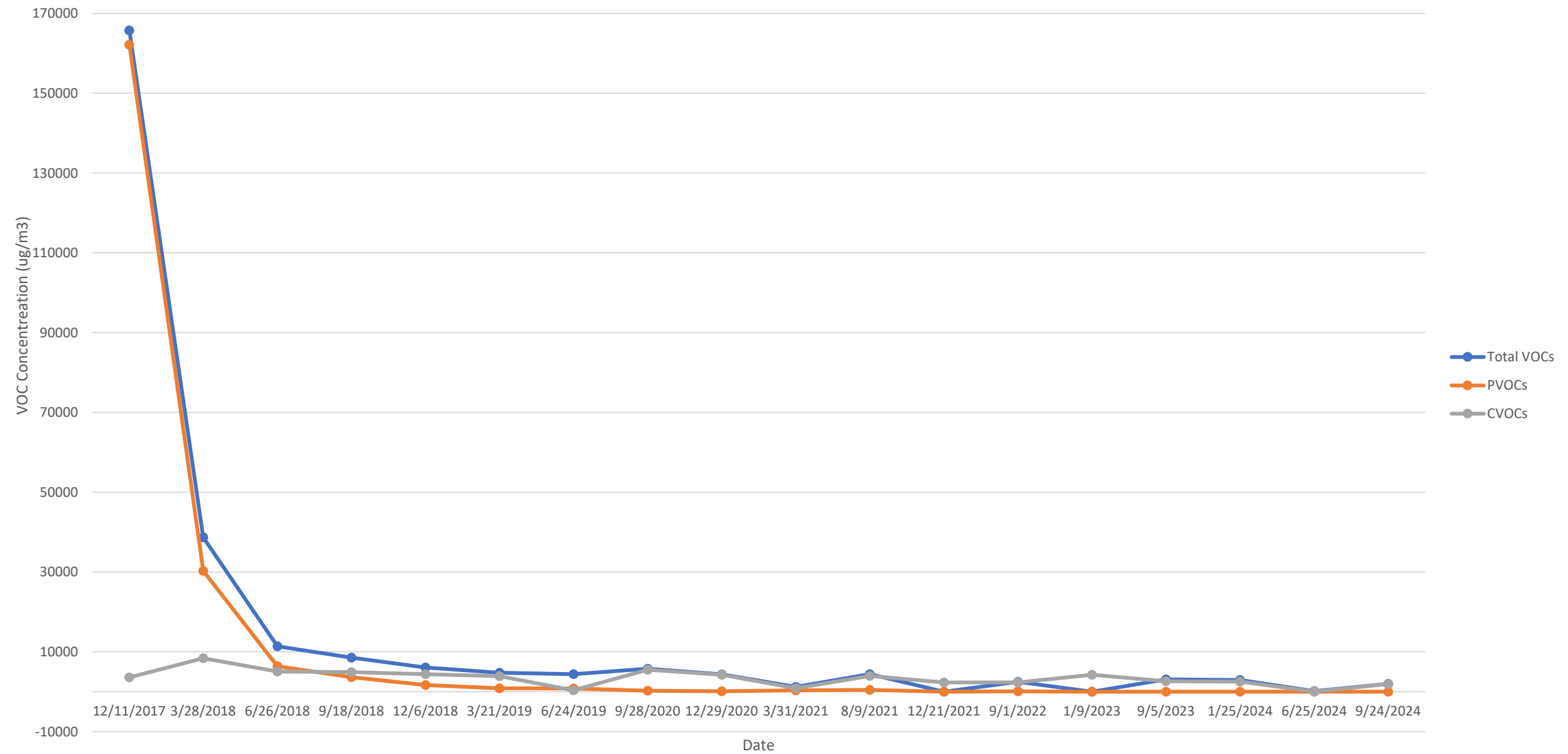
Graph 2
MW1402
1103-1107 Dekalb Avenue, Brooklyn, NY
November 2023 - November 2024



Graph 3
MW1403
1103-1107 Dekalb Ave, Brooklyn, NY
November 2023 - November 2024

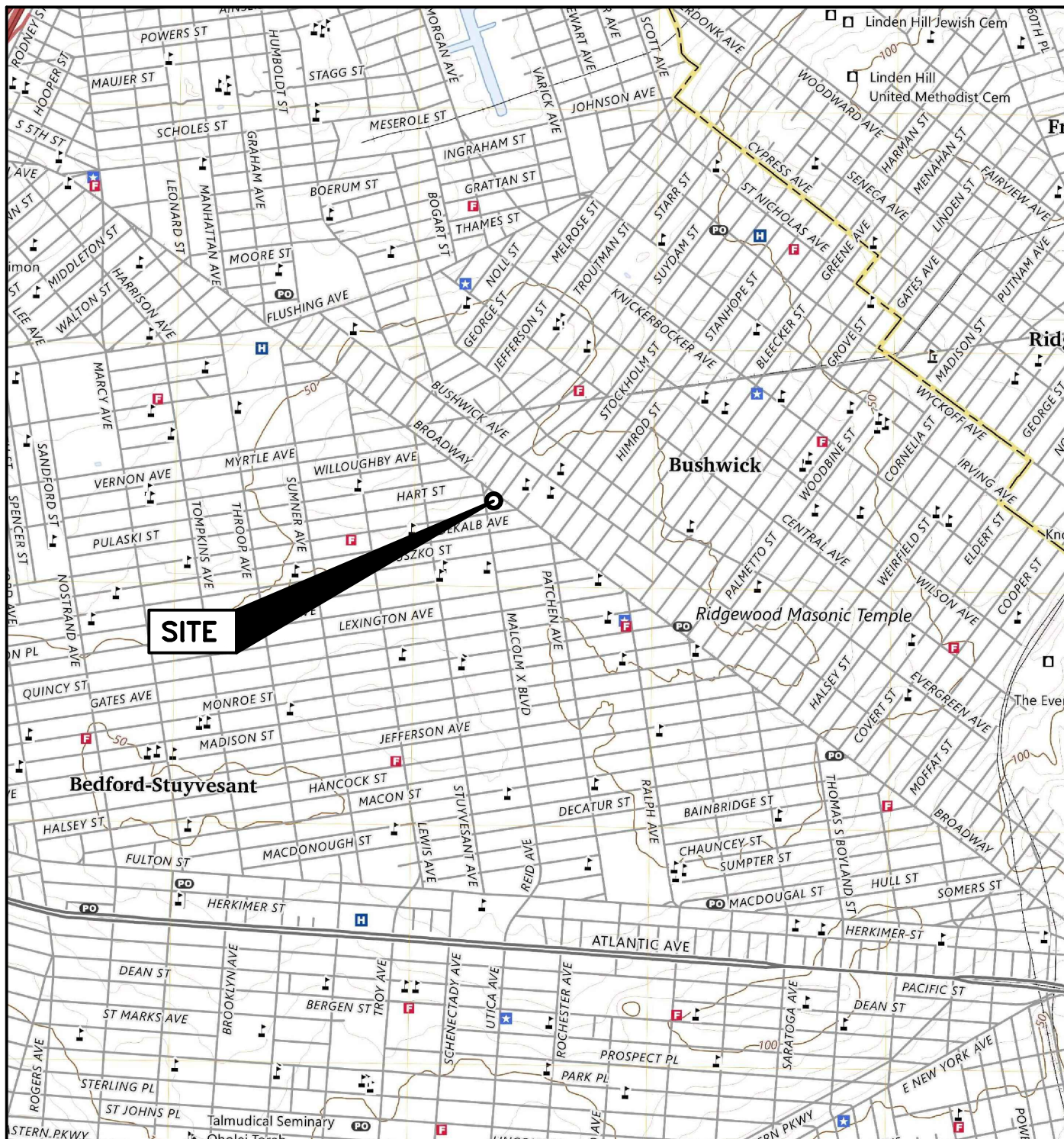


Graph 4
SVE System Influent
1103-1107 Dekalb Avenue, Brooklyn, NY
November 2023 - November 2024



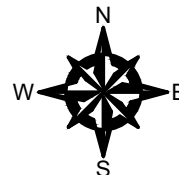
FIGURES

© 2022 - GZA GeoEnvironmental of NY.
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



SOURCE:

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

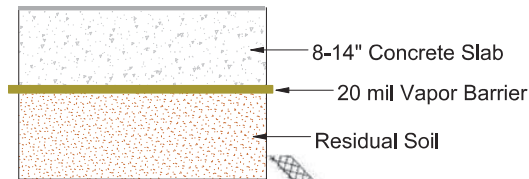


UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

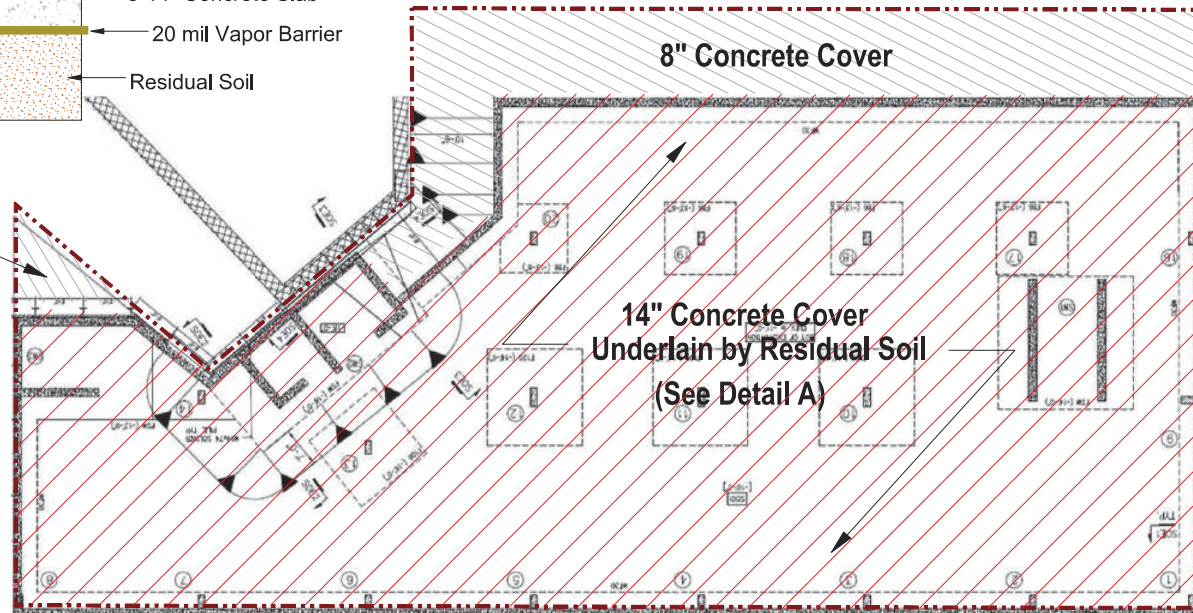
11-07 DEKALB AVENUE, BROOKLYN, NY		PREPARED BY:  GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: ABC NY	
SITE LOCATION MAP		PROJ MGR: MH	REVIEWED BY: MH	CHECKED BY: VW	FIGURE 1 SHEET NO. 1 OF 1
		DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1"=2000'	
		DATE: DECEMBER, 2024	PROJECT NO. 41.0163281.00	REVISION NO. -	



Detail A



8" Concrete Cover

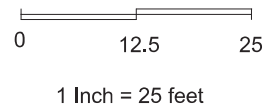


DEKALB AVENUE

KEY:

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

SCALE:



MALCOLM X BOULEVARD

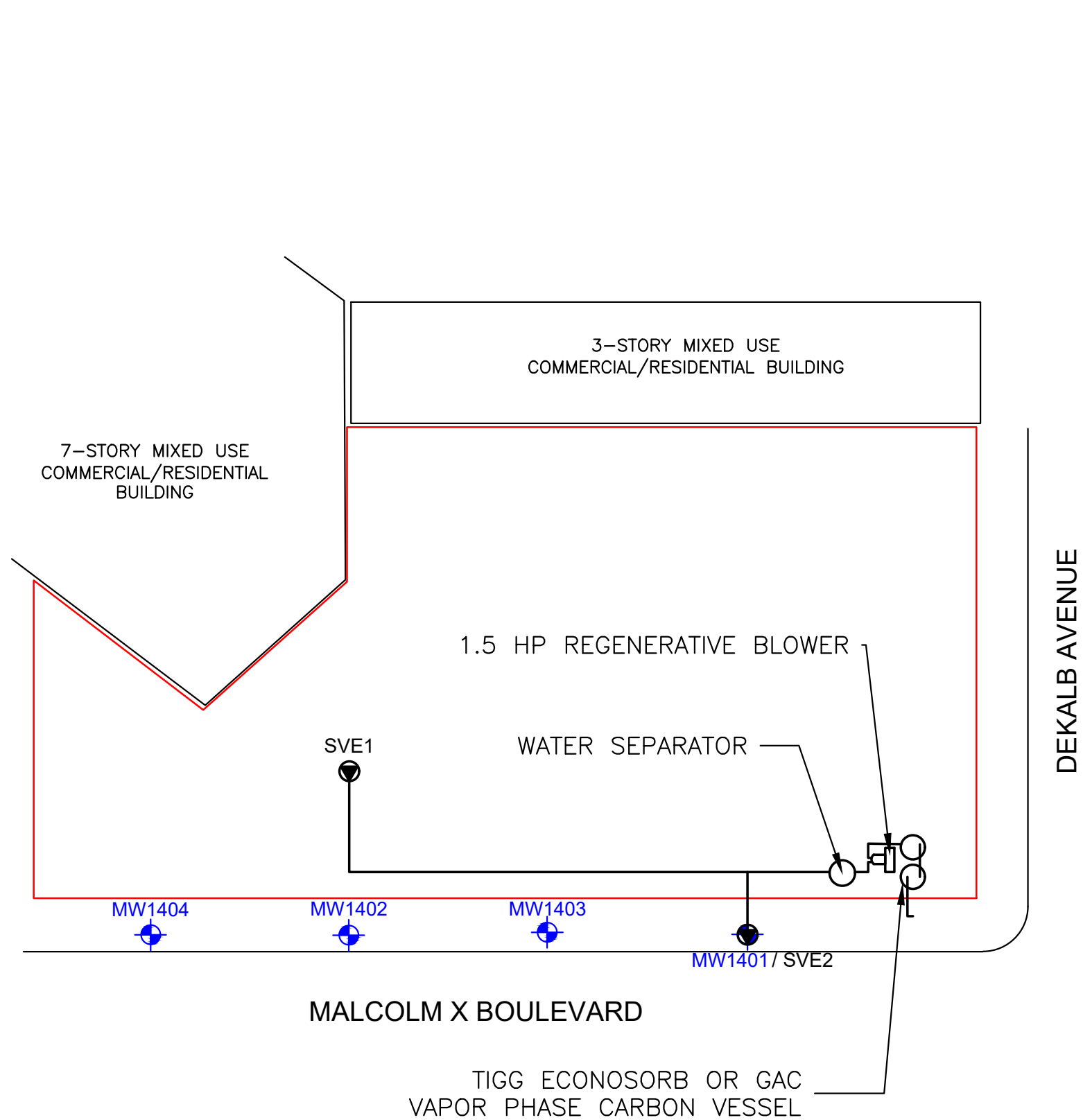


AMC Engineering, PLLC
18-36 42nd Street
Astoria, NY 11105

Figure No.
2

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

©2022 – GZA GeoEnvironmental of NY.
GZA-J:\Active 163200 to 163299\163281.00 – 1107 Dekalb GWS and Periodic Review Report\Drawings\GZA CAD\163281.00.dwg [Fig 3 – SVE] December 09, 2024 – 11:37am Sella.Gupta

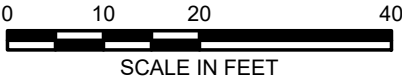


GENERAL NOTES

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).

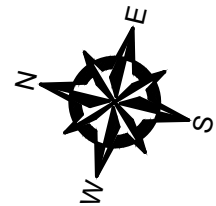
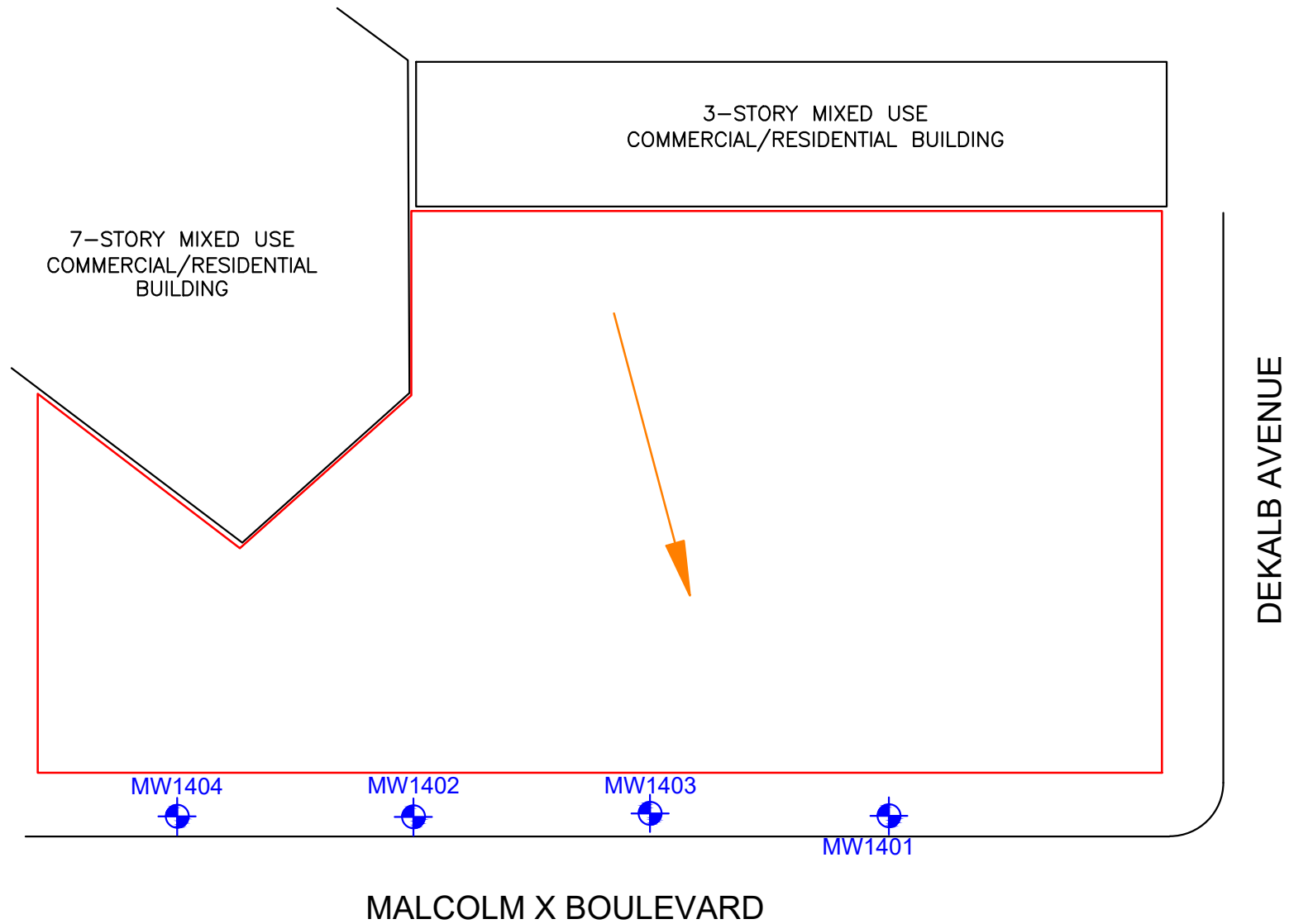
LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE MONITORING WELL LOCATION
- APPROXIMATE VAPOR EXTRACTION WELL



NO.	ISSUE/DESCRIPTION	BY	DATE
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEORENVIROMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.			
11-07 DEKALB AVENUE, BROOKLYN, NY			
SOIL VAPOR EXTRACTION LAYOUT			
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 3 SHEET NO. 1 OF 1
DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1" = 20'	
DATE: DECEMBER 2024	PROJECT NO. 41.0163281.00	REVISION NO. -	

©2022 – GZA GeoEnvironmental of NY.
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 – 4:01 pm Sella.Gupta



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
- APPROXIMATE MONITORING WELL LOCATION
- INFERRED GROUNDWATER FLOW DIRECTION



NO.	ISSUE/DESCRIPTION	BY	DATE
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOTECHNICAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.			
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 SHEET NO. 1 OF 1
DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1" = 20'	
DATE: DECEMBER 2024	PROJECT NO. 41.0163281.00	REVISION NO. -	



SCALE:

0 12.5 25

1 Inch = 25 feet

7-Story Mixed Use
Commercial/Residential Building

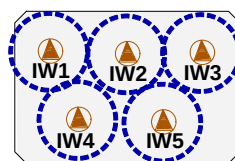
3-Story Mixed Use
Commercial/Residential Building

Former Location of the
Service Station Building

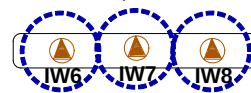
Former Dispenser Island

Former Waste Oil UST
(removed)

Former Tank Pad



Former Dispenser Island



Former Gasoline UST
(removed)



MW1401



MW1402



MW1403



DEKALB AVENUE

MALCOLM X BOULEVARD

KEY:



Site Boundary

MWx



Performance Monitoring Well Location



Chemical Injection Well / Inj. Radius



AMC Engineering, 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-Cancellieri

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

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

Other Comments AND/OR ACTIONS TAKEN:

Influent Sample Collected @ 12:35

Effluent Sample Collected @ 12:35



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	<u>-17</u>
Sample Ports	PID (PPM)
Before Carbon	<u>72.1</u>
Between Carbon	72.1 <u>4.3</u>
After Carbon	<u>1.1</u>

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

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 Zweier / 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

Blower 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 ☐

Bailer ☐

Submersible ☐

Pump ☐

Peri-pump ☒

Check valve ☒

volume of water removed:

 gal.

Centrifugal ☐

Pos. Displ. ☐

Disposable ☐

Bladder Pump ☐

(Low Flow)

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

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	1500 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	23.0	0.00	28.2
9:45	7500	6.79	20.93	2.77	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 ☒ describe

Sheen? yes ☐ no ☒ describe

Odor? yes ☐ no ☒ 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-1402

WELL ID: MW-1402

SAMPLERS: YH
12TC

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 _____

Bailer _____

Submersible _____

Pump _____

Peripump ☒

check valve ☒

Centrifugal _____

Pos. Displ. _____

Disposable _____

Bladder Pump _____

(Low Flow) _____

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

1 in 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

10:52

10:54

11:02

11:07

11:12

11:17

11:22

Volume of Purge Water (in ml)	pH	Temp (°C)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
0	7.24	25.04	0.690	93.4	6.53	-97
1500	7.15	22.88	0.610	79.2	5.90	-85
3000	7.15	22.02	0.604	74.5	5.20	-86
4500	7.17	20.94	0.614	75.0	4.88	-88
6000	7.18	20.90	0.622	67.7	4.85	-89
7500	7.18	20.68	0.633	61.7	4.55	-90
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 ☒ describe _____

Sheen? yes _____ no ☒ describe _____

Odor? yes ☒ 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-Cancellieri

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

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

Other Comments AND/OR ACTIONS TAKEN:

Influent Sample Collected @ 12:35

Effluent Sample Collected @ 12:35



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: ABC NY		Subject Property Location: 1107 Dekalb Avenue, Brooklyn, NY	Project No. 41.0163281.00
Photo No. 1	Date: 6/25/24		
Direction Photo Taken: East			
Description: SVE System - Influent			

Photo No. 2	Date: 6/25/24	
Direction Photo Taken: North		
Description: SVE System - Effluent		



Photographic Log

Client Name: ABC NY		Subject Property Location: 434 Riverdale Avenue, Brooklyn, NY		Project No. 41.0163368.00
Photo No. 3	Date: 6/25/24			
Direction Photo Taken: East				
Description: SVE vacuum gauge				

Photo No. 4	Date: 6/25/24	
Direction Photo Taken: South		
Description: SVE system gauge		



Client Name: ABC NY		Subject Property Location: 1107 Dekalb Avenue, Brooklyn, NY	Project No. 41.0163281.00
Photo No. 5	Date: 9/24/24		
Direction Photo Taken: North			
Description: Collection of SVE soil vapor sample.			

Photo No. 6	Date: 9/24/24
Direction Photo Taken: Southwest	
Description: Groundwater sampling during September 2024.	





Photographic Log

Client Name: ABC NY		Subject Property Location: 1107 Dekalb Avenue, Brooklyn, NY	Project No. 41.0163281.00
Photo No. 7	Date: 10/25/24		
Direction Photo Taken: East			
Description: Installation of new groundwater monitoring well MW-1404.			

Photo No. 8	Date: 10/25/24	
Direction Photo Taken: Northeast		
Description: Installation of MW-1404 with flush mount cover.		



Photographic Log

Client Name: ABC NY		Subject Property Location: 434 Riverdale Avenue, Brooklyn, NY		Project No. 41.0163368.00
Photo No. 3	Date: 6/25/24			
Direction Photo Taken: East				
Description: SVE vacuum gauge				

Photo No. 4	Date: 6/25/24	
Direction Photo Taken: South		
Description: SVE system gauge		



Photographic Log

Client Name: ABC NY		Subject Property Location: 1107 Dekalb Avenue, Brooklyn, NY	Project No. 41.0163281.00
Photo No. 5	Date: 9/24/24		
Direction Photo Taken: North			
Description: Collection of SVE soil vapor sample.			

Photo No. 6	Date: 9/24/24
Direction Photo Taken: Southwest	
Description: Groundwater sampling during September 2024.	





Photographic Log

Client Name: ABC NY		Subject Property Location: 1107 Dekalb Avenue, Brooklyn, NY	Project No. 41.0163281.00
Photo No. 7	Date: 10/25/24		
Direction Photo Taken: East			
Description: Installation of new groundwater monitoring well MW-1404.			

Photo No. 8	Date: 10/25/24	
Direction Photo Taken: Northeast		
Description: Installation of MW-1404 with flush mount cover.		

APPENDIX B – LABORATORY REPORTS: GROUNDWATER



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,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

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



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



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



Analysis Report

February 06, 2024

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

Sample Information

Matrix: GROUND WATER
Location Code: PREFRDNY
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

01/25/24
01/26/24

Time

9:52
16:35

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
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

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
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
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 %

B

1

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
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

B

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 (preceded 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



Analysis Report

February 06, 2024

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

Sample Information

Matrix: GROUND WATER
Location Code: PREFRDNY
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

01/25/24
01/26/24

Time

9:09
16:35

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
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

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
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
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 %

B

1

Parameter	Result	ppbv RL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	102			%	1	01/27/24	MH	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	100	50	ug/l	1	01/27/24	MH	SW8260D
<u>Volatiles</u>								
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
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

B

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
<u>QA/QC Surrogates</u>								
% 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



Analysis Report

February 06, 2024

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

Sample Information

Matrix: TEDLAR BAG
Location Code: PREFRDNY
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

01/25/24
01/26/24

Time

10:10
16:35

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

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
<u>QA/QC Surrogates/Internals</u>										
% 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	

Client ID: INFLUENT

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

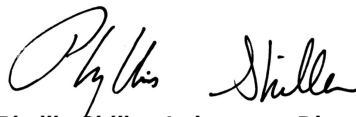
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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



Analysis Report

February 06, 2024

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

Sample Information

Matrix: TEDLAR BAG
Location Code: PREFRDNY
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

01/25/24
01/26/24

Time

10:13
16:35

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

Client ID: EFFLUENT

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
<u>QA/QC Surrogates/Internals</u>										
% 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	

Client ID: EFFLUENT

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

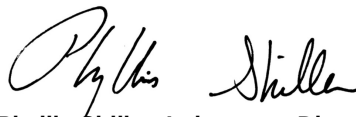
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

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

[illegible]

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 identification 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.

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

[illegible]

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 identification 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



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

QA/QC Data

SDG I.D.: GCP96008

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%.



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



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

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



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
Tel. (860) 645-1102 Fax (860) 645-0823



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



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



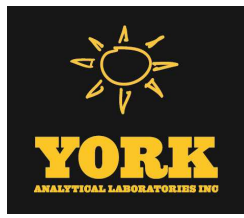
NY Temperature Narration

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)

[illegible]



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
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
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.

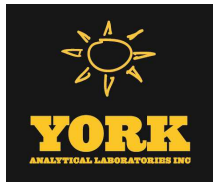
Approved By:



Cassie L. Mosher
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

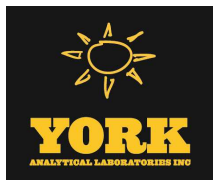
Volatile Organics, 8260 - Low Comprehensive

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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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



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

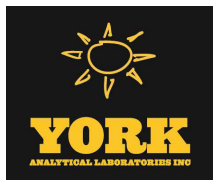
Volatile Organics, 8260 - Low Comprehensive

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 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 17:52	BMT
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 17:52	BMT
78-93-3	2-Butanone	1.30		ug/L	0.421	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 17:52	BMT
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 17:52	BMT
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 17:52	BMT
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 17:52	BMT
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 17:52	BMT
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 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 17:52	BMT
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 17:52	BMT
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 17:52	BMT
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 17:52	BMT
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 17:52	BMT
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 17:52	BMT
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 17:52	BMT
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 17:52	BMT
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 17:52	BMT
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 17:52	BMT
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 17:52	BMT
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 17:52	BMT
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 17:52	BMT
67-66-3	Chloroform	0.590		ug/L	0.243	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 17:52	BMT
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 17:52	BMT
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	06/26/2024 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	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

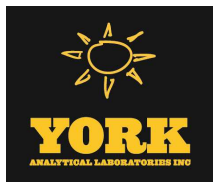
Volatile Organics, 8260 - Low Comprehensive

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
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 17:52	BMT
110-82-7	Cyclohexane	1.40		ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 17:52	BMT
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 17:52	BMT
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 17:52	BMT
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 17:52	BMT
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 17:52	BMT
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 17:52	BMT
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	06/26/2024 08:00	06/26/2024 17:52	BMT
87-68-3	Hexachlorobutadiene	ND	CCVE	ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 17:52	BMT
74-88-4	* Iodomethane	ND	CCVE	ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	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: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 17:52	BMT
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 17:52	BMT
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	06/26/2024 08:00	06/26/2024 17:52	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 17:52	BMT
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 17:52	BMT
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 17:52	BMT
91-20-3	Naphthalene	0.290	B	ug/L	0.212	2.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 17:52	BMT
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 17:52	BMT
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 17:52	BMT
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-68-	06/26/2024 08:00	06/26/2024 17:52	BMT
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	06/26/2024 08:00	06/26/2024 17:52	BMT
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-	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: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-	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

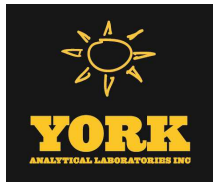
Volatile Organics, 8260 - Low Comprehensive

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

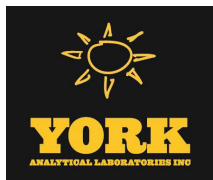
Volatile Organics, 8260 - Low Comprehensive

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: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.66	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.56	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	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: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.49	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
75-34-3	1,1-Dichloroethane	ND		ug/L	2.72	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
75-35-4	1,1-Dichloroethylene	ND		ug/L	3.27	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
563-58-6	1,1-Dichloropropylene	ND		ug/L	3.14	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	06/26/2024 08:00	06/26/2024 16:33	BMT
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.22	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:33	BMT
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.73	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:33	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: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:33	BMT
95-63-6	1,2,4-Trimethylbenzene	522		ug/L	3.10	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	4.32	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
106-93-4	1,2-Dibromoethane	ND		ug/L	2.15	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
107-06-2	1,2-Dichloroethane	ND		ug/L	3.77	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
78-87-5	1,2-Dichloropropane	ND		ug/L	3.27	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
108-67-8	1,3,5-Trimethylbenzene	37.0		ug/L	3.47	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.83	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
142-28-9	1,3-Dichloropropane	ND		ug/L	2.60	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:33	BMT
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.11	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
123-91-1	1,4-Dioxane	ND		ug/L	353	800	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:33	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

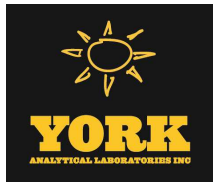
Volatile Organics, 8260 - Low Comprehensive

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: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:33	BMT
78-93-3	2-Butanone	ND		ug/L	4.21	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
95-49-8	2-Chlorotoluene	ND		ug/L	3.76	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
591-78-6	2-Hexanone	ND		ug/L	3.20	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
106-43-4	4-Chlorotoluene	ND		ug/L	3.11	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
108-10-1	4-Methyl-2-pentanone	ND		ug/L	3.65	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
67-64-1	Acetone	22.2	CAL-E, CCVE, ICVE	ug/L	13.4	20.0	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
107-02-8	Acrolein	ND	CCVE	ug/L	4.47	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
107-13-1	Acrylonitrile	ND		ug/L	4.22	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
71-43-2	Benzene	ND		ug/L	2.79	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
108-86-1	Bromobenzene	ND		ug/L	3.67	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:33	BMT
74-97-5	Bromochloromethane	ND		ug/L	3.54	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:33	BMT
75-27-4	Bromodichloromethane	ND		ug/L	2.45	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
75-25-2	Bromoform	ND		ug/L	1.63	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
74-83-9	Bromomethane	ND	CCVE	ug/L	1.19	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
75-15-0	Carbon disulfide	ND		ug/L	3.62	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
56-23-5	Carbon tetrachloride	ND		ug/L	2.04	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
108-90-7	Chlorobenzene	ND		ug/L	2.84	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
75-00-3	Chloroethane	ND		ug/L	4.48	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
67-66-3	Chloroform	ND		ug/L	2.43	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
74-87-3	Chloromethane	ND		ug/L	3.72	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
156-59-2	cis-1,2-Dichloroethylene	14.5		ug/L	2.94	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.62	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	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

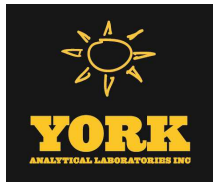
Volatile Organics, 8260 - Low Comprehensive

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
110-82-7	Cyclohexane	25.2		ug/L	4.91	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:33	BMT
124-48-1	Dibromochloromethane	ND		ug/L	1.46	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
74-95-3	Dibromomethane	ND		ug/L	2.03	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:33	BMT
75-71-8	Dichlorodifluoromethane	ND		ug/L	4.51	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:33	BMT
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	4.66	8.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:33	BMT
100-41-4	Ethyl Benzene	442		ug/L	2.90	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	4.79	8.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	06/26/2024 08:00	06/26/2024 16:33	BMT
87-68-3	Hexachlorobutadiene	ND	CCVE	ug/L	2.41	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:33	BMT
74-88-4	* Iodomethane	ND	CCVE	ug/L	4.77	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT
98-82-8	Isopropylbenzene	60.2		ug/L	4.05	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
79-20-9	Methyl acetate	ND		ug/L	4.42	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:33	BMT
80-62-6	Methyl Methacrylate	20.2		ug/L	4.15	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	06/26/2024 08:00	06/26/2024 16:33	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.44	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
108-87-2	Methylcyclohexane	9.40		ug/L	4.77	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:33	BMT
75-09-2	Methylene chloride	ND		ug/L	3.97	20.0	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
91-20-3	Naphthalene	86.2	B	ug/L	2.12	20.0	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:33	BMT
104-51-8	n-Butylbenzene	4.40		ug/L	3.99	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
103-65-1	n-Propylbenzene	117		ug/L	3.84	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
95-47-6	o-Xylene	ND		ug/L	2.61	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-68-	06/26/2024 08:00	06/26/2024 16:33	BMT
179601-23-1	p- & m- Xylenes	284		ug/L	5.78	10.0	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-68-	06/26/2024 08:00	06/26/2024 16:33	BMT
105-05-5	* p-Diethylbenzene	20.4		ug/L	3.41	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT
622-96-8	* p-Ethyltoluene	83.8		ug/L	2.00	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT
99-87-6	p-Isopropyltoluene	ND		ug/L	3.77	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	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

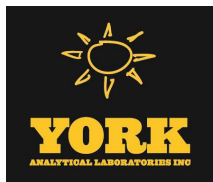
Volatile Organics, 8260 - Low Comprehensive

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
135-98-8	sec-Butylbenzene	6.40		ug/L	4.44	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
100-42-5	Styrene	ND		ug/L	2.55	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	41.6	80.0	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:33	BMT
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	5.11	8.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:33	BMT
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	6.08	10.0	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:33	BMT
98-06-6	tert-Butylbenzene	ND		ug/L	3.67	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	2.39	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
109-99-9	* Tetrahydrofuran	ND	CCVE	ug/L	4.85	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:33	BMT
108-88-3	Toluene	8.10		ug/L	3.46	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.79	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.29	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.83	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
79-01-6	Trichloroethylene	ND		ug/L	2.49	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
75-69-4	Trichlorofluoromethane	ND		ug/L	3.37	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
108-05-4	Vinyl acetate	ND	CCVE	ug/L	4.77	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:33	BMT
75-01-4	Vinyl Chloride	ND		ug/L	4.69	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
1330-20-7	Xylenes, Total	284		ug/L	8.39	15.0	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:33	BMT
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

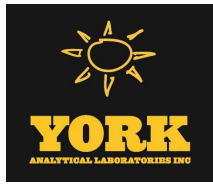
Volatile Organics, 8260 - Low Comprehensive

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	BMT
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
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	BMT
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
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	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	2.86	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59	BMT
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
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	BMT
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
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	BMT
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
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	BMT
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
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	BMT
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005			
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	BMT
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
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	BMT
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
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	BMT
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
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	BMT
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
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	BMT
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
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	BMT
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
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	BMT
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
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	BMT
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
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	BMT
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
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	BMT
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
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	BMT
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
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	BMT
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
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	BMT
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
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	BMT
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			



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

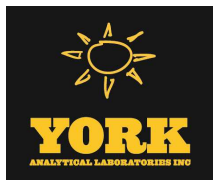
Volatile Organics, 8260 - Low Comprehensive

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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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

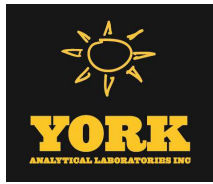
Volatile Organics, 8260 - Low Comprehensive

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 Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:59	BMT
124-48-1	Dibromochloromethane	ND		ug/L	1.46	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:59	BMT
74-95-3	Dibromomethane	ND		ug/L	2.03	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:59	BMT
75-71-8	Dichlorodifluoromethane	ND		ug/L	4.51	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:59	BMT
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	4.66	8.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:59	BMT
100-41-4	Ethyl Benzene	267		ug/L	2.90	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:59	BMT
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	4.79	8.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	06/26/2024 08:00	06/26/2024 16:59	BMT
87-68-3	Hexachlorobutadiene	ND	CCVE	ug/L	2.41	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:59	BMT
74-88-4	* Iodomethane	ND	CCVE	ug/L	4.77	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59	BMT
98-82-8	Isopropylbenzene	38.8		ug/L	4.05	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:59	BMT
79-20-9	Methyl acetate	ND		ug/L	4.42	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:59	BMT
80-62-6	Methyl Methacrylate	ND		ug/L	4.15	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	06/26/2024 08:00	06/26/2024 16:59	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.44	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:59	BMT
108-87-2	Methylcyclohexane	5.40		ug/L	4.77	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:59	BMT
75-09-2	Methylene chloride	ND		ug/L	3.97	20.0	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:59	BMT
91-20-3	Naphthalene	53.8	B	ug/L	2.12	20.0	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:59	BMT
104-51-8	n-Butylbenzene	ND		ug/L	3.99	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:59	BMT
103-65-1	n-Propylbenzene	72.1		ug/L	3.84	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:59	BMT
95-47-6	o-Xylene	ND		ug/L	2.61	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	06/26/2024 08:00	06/26/2024 16:59	BMT
179601-23-1	p- & m- Xylenes	165		ug/L	5.78	10.0	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	06/26/2024 08:00	06/26/2024 16:59	BMT
105-05-5	* p-Diethylbenzene	12.5		ug/L	3.41	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59	BMT
622-96-8	* p-Ethyltoluene	51.2		ug/L	2.00	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59	BMT
99-87-6	p-Isopropyltoluene	ND		ug/L	3.77	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:59	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

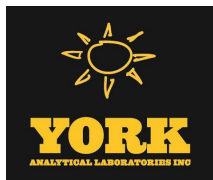
Volatile Organics, 8260 - Low Comprehensive

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
135-98-8	sec-Butylbenzene	4.80		ug/L	4.44	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:59	BMT
100-42-5	Styrene	ND		ug/L	2.55	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:59	BMT
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	41.6	80.0	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:59	BMT
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	5.11	8.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:59	BMT
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	6.08	10.0	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:59	BMT
98-06-6	tert-Butylbenzene	ND		ug/L	3.67	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:59	BMT
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	2.39	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:59	BMT
109-99-9	* Tetrahydrofuran	ND	CCVE	ug/L	4.85	5.00	10	EPA 8260D Certifications:	06/26/2024 08:00	06/26/2024 16:59	BMT
108-88-3	Toluene	4.80		ug/L	3.46	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:59	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.79	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:59	BMT
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.29	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:59	BMT
110-57-6	trans-1,4-dichloro-2-butene	3.00		ug/L	2.83	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:59	BMT
79-01-6	Trichloroethylene	2.50		ug/L	2.49	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:59	BMT
75-69-4	Trichlorofluoromethane	ND		ug/L	3.37	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:59	BMT
108-05-4	Vinyl acetate	ND	CCVE	ug/L	4.77	5.00	10	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/26/2024 08:00	06/26/2024 16:59	BMT
75-01-4	Vinyl Chloride	ND		ug/L	4.69	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:59	BMT
1330-20-7	Xylenes, Total	165		ug/L	8.39	15.0	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/26/2024 08:00	06/26/2024 16:59	BMT
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								



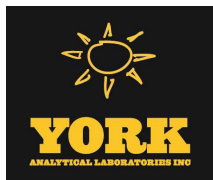
Analytical Batch Summary

Batch ID: BF41760

Preparation Method: EPA 5030B

Prepared By: FO

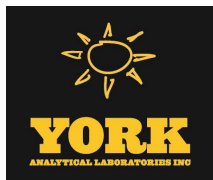
YORK Sample ID	Client Sample ID	Preparation Date
24F1678-01	MW-1403	06/26/24
24F1678-02	MW-1402	06/26/24
24F1678-03	MW-00X	06/26/24
BF41760-BLK1	Blank	06/26/24
BF41760-BS1	LCS	06/26/24
BF41760-BSD1	LCS Dup	06/26/24
BF41760-MS1	Matrix Spike	06/26/24
BF41760-MSD1	Matrix Spike Dup	06/26/24



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

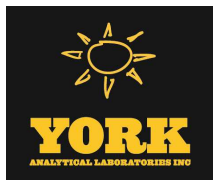
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BF41760 - EPA 5030B

Blank (BF41760-BLK1)

Prepared & Analyzed: 06/26/2024

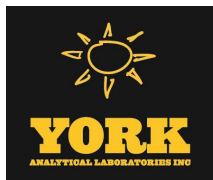
Dichlorodifluoromethane	ND	0.500	ug/L								
Diisopropyl ether (DIPE)	ND	0.800	"								
Ethyl Benzene	ND	0.500	"								
Ethyl tert-butyl ether (ETBE)	ND	0.800	"								
Hexachlorobutadiene	ND	0.500	"								
Iodomethane	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
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

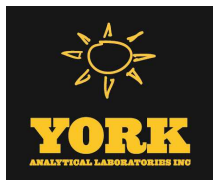
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BF41760 - EPA 5030B

LCS (BF41760-BS1)

Prepared & Analyzed: 06/26/2024

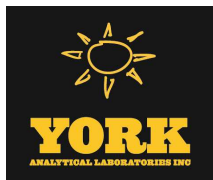
Diisopropyl ether (DIPE)	9.88		ug/L	10.0		98.8	70-130				
Ethyl Benzene	9.66		"	10.0		96.6	80-131				
Ethyl tert-butyl ether (ETBE)	9.85		"	10.0		98.5	70-130				
Hexachlorobutadiene	8.46		"	10.0		84.6	67-146				
Iodomethane	8.50		"	10.0		85.0	70-130				
Isopropylbenzene	9.20		"	10.0		92.0	76-140				
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				
Methyleyclohexane	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

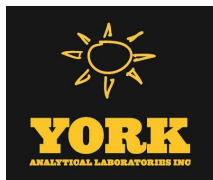
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BF41760 - EPA 5030B											
LCS Dup (BF41760-BSD1)						Prepared & Analyzed: 06/26/2024					
1,1,1,2-Tetrachloroethane	9.98		ug/L	10.0		99.8	82-126		6.41	30	
1,1,1-Trichloroethane	11.2		"	10.0		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

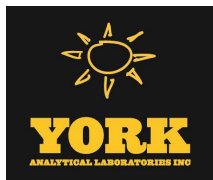
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF41760 - EPA 5030B											
LCS Dup (BF41760-BSD1)						Prepared & Analyzed: 06/26/2024					
Diisopropyl ether (DIPE)	11.0		ug/L	10.0		110	70-130		11.1	30	
Ethyl Benzene	10.1		"	10.0		101	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	
Methyleyclohexane	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			



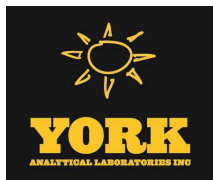
Volatile Organic Compounds by GC/MS - Quality Control Data

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

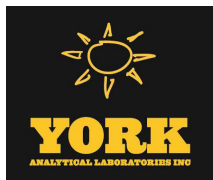
Matrix Spike (BF41760-MS1)		*Source sample: 24F1678-01 (MW-1403)					Prepared & Analyzed: 06/26/2024				
Diisopropyl ether (DIPE)	12.5		ug/L	10.0	0.00	125	70-130				
Ethyl Benzene	12.8		"	10.0	0.00	128	72-128				
Ethyl tert-butyl ether (ETBE)	12.2		"	10.0	0.00	122	70-130				
Hexachlorobutadiene	9.91		"	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				
Methyleyclohexane	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	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	



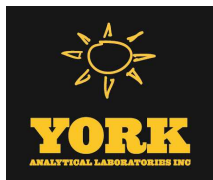
Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	-----------------	-------	-------------	----------------	------	-------------	------	-----	-----------	------

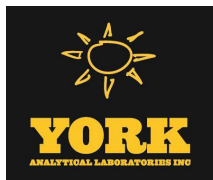
Batch BF41760 - EPA 5030B

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	
Methyleyclohexane	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.

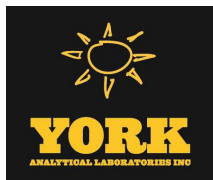
Definitions and Other Explanations

*	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.

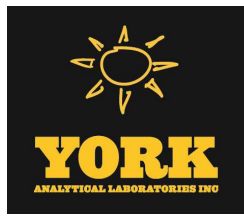
2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.



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.



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

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
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

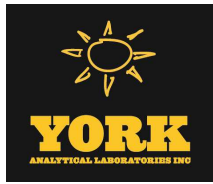
1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
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
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

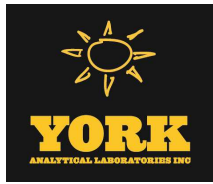
Volatile Organics, 8260 - Low Comprehensive

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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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



Sample Information

Client Sample ID: MW-1402

York Sample ID: 24I1449-01

York Project (SDG) No.

24I1449

Client Project ID

41.0163281.00

Matrix

Ground Water

Collection Date/Time

September 24, 2024 1:00 pm

Date Received

09/24/2024

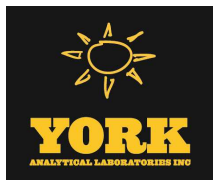
Volatile Organics, 8260 - Low Comprehensive

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 Certifications:	09/26/2024 02:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/27/2024 04:05	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/27/2024 04:05	FO
78-93-3	2-Butanone	1.65		ug/L	0.421	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 04:05	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 04:05	FO
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 04:05	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 04:05	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 04:05	FO
67-64-1	Acetone	3.85	ICVE, QL-02	ug/L	1.34	2.00	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 04:05	FO
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 04:05	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 04:05	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 04:05	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/27/2024 04:05	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/27/2024 04:05	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 04:05	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 04:05	FO
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 04:05	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 04:05	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 04:05	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 04:05	FO
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 04:05	FO
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 04:05	FO
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 04:05	FO
156-59-2	cis-1,2-Dichloroethylene	2.41		ug/L	0.294	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 04:05	FO



Sample Information

Client Sample ID: MW-1402

York Sample ID: 24I1449-01

York Project (SDG) No.
24I1449

Client Project ID
41.0163281.00

Matrix
Ground Water

Collection Date/Time
September 24, 2024 1:00 pm

Date Received
09/24/2024

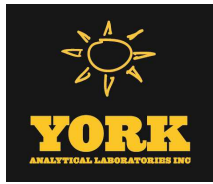
Volatile Organics, 8260 - Low Comprehensive

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: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 04:05	FO
110-82-7	Cyclohexane	9.91		ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 04:05	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 04:05	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 04:05	FO
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 04:05	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 04:05	FO
100-41-4	Ethyl Benzene	60.0		ug/L	2.90	5.00	10	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	09/27/2024 02:00	09/28/2024 00:53	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	09/26/2024 02:00	09/27/2024 04:05	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 04:05	FO
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: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	09/26/2024 02:00	09/27/2024 04:05	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 04:05	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	09/26/2024 02:00	09/27/2024 04:05	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 04:05	FO
108-87-2	Methylcyclohexane	3.44		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 04:05	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 04:05	FO
91-20-3	Naphthalene	21.5		ug/L	0.212	2.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 04:05	FO
104-51-8	n-Butylbenzene	2.13		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	09/26/2024 02:00	09/27/2024 04:05	FO
103-65-1	n-Propylbenzene	45.8		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	09/26/2024 02:00	09/27/2024 04:05	FO
95-47-6	o-Xylene	0.290		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	09/26/2024 02:00	09/27/2024 04:05	FO
179601-23-1	p- & m- Xylenes	56.4		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	09/26/2024 02:00	09/27/2024 04:05	FO
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	

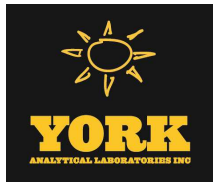
Volatile Organics, 8260 - Low Comprehensive

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	09/26/2024 02:00	09/27/2024 04:05	FO
135-98-8	sec-Butylbenzene	2.82		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	09/26/2024 02:00	09/27/2024 04:05	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 04:05	FO
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 04:05	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 04:05	FO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 04:05	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 04:05	FO
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 04:05	FO
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 04:05	FO
108-88-3	Toluene	1.33		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	09/26/2024 02:00	09/27/2024 04:05	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 04:05	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 04:05	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 04:05	FO
79-01-6	Trichloroethylene	0.860		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	09/26/2024 02:00	09/27/2024 04:05	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 04:05	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 04:05	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 04:05	FO
1330-20-7	Xylenes, Total	56.7		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	09/26/2024 02:00	09/27/2024 04:05	FO
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.

24I1449

Client Project ID

41.0163281.00

Matrix

Ground Water

Collection Date/Time

September 24, 2024 1:55 pm

Date Received

09/24/2024

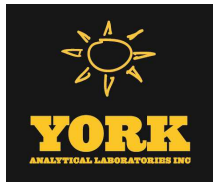
Volatile Organics, 8260 - Low Comprehensive

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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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



Sample Information

Client Sample ID: MW-1403

York Sample ID: 24I1449-02

York Project (SDG) No.

24I1449

Client Project ID

41.0163281.00

Matrix

Ground Water

Collection Date/Time

September 24, 2024 1:55 pm

Date Received

09/24/2024

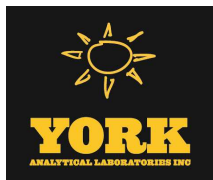
Volatile Organics, 8260 - Low Comprehensive

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 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/27/2024 03:09	FO
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:09	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:09	FO
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:09	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:09	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:09	FO
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:09	FO
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:09	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:09	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:09	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/27/2024 03:09	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/27/2024 03:09	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:09	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:09	FO
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:09	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:09	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:09	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:09	FO
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:09	FO
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:09	FO
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:09	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:09	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:09	FO



Sample Information

Client Sample ID: MW-1403

York Sample ID: 24I1449-02

York Project (SDG) No.
24I1449

Client Project ID
41.0163281.00

Matrix
Ground Water

Collection Date/Time
September 24, 2024 1:55 pm

Date Received
09/24/2024

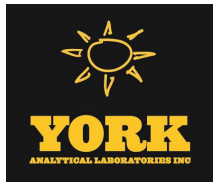
Volatile Organics, 8260 - Low Comprehensive

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 Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:09	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:09	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	09/26/2024 02:00	09/27/2024 03:09	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
74-88-4	* Iodomethane	ND	ICVE	ug/L	0.477	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:09	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	09/26/2024 02:00	09/27/2024 03:09	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:09	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:09	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:09	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:09	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-68-	09/26/2024 02:00	09/27/2024 03:09	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	09/26/2024 02:00	09/27/2024 03:09	FO
105-05-5	* p-Diethylbenzene	ND	QL-02	ug/L	0.341	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:09	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:09	FO



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	

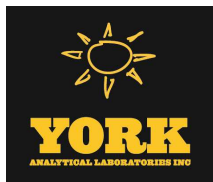
Volatile Organics, 8260 - Low Comprehensive

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
127-18-4	Tetrachloroethylene	0.360	ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
79-01-6	Trichloroethylene	0.910		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:09	FO
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.

24I1449

Client Project ID

41.0163281.00

Matrix

Ground Water

Collection Date/Time

September 24, 2024 2:00 pm

Date Received

09/24/2024

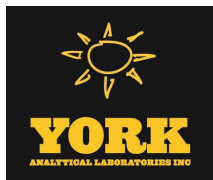
Volatile Organics, 8260 - Low Comprehensive

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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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



Sample Information

Client Sample ID: 9.24.2024_Duplicate

York Sample ID: 24I1449-03

York Project (SDG) No.
24I1449

Client Project ID
41.0163281.00

Matrix
Ground Water

Collection Date/Time
September 24, 2024 2:00 pm

Date Received
09/24/2024

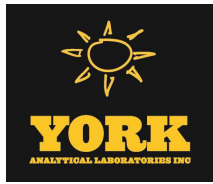
Volatile Organics, 8260 - Low Comprehensive

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 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/27/2024 03:37	FO
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:37	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:37	FO
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:37	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:37	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:37	FO
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:37	FO
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:37	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:37	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:37	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/27/2024 03:37	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/27/2024 03:37	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:37	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:37	FO
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:37	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:37	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:37	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:37	FO
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:37	FO
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:37	FO
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:37	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:37	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/27/2024 03:37	FO



Sample Information

Client Sample ID: 9.24.2024_Duplicate

York Sample ID: 24I1449-03

York Project (SDG) No.

24I1449

Client Project ID

41.0163281.00

Matrix

Ground Water

Collection Date/Time

September 24, 2024 2:00 pm

Date Received

09/24/2024

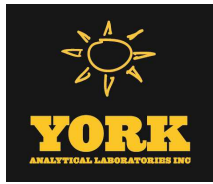
Volatile Organics, 8260 - Low Comprehensive

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 Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:37	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:37	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:37	FO
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:37	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:37	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:37	FO
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	09/26/2024 02:00	09/27/2024 03:37	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:37	FO
74-88-4	* Iodomethane	ND	ICVE	ug/L	0.477	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:37	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:37	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	09/26/2024 02:00	09/27/2024 03:37	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:37	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:37	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:37	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:37	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:37	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:37	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-68-	09/26/2024 02:00	09/27/2024 03:37	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	09/26/2024 02:00	09/27/2024 03:37	FO
105-05-5	* p-Diethylbenzene	ND	QL-02	ug/L	0.341	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:37	FO



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	

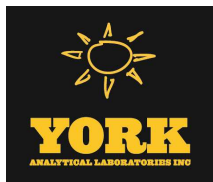
Volatile Organics, 8260 - Low Comprehensive

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:37	FO
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:37	FO
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:37	FO
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:37	FO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:37	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:37	FO
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:37	FO
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00	09/27/2024 03:37	FO
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:37	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:37	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:37	FO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:37	FO
79-01-6	Trichloroethylene	0.770		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:37	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:37	FO
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 02:00	09/27/2024 03:37	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:37	FO
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 02:00	09/27/2024 03:37	FO
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.

24I1449

Client Project ID

41.0163281.00

Matrix

Ground Water

Collection Date/Time

September 24, 2024 1:55 pm

Date Received

09/24/2024

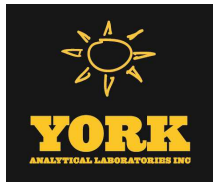
Volatile Organics, 8260 - Low Comprehensive

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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	FO



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24I1449-04

York Project (SDG) No.

24I1449

Client Project ID

41.0163281.00

Matrix

Ground Water

Collection Date/Time

September 24, 2024 1:55 pm

Date Received

09/24/2024

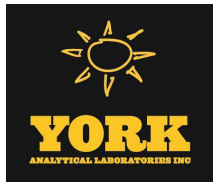
Volatile Organics, 8260 - Low Comprehensive

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 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 21:58	FO
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 21:58	FO
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 21:58	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
74-87-3	Chloromethane	1.51		ug/L	0.372	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24I1449-04

York Project (SDG) No.

24I1449

Client Project ID

41.0163281.00

Matrix

Ground Water

Collection Date/Time

September 24, 2024 1:55 pm

Date Received

09/24/2024

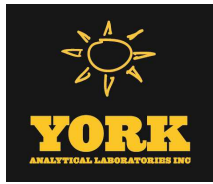
Volatile Organics, 8260 - Low Comprehensive

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 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 21:58	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 21:58	FO
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 21:58	FO
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications:	09/26/2024 02:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 21:58	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	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 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	09/26/2024 21:58	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 21:58	FO
74-88-4	* Iodomethane	ND	ICVE	ug/L	0.477	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	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 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 21:58	FO
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	09/26/2024 21:58	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 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 21:58	FO
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications:	09/26/2024 02:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	09/26/2024 21:58	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	FO
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	09/26/2024 21:58	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	09/26/2024 02:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	09/26/2024 21:58	FO
105-05-5	* p-Diethylbenzene	ND	QL-02	ug/L	0.341	0.500	1	EPA 8260D Certifications:	09/26/2024 02:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-	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 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-	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 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	09/26/2024 21:58	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

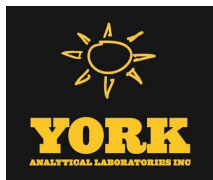
Volatile Organics, 8260 - Low Comprehensive

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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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

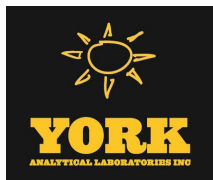
YORK Sample ID	Client Sample ID	Preparation Date
24I1449-01	MW-1402	09/26/24
24I1449-02	MW-1403	09/26/24
24I1449-03	9.24.2024_Duplicate	09/26/24
24I1449-04	Trip Blank	09/26/24
BI41686-BLK1	Blank	09/26/24
BI41686-BS1	LCS	09/26/24
BI41686-BSD1	LCS Dup	09/26/24
BI41686-MS1	Matrix Spike	09/26/24
BI41686-MSD1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

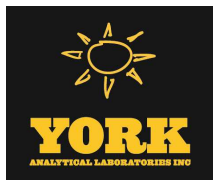
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

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

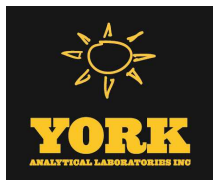
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BI41686 - EPA 5030B

Blank (BI41686-BLK1)

Prepared & Analyzed: 09/26/2024

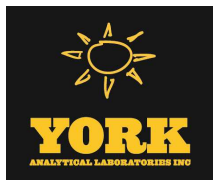
Dichlorodifluoromethane	ND	0.500	ug/L								
Diisopropyl ether (DIPE)	ND	0.800	"								
Ethyl Benzene	ND	0.500	"								
Ethyl tert-butyl ether (ETBE)	ND	0.800	"								
Hexachlorobutadiene	ND	0.500	"								
Iodomethane	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
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

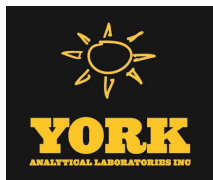
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BI41686 - EPA 5030B

LCS (BI41686-BS1)

Prepared & Analyzed: 09/26/2024

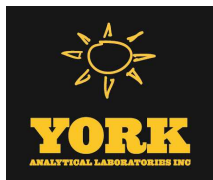
Diisopropyl ether (DIPE)	9.48		ug/L	10.0		94.8	70-130				
Ethyl Benzene	9.34		"	10.0		93.4	80-131				
Ethyl tert-butyl ether (ETBE)	9.43		"	10.0		94.3	70-130				
Hexachlorobutadiene	8.36		"	10.0		83.6	67-146				
Iodomethane	8.67		"	10.0		86.7	70-130				
Isopropylbenzene	9.02		"	10.0		90.2	76-140				
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-BS01)						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

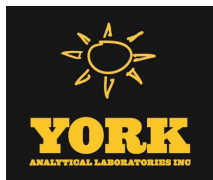
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BI41686 - EPA 5030B

LCS Dup (BI41686-BS1)

Prepared & Analyzed: 09/26/2024

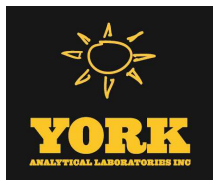
Diisopropyl ether (DIPE)	9.32		ug/L	10.0		93.2	70-130		1.70	30
Ethyl Benzene	9.11		"	10.0		91.1	80-131		2.49	30
Ethyl tert-butyl ether (ETBE)	9.22		"	10.0		92.2	70-130		2.25	30
Hexachlorobutadiene	8.26		"	10.0		82.6	67-146		1.20	30
Iodomethane	7.60		"	10.0		76.0	70-130		13.2	30
Isopropylbenzene	8.76		"	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
Methyleyclohexane	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				



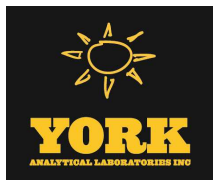
Volatile Organic Compounds by GC/MS - Quality Control Data

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

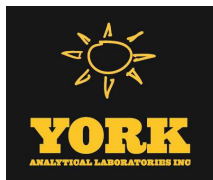
Matrix Spike (BI41686-MS1)		*Source sample: 24I1449-01 (MW-1402)					Prepared: 09/26/2024 Analyzed: 09/27/2024				
Diisopropyl ether (DIPE)	10.9		ug/L	10.0	0.00	109	70-130				
Ethyl Benzene	68.7		"	10.0	97.9	NR	72-128	Low Bias			
Ethyl tert-butyl ether (ETBE)	10.6		"	10.0	0.00	106	70-130				
Hexachlorobutadiene	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				
Methyleyclohexane	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	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	



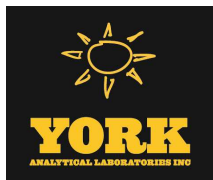
Volatile Organic Compounds by GC/MS - Quality Control Data

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

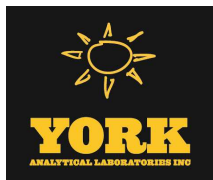
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BI41780 - EPA 5030B

Blank (BI41780-BLK1)

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

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	"
Dichlorodifluoromethane	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
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

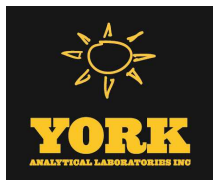
Batch BI41780 - EPA 5030B

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	"
Methyleyclohexane	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	"

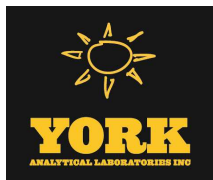
Surrogate: SURR: 1,2-Dichloroethane-d4	10.0	"	10.0	100	69-130
Surrogate: SURR: Toluene-d8	9.73	"	10.0	97.3	81-117
Surrogate: SURR: p-Bromofluorobenzene	9.99	"	10.0	99.9	79-122



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

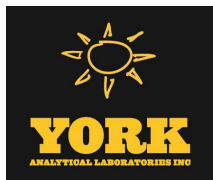
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BI41780 - EPA 5030B

LCS (BI41780-BS1)

Prepared & Analyzed: 09/27/2024

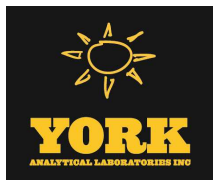
Diisopropyl ether (DIPE)	9.18		ug/L	10.0		91.8	70-130				
Ethyl Benzene	8.49		"	10.0		84.9	80-131				
Ethyl tert-butyl ether (ETBE)	8.98		"	10.0		89.8	70-130				
Hexachlorobutadiene	7.22		"	10.0		72.2	67-146				
Iodomethane	10.7		"	10.0		107	70-130				
Isopropylbenzene	7.99		"	10.0		79.9	76-140				
Methyl 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				
Methyleyclohexane	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

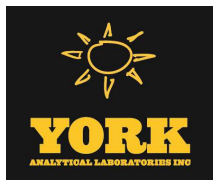
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BI41780 - EPA 5030B

LCS Dup (BI41780-BSD1)

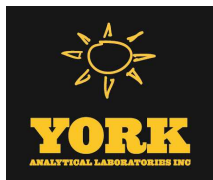
Prepared & Analyzed: 09/27/2024

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
Methyleyclohexane	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

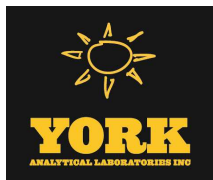
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration 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.

APPENDIX C – LABORATORY REPORTS: SVE



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,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

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



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



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



Analysis Report

February 06, 2024

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

Sample Information

Matrix: GROUND WATER
Location Code: PREFRDNY
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

01/25/24
01/26/24

Time

9:52
16:35

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
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

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
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
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 %

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
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

B

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 (preceded 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



Analysis Report

February 06, 2024

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

Sample Information

Matrix: GROUND WATER
Location Code: PREFRDNY
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

01/25/24 9:09
01/26/24 16:35

Time

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
<u>Volatiles</u>								
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
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

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
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
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 %

B

1

Parameter	Result	ppbv RL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	102			%	1	01/27/24	MH	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	100	50	ug/l	1	01/27/24	MH	SW8260D
<u>Volatiles</u>								
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
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

B

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
<u>QA/QC Surrogates</u>								
% 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



Analysis Report

February 06, 2024

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

Sample Information

Matrix: TEDLAR BAG
Location Code: PREFRDNY
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

01/25/24
01/26/24

Time

10:10
16:35

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

Client ID: INFLUENT

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
<u>QA/QC Surrogates/Internals</u>										
% 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	

Client ID: INFLUENT

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

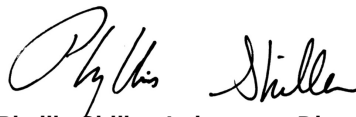
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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



Analysis Report

February 06, 2024

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

Sample Information

Matrix: TEDLAR BAG
Location Code: PREFRDNY
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

01/25/24
01/26/24

Time

10:13
16:35

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

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
<u>QA/QC Surrogates/Internals</u>										
% 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	

Client ID: EFFLUENT

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

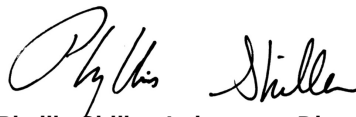
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

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

[illegible]

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 identification 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.

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

[illegible]

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 identification 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



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

QA/QC Data

SDG I.D.: GCP96008

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%.



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



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

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



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
Tel. (860) 645-1102 Fax (860) 645-0823



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



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



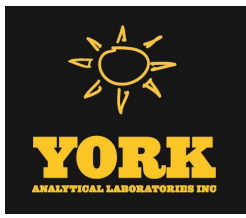
NY Temperature Narration

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)

[illegible]



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
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
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.

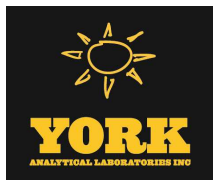
Approved By:



Cassie L. Mosher
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

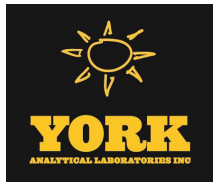
Volatile Organics, EPA TO15 Full List

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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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

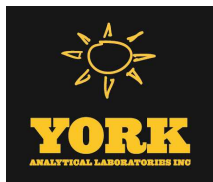
Volatile Organics, EPA TO15 Full List

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/m ³	0.29	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
591-78-6	* 2-Hexanone	ND		ug/m ³	0.82	1	EPA TO-15 Certifications:	06/27/2024 12:00	06/27/2024 22:32	YR
107-05-1	3-Chloropropene	ND		ug/m ³	1.6	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
108-10-1	4-Methyl-2-pentanone	2.5		ug/m ³	0.41	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
67-64-1	Acetone	20		ug/m ³	0.48	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
107-13-1	Acrylonitrile	ND		ug/m ³	0.22	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
71-43-2	Benzene	0.38		ug/m ³	0.32	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.52	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	0.67	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
75-25-2	Bromoform	ND		ug/m ³	1.0	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
74-83-9	Bromomethane	ND		ug/m ³	0.39	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
75-15-0	Carbon disulfide	4.5		ug/m ³	0.31	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
56-23-5	Carbon tetrachloride	0.38		ug/m ³	0.16	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
108-90-7	Chlorobenzene	ND		ug/m ³	0.46	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
75-00-3	Chloroethane	ND		ug/m ³	0.26	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
67-66-3	Chloroform	4.6		ug/m ³	0.49	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
74-87-3	Chloromethane	0.64		ug/m ³	0.21	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.099	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.45	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
110-82-7	Cyclohexane	ND		ug/m ³	0.34	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
124-48-1	Dibromochloromethane	ND		ug/m ³	0.85	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
75-71-8	Dichlorodifluoromethane	2.4		ug/m ³	0.49	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
141-78-6	* Ethyl acetate	36		ug/m ³	0.72	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

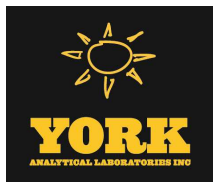
Volatile Organics, EPA TO15 Full List

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
100-41-4	Ethyl Benzene	ND		ug/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	0.17	1	EPA TO-15 Certifications:	06/27/2024 12:00	06/27/2024 22:32	YR
100-42-5	Styrene	ND		ug/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	0.44	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 22:32	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	0.13	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: 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

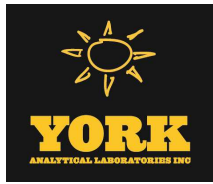
Volatile Organics, EPA TO15 Full List

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/m ³	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/m ³	2.7	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	3.4	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	25		ug/m ³	3.8	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	2.7	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
75-34-3	1,1-Dichloroethane	ND		ug/m ³	2.0	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.50	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
120-82-1	1,2,4-Trichlorobenzene	ND	CAL-E, ICVE, TO-LCS -L	ug/m ³	3.7	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	2.5	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	3.8	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	3.0	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
107-06-2	1,2-Dichloroethane	ND		ug/m ³	2.0	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	2.3	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

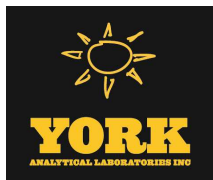
Volatile Organics, EPA TO15 Full List

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
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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

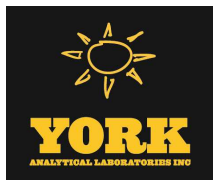
Volatile Organics, EPA TO15 Full List

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/m ³	2.4	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
74-87-3	Chloromethane	ND		ug/m ³	1.0	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
156-59-2	cis-1,2-Dichloroethylene	4.2		ug/m ³	0.50	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	2.3	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
110-82-7	Cyclohexane	ND		ug/m ³	1.7	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
124-48-1	Dibromochloromethane	ND		ug/m ³	4.3	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
75-71-8	Dichlorodifluoromethane	3.0		ug/m ³	2.5	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
141-78-6	* Ethyl acetate	34		ug/m ³	3.6	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
100-41-4	Ethyl Benzene	ND		ug/m ³	2.2	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
87-68-3	Hexachlorobutadiene	ND	ICVE, TO-LCS -L	ug/m ³	5.3	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
67-63-0	Isopropanol	6.3		ug/m ³	2.5	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
80-62-6	Methyl Methacrylate	ND		ug/m ³	2.0	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	1.8	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
75-09-2	Methylene chloride	ND		ug/m ³	3.5	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
91-20-3	* Naphthalene	ND	ICVE	ug/m ³	5.2	5	EPA TO-15 Certifications: NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
142-82-5	n-Heptane	ND		ug/m ³	2.0	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
110-54-3	n-Hexane	ND		ug/m ³	1.8	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
95-47-6	o-Xylene	ND		ug/m ³	2.2	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
179601-23-1	p- & m- Xylenes	ND		ug/m ³	4.3	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
622-96-8	* p-Ethyltoluene	ND		ug/m ³	2.5	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
115-07-1	* Propylene	2.2		ug/m ³	0.86	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
100-42-5	Styrene	ND		ug/m ³	2.1	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR
127-18-4	Tetrachloroethylene	ND		ug/m ³	3.4	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

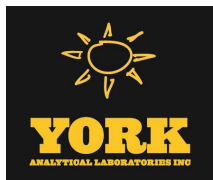
Volatile Organics, EPA TO15 Full List

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
109-99-9	* Tetrahydrofuran	ND		ug/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	0.64	5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/27/2024 12:00	06/27/2024 23:20	YR



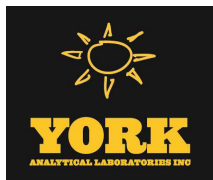
Analytical Batch Summary

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

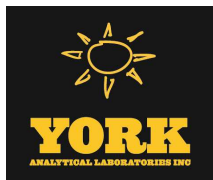
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BF41996 - EPA TO15 PREP

Blank (BF41996-BLK1)

Prepared & Analyzed: 06/27/2024

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³
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)

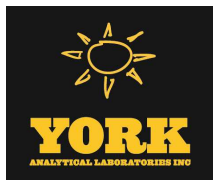
Prepared & Analyzed: 06/27/2024

Methylene chloride	ND	0.69	ug/m ³
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

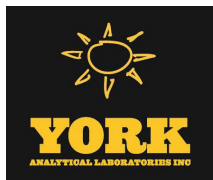
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

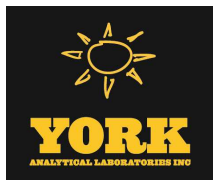
Batch BF41996 - EPA TO15 PREP

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.

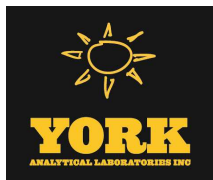
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For 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.





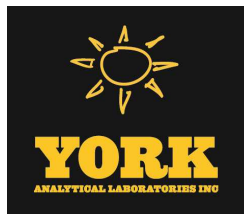
Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (YORK)'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

Report To:		Invoice To:		YOUR Project Name / Number		Samples Collected From		Turn-Around Time	
Company:	GLA GeoEnvironmental	Company:	GLA GeoEnvironmental	Project No.:	41-0163281-00	NY	CT	RUSH - Next Day	
Address:	104 W 29th Street, 10th Fl	Address:	104 W 29th Street, 10th Fl		1107 Detalb Avenue	NJ	PA	RUSH - Two Day	
Phone:	332-203-2260	Phone:	332-203-2260					RUSH - Three Day	
Contact:	Mark Hutson	Contact:	Mark Hutson					RUSH - Four Day	
E-mail:	mark.hutson@ga.com	E-mail:	mark.hutson@ga.com					RUSH - Five 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.		Matrix Codes		Preservative (please list number of containers)		Analyses Requested		Report Type (circle)	
S - soil/solid/sludge		Unpreserved		HCl (hydrochloric acid)				OA Report	
GW - groundwater		HNO ₃ (nitric acid)		MeOH (methanol)				Summary (Results Only)	
DW - drinking water		H ₂ SO ₄ (sulfuric acid)		NaOH (sodium hydroxide)				NY ASP B Package	
SW - surface water		Na ₂ S ₂ O ₃ (sodium thio.)		TriZma				NJ Reduced	
WW - wastewater		Ammonium Acetate		Other:				NJ DKQP	
O - Oil								NJ Full	
Other								CT RCP	
Samples Collected by: (print AND sign your name)		Date		Time		Matrix		EDD Type (circle)	
Yunmee Han		6/25/24		09:55		GW		EQUIS (standard)	
MW - 1403		↓		↓		↓		NY SDEC EQUIS	
MW - 1403 - MSD		6/25/24		11:22		GW		NJ DEP SRP Haz Site	
MW - 1403		6/25/24		11:22		GW		Standard Excel	
Intake		6/25/24		12:35		Air		CMDP	
Effluent		6/25/24		12:37		Air		Other:	

Comments:		Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N	
1. Samples Relinquished by / Company		Containers Intact: Y / N	
2. Samples Relinquished by / Company		COC Complete: Y / N	
3. Samples Relinquished by / Company		COC Received: Y / N	
4. Samples Relinquished by / Company		Appropriate Sample Volumes: Y / N	
5. Samples Relinquished by / Company		Appropriate Sample Containers: Y / N	
6. Samples Relinquished by / Company		Samples Submitted within Holding Times: Y / N	
7. Samples Relinquished by / Company		Cooler Temperature Confirmed: Y / N	
8. Samples Relinquished by / Company		Preservation Confirmed: Y / N	
9. Samples Relinquished by / Company		Corrective Action Form Required: Y / N	
10. Samples Relinquished by / Company		Field Filtered	
11. Samples Relinquished by / Company		Lab Filtered	
12. Samples Relinquished by / Company		Regulatory Comparative	
13. Samples Relinquished by / Company		Compared to the following Regulation(s): (please fill in)	
14. Samples Relinquished by / Company		Temperature	
15. Samples Relinquished by / Company		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
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
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.

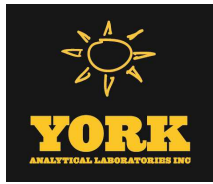
Approved By:



Cassie L. Mosher
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

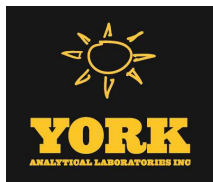
Volatile Organics, EPA TO15 Full List

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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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.
24I1450

Client Project ID
41.0163281.00

Matrix
Vapor Extraction

Collection Date/Time
September 24, 2024 2:30 pm

Date Received
09/24/2024

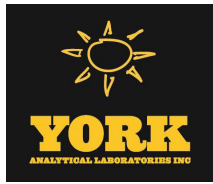
Volatile Organics, EPA TO15 Full List

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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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-CC V, TO-LCS -L	ug/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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.

24I1450

Client Project ID

41.0163281.00

Matrix

Vapor Extraction

Collection Date/Time

September 24, 2024 2:30 pm

Date Received

09/24/2024

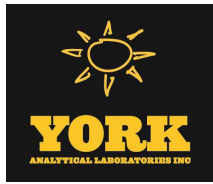
Volatile Organics, EPA TO15 Full List

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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	4.9	10	EPA TO-15 Certifications:	09/25/2024 10:00	09/25/2024 23:51	DRP
115-07-1	* Propylene	ND		ug/m ³	1.7	10	EPA TO-15 Certifications:	09/25/2024 10:00	09/25/2024 23:51	DRP
100-42-5	Styrene	ND		ug/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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.

24I1450

Client Project ID

41.0163281.00

Matrix

Vapor Extraction

Collection Date/Time

September 24, 2024 2:30 pm

Date Received

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/m ³	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.

24I1450

Client Project ID

41.0163281.00

Matrix

Vapor Extraction

Collection Date/Time

September 24, 2024 2:35 pm

Date Received

09/24/2024

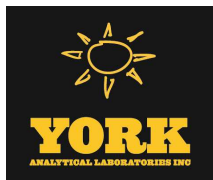
Volatile Organics, EPA TO15 Full List

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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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.
24I1450

Client Project ID
41.0163281.00

Matrix
Vapor Extraction

Collection Date/Time
September 24, 2024 2:35 pm

Date Received
09/24/2024

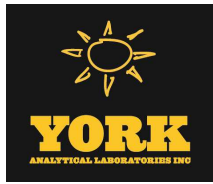
Volatile Organics, EPA TO15 Full List

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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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-CC V, TO-LCS -L	ug/m ³	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/m ³	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/m ³	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-CC V, TO-LCS -H	ug/m ³	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/m ³	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/m ³	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/m ³	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.

24I1450

Client Project ID

41.0163281.00

Matrix

Vapor Extraction

Collection Date/Time

September 24, 2024 2:35 pm

Date Received

09/24/2024

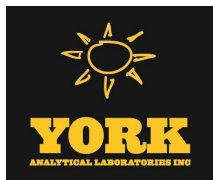
Volatile Organics, EPA TO15 Full List

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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	7.2	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
100-41-4	Ethyl Benzene	ND		ug/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	4.9	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
115-07-1	* Propylene	ND		ug/m ³	1.7	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP
100-42-5	Styrene	ND		ug/m ³	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/m ³	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/m ³	5.9	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.
24I1450

Client Project ID
41.0163281.00

Matrix
Vapor Extraction

Collection Date/Time
September 24, 2024 2:35 pm

Date Received
09/24/2024

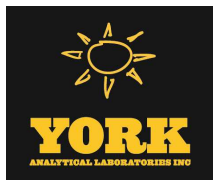
Volatile Organics, EPA TO15 Full List

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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	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/m ³	1.3	10	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	09/25/2024 10:00	09/26/2024 01:18	DRP



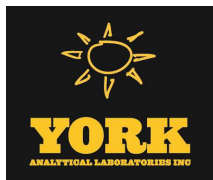
Analytical Batch Summary

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

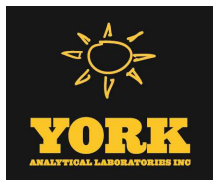
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BI41702 - EPA TO15 PREP

Blank (BI41702-BLK1)

Prepared & Analyzed: 09/25/2024

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³
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)

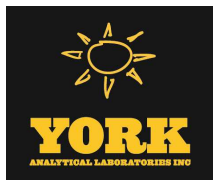
Prepared & Analyzed: 09/25/2024

Methylene chloride	ND	0.69	ug/m ³
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	High Bias
1,1,1-Trichloroethane	13.1	"	10.0	131	70-130	
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

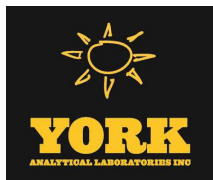
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

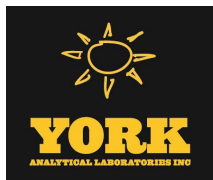
Batch BI41702 - EPA TO15 PREP

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).

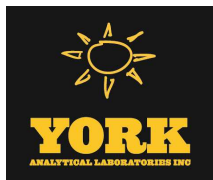
Definitions and Other Explanations

*	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.



clientservices@yorklab.com
www.yorklab.com

YORK Project No.
2411450

Your Page 1 of 1

Page 18 of 18

APPENDIX D – GROUNDWATER PURGE LOGS

WELL PURGE DATA SHEET

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:

$$\begin{aligned} T &= \text{Depth to Bottom (ft)} - \text{Static Water Level (ft)} \\ &= \underline{52.89} - \underline{43.1} \\ \text{Water Column (T)} &= \underline{9.79 \text{ (ft)}} \end{aligned}$$

TOTAL VOLUME PURGED:

Design =	<u>1.20</u> (gallons)
Actual =	<u>0.75</u> ¹ (gallons)

GALLONS OF WATER PER WELL VOLUME:

$$\begin{aligned} \text{Well Volume} &= \text{Water Column (T) (ft)} \times \text{Multiplier} \\ &= \underline{9.79} \quad \times \quad \underline{0.041} \\ \text{Well Volume (V)} &= \underline{0.40} \text{ (Gallons)} \end{aligned}$$

well diameter	multiplier
1	0.041
1.5	0.092
2	0.163
4	0.653
6	1.469

PURGE RATE: Variable (mL / min)

PURGE METHOD: Peristaltic Pump, Low Flow Sampling

SCREENED INTERVAL: approximately 40 to 50 ft bgs

WATER QUALITY:

[illegible]

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
°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:

$$\begin{aligned} T &= \text{Depth to Bottom (ft)} - \text{Static Water Level (ft)} \\ &= \frac{53.71}{\text{Water Column (T)}} - \frac{43.65}{10.06 \text{ (ft)}} \end{aligned}$$
TOTAL VOLUME PURGED:
$$\frac{\text{Design} = 4.92 \text{ (gallons)}}{\text{Actual} = 0.3^1 \text{ (gallons)}}$$

GALLONS OF WATER PER WELL VOLUME:

$$\begin{aligned} \text{Well Volume} &= \text{Water Column (T) (ft)} \times \text{Multiplier} \\ &= \frac{10.06}{1.64} \times \frac{0.163}{1.64} \text{ (Gallons)} \end{aligned}$$

well diameter	multiplier
1	0.041
1.5	0.092
2	0.163
4	0.653
6	1.469

PURGE RATE: Variable (mL / min)

PURGE METHOD: Peristaltic Pump, Low Flow Sampling

SCREENED INTERVAL: approximately 40 to 50 ft bgs

WATER QUALITY:

[illegible]

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

⁰C - 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

APPENDIX E – 2023 PRR ACCEPTANCE LETTER

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 2
47-40 21st Street, Long Island City, NY 11101
P: (718) 482-4995
www.dec.ny.gov

April 15, 2024

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

Re: **Former Getty Service Station No. 00564
Brownfield Cleanup Program Site #C224176
Periodic Review Report Approval**

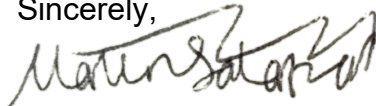
Dear Moris Yeroshalmi (as the Certifying Party):

The New York State Department of Environmental Conservation (NYSDEC), in consultation with the New York State Department of Health (NYSDOH), has reviewed your Periodic Review Report (PRR) and IC/EC Certification for following period: November 15, 2022 to November 15, 2023.

The Department hereby accepts the PRR and associated Certification. The frequency of Periodic Reviews for this site is 1 year, your next PRR is due on December 16, 2024. You will receive a reminder letter and updated certification form 75-days prior to the due date. Regardless of receipt or not, of the reminder notice, the next PRR including the signed certification form, is still due on the date specified above.

If you have any questions, please contact me at 718-482-7129 or e-mail: marlen.salazar@dec.ny.gov.

Sincerely,



Marlen Salazar
Project Manager

CC: J. O'Connell, C. Maycock, G. Nam – NYSDEC
S. McLaughlin, S. Selmer – NYSDOH
K. Tyll – Tyll Engineering
V. Whelan, C. Zweier – Preferred Environmental Services
L. Schnapf – Schnapf LLC