



AMC Engineering PLLC

18-36 42nd Street
Astoria, NY 11105
O: 718.545.0474

October 9, 2025

Mr. Christopher H. Allan
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
Division of Spill Prevention and Response Programs
47-40 21st Street, Long Island City, New York 11101

***Re: Quarterly Groundwater Sampling Report
Former Dico G Auto & Truck Repair
3035 White Plains Road, Bronx, New York
NYSDEC BCP Number: C203039***

Dear Mr. Allan:

Please find enclosed the Quarterly Groundwater Sampling Report for the above referenced project for the third quarter of 2025. In accordance with the Site Management Plan (SMP), a round of groundwater sampling was performed on July 25, 2025 for IRMW-7, IRMW-10, IRMW-11, and IRMW-14.

If you have any questions or comments regarding the attached report, please do not hesitate to contact me.

Very truly yours,

Aaliyah Kaushal
Environmental Engineer

Cc: A. Arker, Bedford Park Associates LLC
A. Czemerinski, AMC
J. O'Connell, NYSDEC



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18-36 42nd Street

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FORMER DICO G AUTO & TRUCK REPAIR

NYSDEC BCP Number C203039

Project Status Report

3rd Quarter 2025

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Graph 4	IRMW-14 Total Petroleum VOCs



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FIGURES

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Reporting Summary

Report Date:	October 9, 2025
Reporting Period:	3 rd Quarter of 2025
Site Status:	Building is in service and occupied by commercial tenant (supermarket) on the first floor with residential tenants on the upper floors.
Work Performed this Quarter:	July 25th, 2025 – Groundwater sampling was performed for four monitoring wells: IRMW-7, IRMW-10, IRMW-11, and IRMW-14. The filter socks in IRMW-14 were removed, since there was an obstruction in the well that prevented the socks from reaching the groundwater table. August 20th, 2025 – A well inspection was performed for IRMW-14 using a borescope. The inspection revealed the presence of a section of well screen inside IRMW-14 from approximately 11.2' bsg to the bottom of the well (19.2' bsg). September 5th, 2025 – The screen was removed from IRMW-14, and the oxygen-release compound was reinstalled.
Remediation Status:	No chemical oxidant events were performed during this period. A chemical oxidant injection was last performed on June 29, 2013 and September 1, 2013. Vacuum Enhanced Fluid Recovery (VEFR) was last performed on August 2, August 19, August 20 and August 22, 2013.



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Monitoring Program Summary

No. of Wells:	4 monitoring wells: 2 on-site, 2 off-site
Sampling Frequency:	Quarterly for IRMW-14; Annually for IRMW-7, IRMW-10, and IRMW-11 (updated frequency as of October 7 th , 2024)
Reporting Frequency:	Groundwater Sampling Report (Quarterly)
Groundwater Depth:	Between 16.24 ft and 16.29 ft below sidewalk grade
GW Flow Direction:	GW flow direction was found to be N-NW based on data obtained from 3Q25 GW survey and top of casing measurements taken in July 2025.
Monitoring Results:	No product was detected in IRMW-7, IRMW-10, IRMW-11, or IRMW-14.
Sampling Results:	Petroleum related VOCs decreased in IRMW-14 this quarter, and these levels are much lower than original concentrations in 2010.



VEFR and Oxidant Injections

No Vacuum Enhanced Fluid Recovery (VEFR) or chemical oxidant injections were performed during this period. VEFR were last performed on August 22nd, 2013 and Chemical Oxidant Injections were last performed on September 1st, 2013.

Oxygen Release Compound (ORC) Installation

A Remedial Systems Optimization (RSO) work plan was submitted to the Department on March 19th, 2025, which proposed the use of slow-release compound socks in IRMW-14 to try to tackle the persistent low VOC concentrations. This RSO plan was approved by the Department on March 26, 2025. The work plan and its approval letter are included in Appendix D. As per the accepted RSO, four (4) slow-release filter socks were installed in IRMW-14 on April 24th, 2025.

On July 25th, 2025, the socks were removed from the IRMW-14 prior to sampling. However, they were found to be stuck above the water table due to an obstruction inside the well. As a result, the oxygen release treatment had not reached groundwater since its installation in April 2025. The socks could not be returned to the well following sampling collection that day due to the obstruction.

On August 20th, 2025, a well inspection was performed for IRMW-14 using a borescope. The inspection revealed the presence of a section of a well screen within IRMW-14 from approximately 11.2' bsg to the bottom of the well (19.2' bsg). On September 5th, 2025, the screen was removed from the well, which was believed to have fallen into IRMW-14 during a past VEFR event. After the screen was removed, the oxygen release compound was reinstalled.

Groundwater Level Monitoring

Depth to water readings were taken from monitoring well IRMW-14 sampled with an electronic interface meter prior to purging the wells for sampling. Depth to water was measured to be between 16.24 ft and 16.29 ft below grade. No Liquid Phase Hydrocarbons (LPH) were detected in any of the four monitoring wells during this quarter.

Groundwater Sampling

The 3Q25 groundwater sampling event was performed on July 25th, 2025. The groundwater samples were collected from IRMW-7, IRMW-10, IRMW-11, and IRMW-14 in accordance with the low-flow groundwater sampling procedures outlined within the SMP. A duplicate and trip blank were also taken. See **Figure 1** for the location of all on-site and off-site monitoring wells and chemical oxidant injection wells. A copy of the Well Purging-Field Water Quality Measurements Form is attached as **Appendix A**. The groundwater samples were picked up at



AMC's office by laboratory dispatched courier and delivered to Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301). The groundwater samples were submitted for laboratory analysis of volatile organic compounds (VOCs) via EPA Method 8260.

A copy of the laboratory report is attached as **Appendix B**. The laboratory results are summarized and compared to their appropriate standards/criteria in **Table 2**. These results are compared to previous sampling events in **Tables 3 to 6**. The total VOCs obtained in this sampling event has been charted in **Graphs 1 to 4**. The BTEX concentrations, total chlorinated VOC concentrations, and total VOCs for the quarter are indicated in **Figure 3** in red, green, and black respectively.

Groundwater Sampling Results

IRMW-7 – Total VOC concentrations have shown a decrease from 25.38 µg/L during the 3Q24 sampling event to 6.09 µg/L in the 3Q25 event. Total BTEX has shown a decrease from 2.41 µg/L during the 3Q24 sampling event to 0.00 µg/L in 3Q25. CVOC concentration was found to be 0.00 ug/L for both 3Q24 and 3Q25. The current concentrations are much lower than the original concentrations measured in 3Q10. VOC concentrations have been following an overall decreasing trend since the 3Q2018 sampling event.

IRMW-10 – Total VOC concentrations have shown a decrease from 243.92 µg/L during the 3Q24 sampling event to 231.92 µg/L in 3Q25. Total BTEX have shown a decrease from 27.10 µg/L in 3Q24 to 21.90 µg/L in 3Q25. CVOC concentration was found to be 0.00 ug/L for both 3Q24 and 3Q25. The current concentrations are much lower than the original concentrations measured in 3Q10. VOC concentrations have been following an overall decreasing trend since the 3Q2018 sampling event.

IRMW-11 – Total VOC concentrations have shown a decrease from 28.63 µg/L during the 3Q24 sampling event to 12.94 µg/L for the 3Q25 sampling event. Total BTEX has shown a decrease from 3.03 µg/L in 3Q24 to 0.00 µg/L in 3Q25. The current concentrations are much lower than the original concentrations measured in 3Q10. The CVOC concentration was found to be 0.00 ug/L for both 3Q24 and 3Q25. VOC concentrations have been following an overall decreasing trend since the 3Q2018 sampling event.

IRMW-14 – Total VOC concentrations have shown an increase from 1500.15 µg/L during the 3Q24 sampling event to 4163.30 µg/L for the 3Q25 event. Total BTEX has shown an increase from 866.00 µg/L during the 3Q24 sampling event to 2286.00 µg/L for the 3Q25 event. The current concentrations are much lower than the original concentrations measured in 3Q10. The concentrations have been following an overall decreasing trend since the 3Q2018 sampling event with some fluctuation.



Groundwater VOC Concentration Trends

As depicted in the concentration graphs (**Graphs 1 to 4**), remedial efforts from 2011 through 2013 resulted in a significant reduction in VOC concentrations in the current focus area as defined by well IRMW-14. The VOCs in IRMW-14 continue to follow an overall decreasing trend, with spikes in concentration noted every few quarters. Overall, VOC concentrations are still well below pre-injection concentrations.

Future Plans and Recommendations

Remedial efforts at the Site have been successful in significantly reducing overall petroleum VOCs in groundwater. Water quality is expected to continue to improve over time. The rebound of petroleum VOCs that had been observed in IRMW-14 continues to fluctuate. The concentration in IRMW-14 is likely related to residual contamination in the small bedrock fractures that well 14 intersects and through which very little groundwater passes. It is noteworthy to add that IRMW-14 is located in an off-site location (sidewalk). Groundwater elevation seems to have no effect on the VOC concentration.

In accordance with the letter received from the DEC on October 7, 2024, the sampling frequency for wells IRMW-7, IRMW-10, and IRMW-11 was reduced from quarterly to annually. Groundwater sampling will continue on a quarterly basis for well IRMW-14.



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TABLES

Table 1
Well Survey Data
3Q2025

Well No.	Well Diameter (in)	Total Well Depth (ft)	Screened Interval (ft)	Casing Elevation	DTW (ft) 7/25/2025	DTP	PT	GW ELV 7/25/2025
IRMW-7	2	19.38	15 to 20	110.62	16.29	-	-	94.33
IRMW-10	2	19.94		110.60	16.26			94.34
IRMW-11	2	19.4		110.71	16.25			94.46
IRMW-14	2	19.2	15 to 20		16.24	-	-	

Well No.	DTW (ft) 7/25/2025	Survey (ft)	DTW+Survey (ft) 7/25/2025	Baseline Elevation (ft)	GW Survey (ft) 7/25/2025
IRMW-7	16.29	4.6	20.89	100	79.11
IRMW-10	16.26	4.61	20.87	100	79.13
IRMW-11	16.25	4.62	20.87	100	79.13
IRMW-14	16.24	4.57	20.81	100	79.19

TABLE 2
3035 White Plains Road, Bronx, NY
Groundwater Sample Results
3rd Quarter 2025 - July 2025

COMPOUND	NYSDEC Ambient Water Quality Standards µg/L	IRMW-7	IRMW-10	IRMW-11	IRMW-14	Duplicate	Trip Blank
		7/25/2025 Result	7/25/2025 Result	7/25/2025 Result	7/25/2025 Result	7/25/2025 Result	7/25/2025 Result
1,1,1,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
1,1,1-Trichloroethane	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
1,1,2-Trichloroethane	1	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0
1,1,2-Trichlorotrifluoroethane	5						
1,1-Dichloroethane	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	5	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
1,1-Dichloropropene	5	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene		< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
1,2,3-Trichloropropane	0.04	< 0.25	< 0.25	< 0.25	< 2.5	< 0.25	< 0.25
1,2,4-Trichlorobenzene		< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
1,2,4-Trimethylbenzene	5	1.2	0.82	< 1.0	1,100	< 1.0	< 1.0
1,2-Dibromo-3-Chloropropane	0.04	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
1,2-Dibromoethane	0.0006	< 0.25	< 0.25	< 0.25	< 2.5	< 0.25	< 0.25
1,2-Dichlorobenzene	5	< 1.0	< 1.0	< 1.0	< 4.7	< 1.0	< 1.0
1,2-Dichloroethane	0.6	< 0.60	< 0.60	< 0.60	< 5.0	< 0.60	< 0.60
1,2-Dichloroethylene (Total)							
1,2-Dichloropropane	1	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0
1,3,5-Trimethylbenzene	5	< 1.0	< 1.0	< 1.0	190	< 1.0	< 1.0
1,3-Dichlorobenzene		< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	< 1.0
1,3-Dichloropropane	5	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
1,4-Dichlorobenzene	5	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
1,4-dioxane							
2,2-Dichloropropane	5	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
2-Butanone							
2-Chlorotoluene	5	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
2-Hexanone		< 2.5	< 2.5	< 2.5	< 25	< 2.5	< 2.5
2-Isopropyltoluene	5	< 1.0	4.5	1.1	< 5.0	0.98	< 1.0
4-Chlorotoluene	5	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
4-Methyl-2-Pentanone		< 2.5	< 2.5	< 2.5	< 25	< 2.5	< 2.5
Acetone		< 5.0	< 5.0	< 5.0	< 60	< 5.0	< 5.0
Acrolein	5	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Acrylonitrile	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	1	< 0.70	10	< 0.70	35	< 0.70	< 0.70
Bromobenzene	5	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
Bromochloromethane	5	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
Bromoform		< 5.0	< 5.0	< 5.0	< 50	< 5.0	< 5.0
Bromomethane	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide	60	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
Carbon Tetrachloride	5	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
Chlorobenzene	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	7	< 5.0	< 5.0	< 5.0	< 7.0	< 5.0	< 5.0
Chloromethane	60	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	5	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 0.40	< 0.40	< 0.40	< 2.5	< 0.40	< 0.40
Cyclohexane							
Dibromochloromethane	5	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
Dibromomethane	5	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
Dichlorodifluoromethane	5	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
Ethyl Benzene	5	< 1.0	5.9	< 1.0	570	< 1.0	< 1.0
Hexachlorobutadiene	0.5	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50
Isopropylbenzene	5	< 1.0	55	1.6	43	1.5	< 1.0
m/p-Xylenes	10	< 1.0	2.9	< 1.0	1,200	< 1.0	< 1.0
Methyl Acetate							
Methyl Cyclohexane							
Methyl ethyl ketone		< 2.5	< 2.5	< 2.5	< 25	< 2.5	< 2.5
Methyl tert-butyl Ether	10	4.3	12	6.7	9.3	6.1	< 1.0
Methylene Chloride	5	< 3.0	< 3.0	< 3.0	< 5.0	< 3.0	< 3.0
Napthalene	10	< 1.0	21	< 1.0	390	< 1.0	< 1.0
n-Butylbenzene	5	< 1.0	9.2	< 1.0	15	< 1.0	< 1.0
n-Propylbenzene	5	< 1.0	90	< 1.0	130	< 1.0	< 1.0
o-Xylene	5	< 1.0	1.3	< 1.0	390	< 1.0	< 1.0
p-Isopropyltoluene		< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
sec-Butylbenzene	5	0.59	16	3	< 5.0	2.6	< 1.0
Styrene	5	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
t-1,3-Dichloropropene	0.4						
Tert-butyl alcohol							
tert-Butylbenzene	5	< 1.0	1.5	0.54	< 5.0	< 1.0	< 1.0
Tetrachloroethene	5	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
Tetrahydrofuran (THF)		< 5.0	< 5.0	< 5.0	< 50	< 5.0	< 5.0
Toluene	5	< 1.0	1.8	< 1.0	91	< 1.0	< 1.0
trans-1,2-Dichloroethene	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	0.4	< 0.40	< 0.40	< 0.40	< 2.5	< 0.40	< 0.40
trans-1,4-dichloro-2-butene	5	< 2.5	< 2.5	< 2.5	< 25	< 2.5	< 2.5
Trichloroethene	5	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
Trichlorofluoromethane	5	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
Trichlorotrifluoroethane		< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
Vinyl Acetate							
Vinyl Chloride	2	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0
Total BTEX Concentration		0.00	21.90	0.00	2286.00	0.00	0.00
Total Chlorinated VOC Concentrations		0.00	0.00	0.00	0.00	0.00	0.00
Total VOCs		6.09	231.92	12.94	4163.30	11.18	0.00

Notes:

Bold- Indicated RL exceeds NYCDEC Groundwater Standard

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 4
3035 White Plains Road, Bronx, NY
Volatile Organic Compounds
IRMW-10

[illegible]

**Ferrous Iron
Persulfate**

TABLE 5
3035 White Plains Road, Bronx, NY
Volatile Organic Compounds
IRMW-11

[illegible]

Notes:
 ND - Non-Detect
 NR - Not Analyzed
 NS - Not Sampled
 RI - Reporting Limit

RL - Reporting Limit
Bold/Highlighted - Indicated exceedance of the NYSDC Groundwater Standard

	NO	NO	NO
Ferrus von	-	-	-
Peru/Ste	NO	-	-

Model High to do-Tested exceedance of the NYSDEC Groundwater Standard

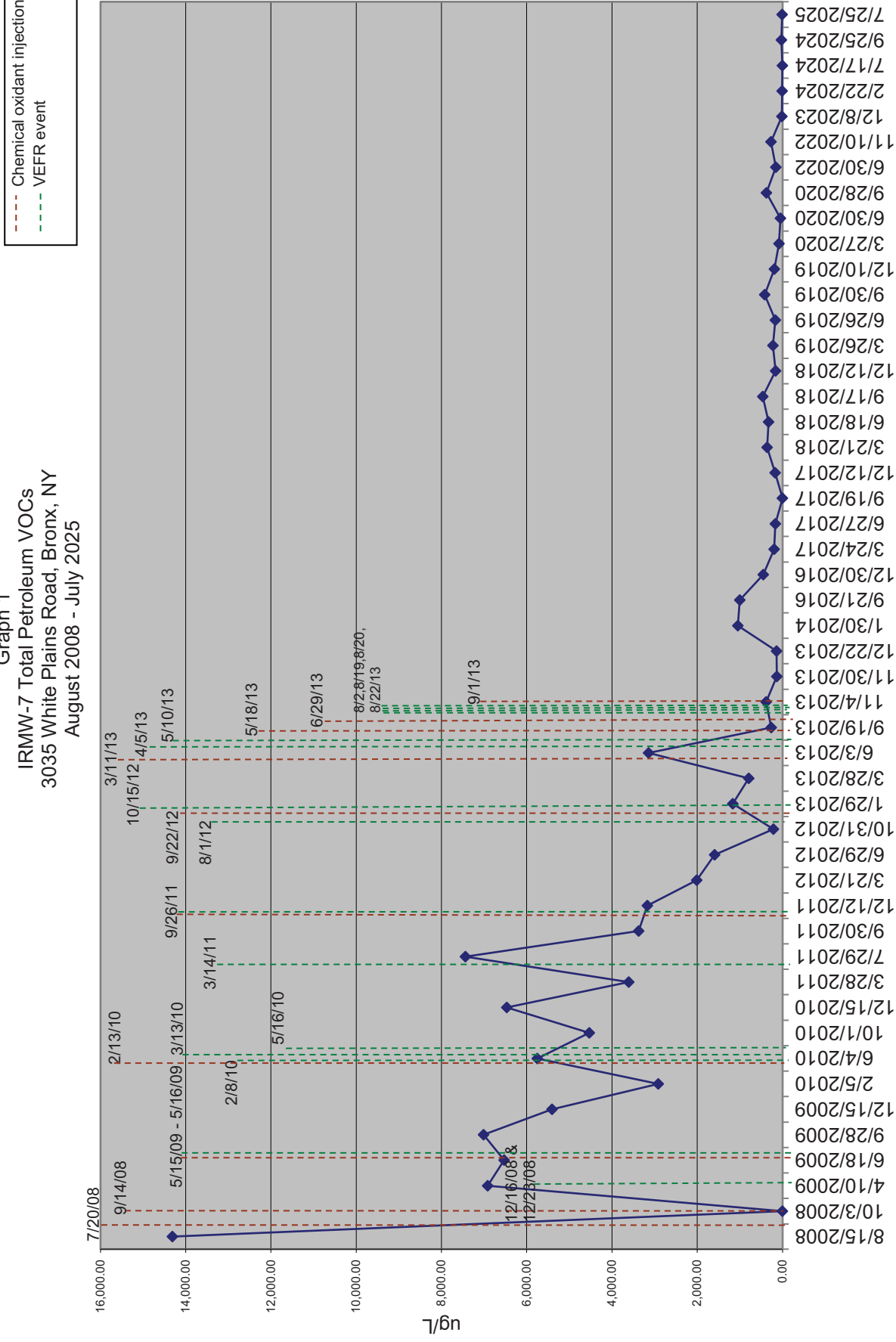


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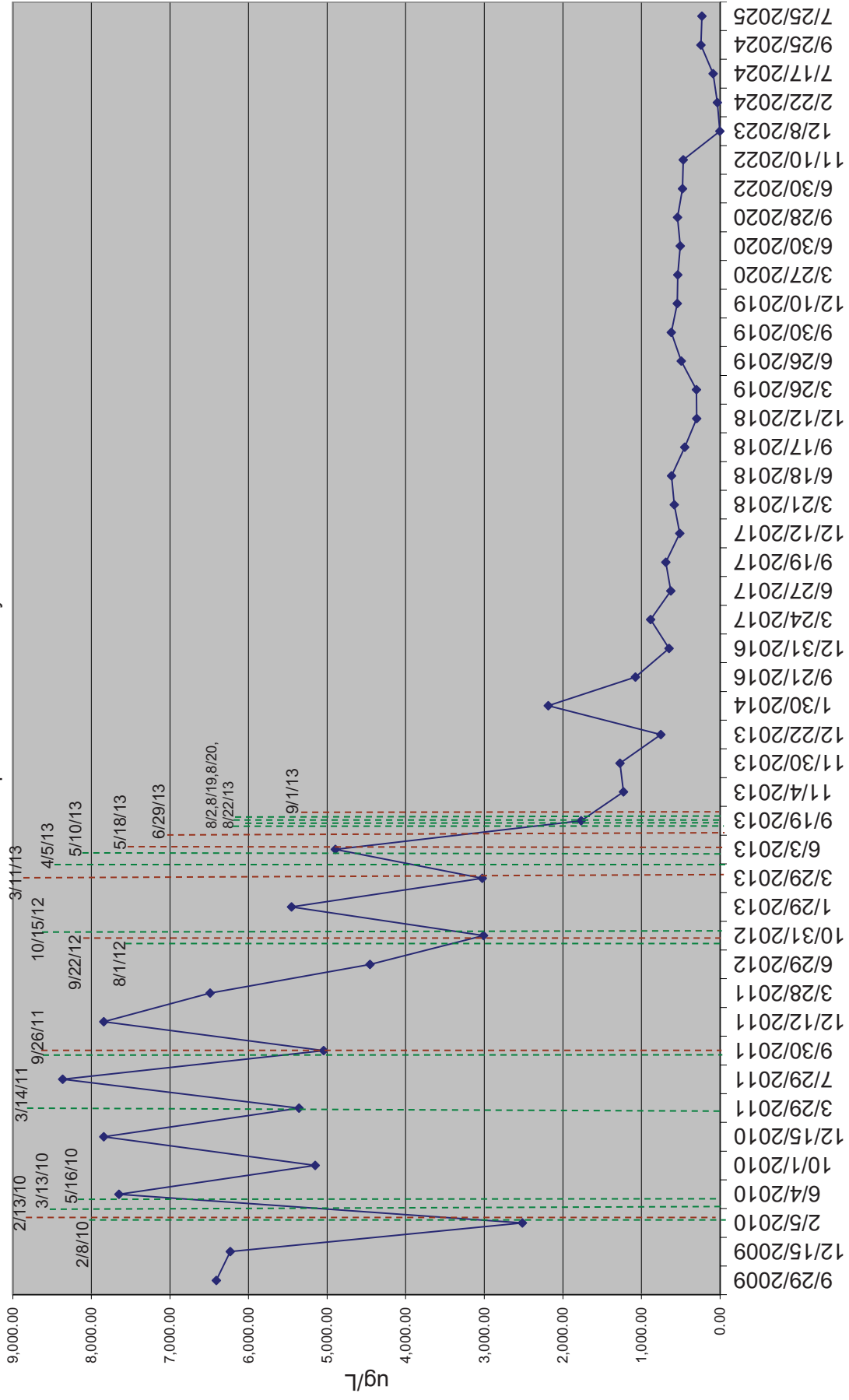
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GRAPHS

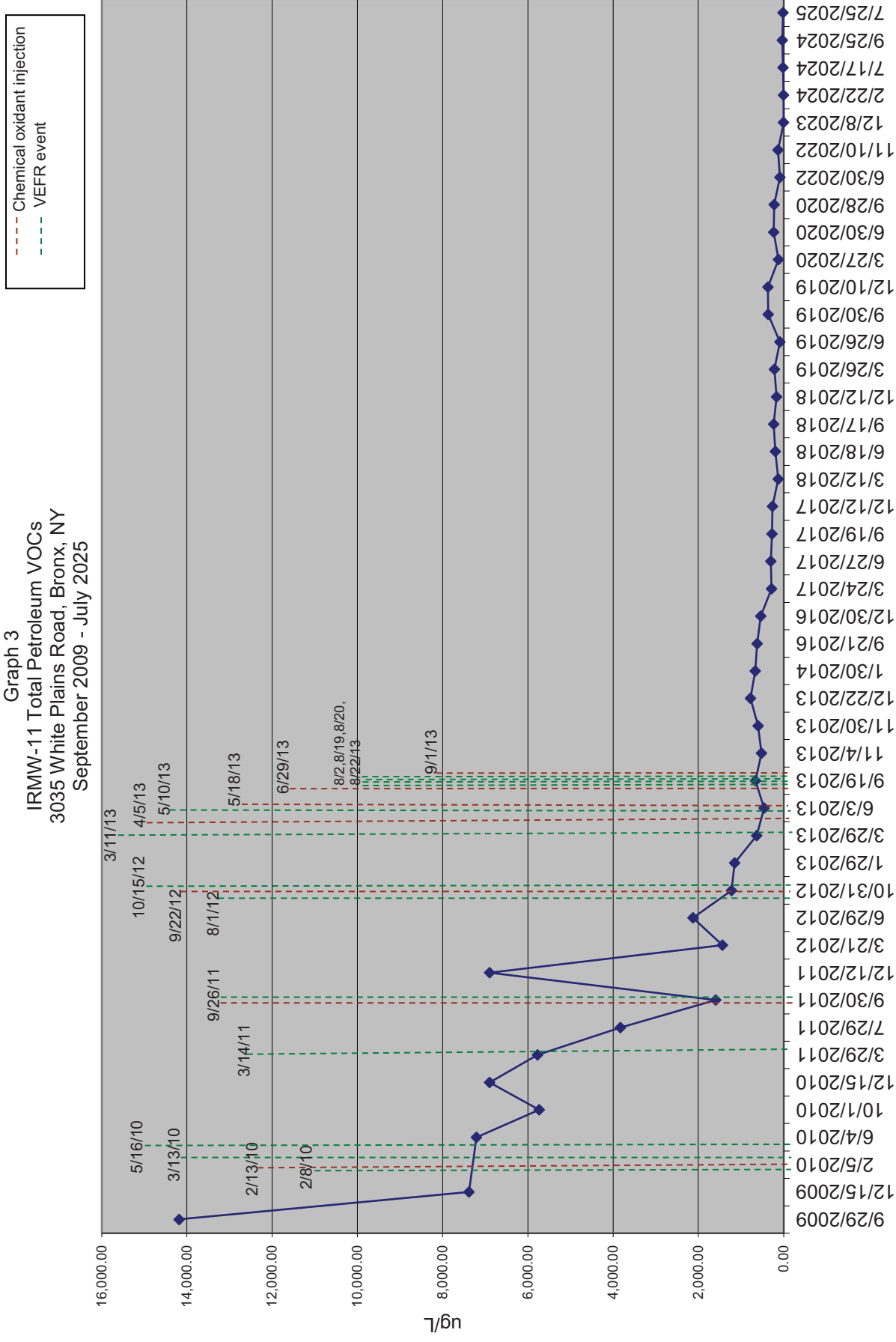
Graph 1
IRMW-7 Total Petroleum VOCs
3035 White Plains Road, Bronx, NY
August 2008 - July 2025



Graph 2
 IRMW-10 Total Petroleum VOCs
 3035 White Plains Road, Bronx, NY
 September 2009 - July 2025

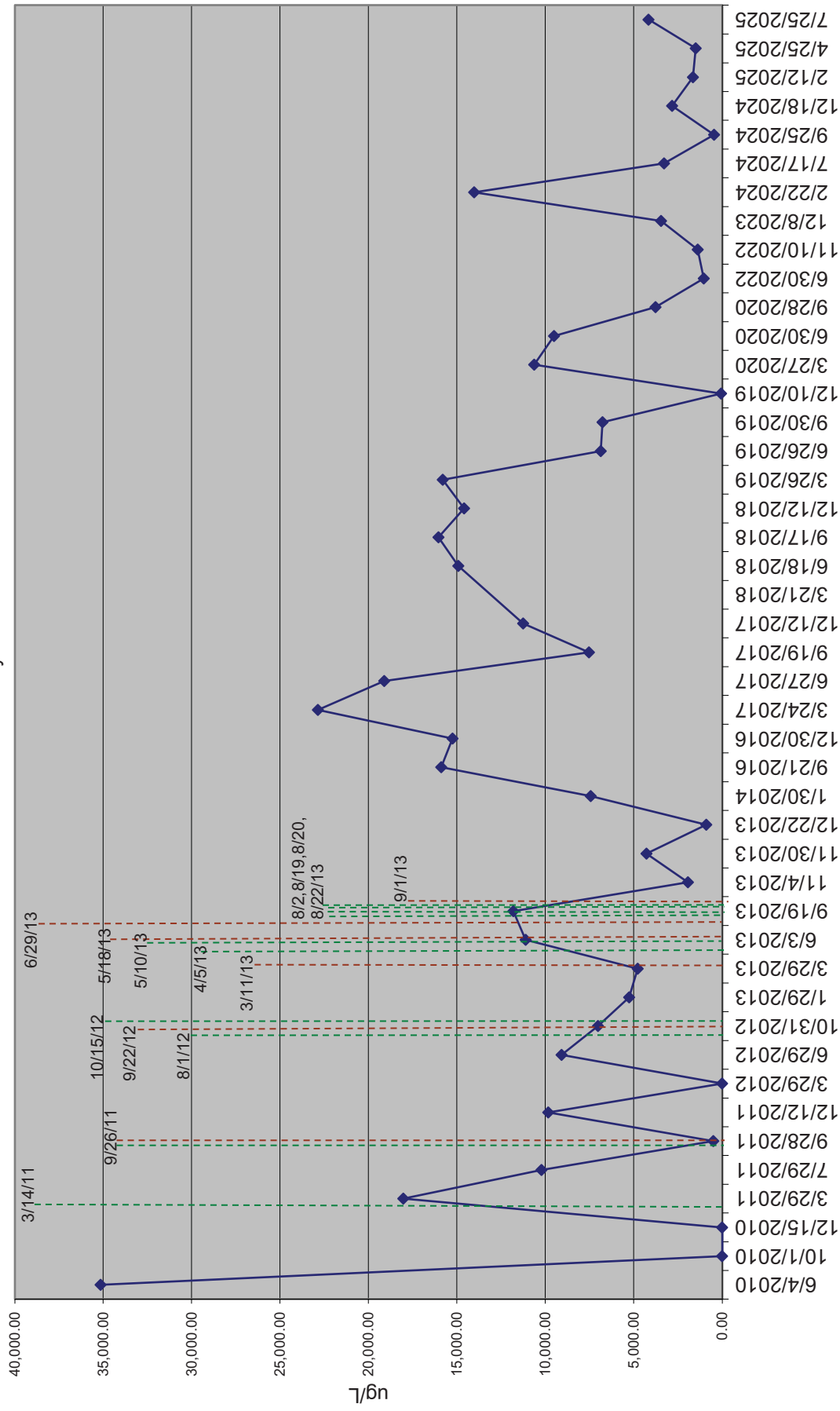


Graph 3
IRMW-11 Total Petroleum VOCs
3035 White Plains Road, Bronx, NY
September 2009 - July 2025



Graph 4
IRMW-14 Total Petroleum VOCs
3035 White Plains Road, Bronx, NY
June 2010 - July 2025

Chemical oxidant injection
VEFR event

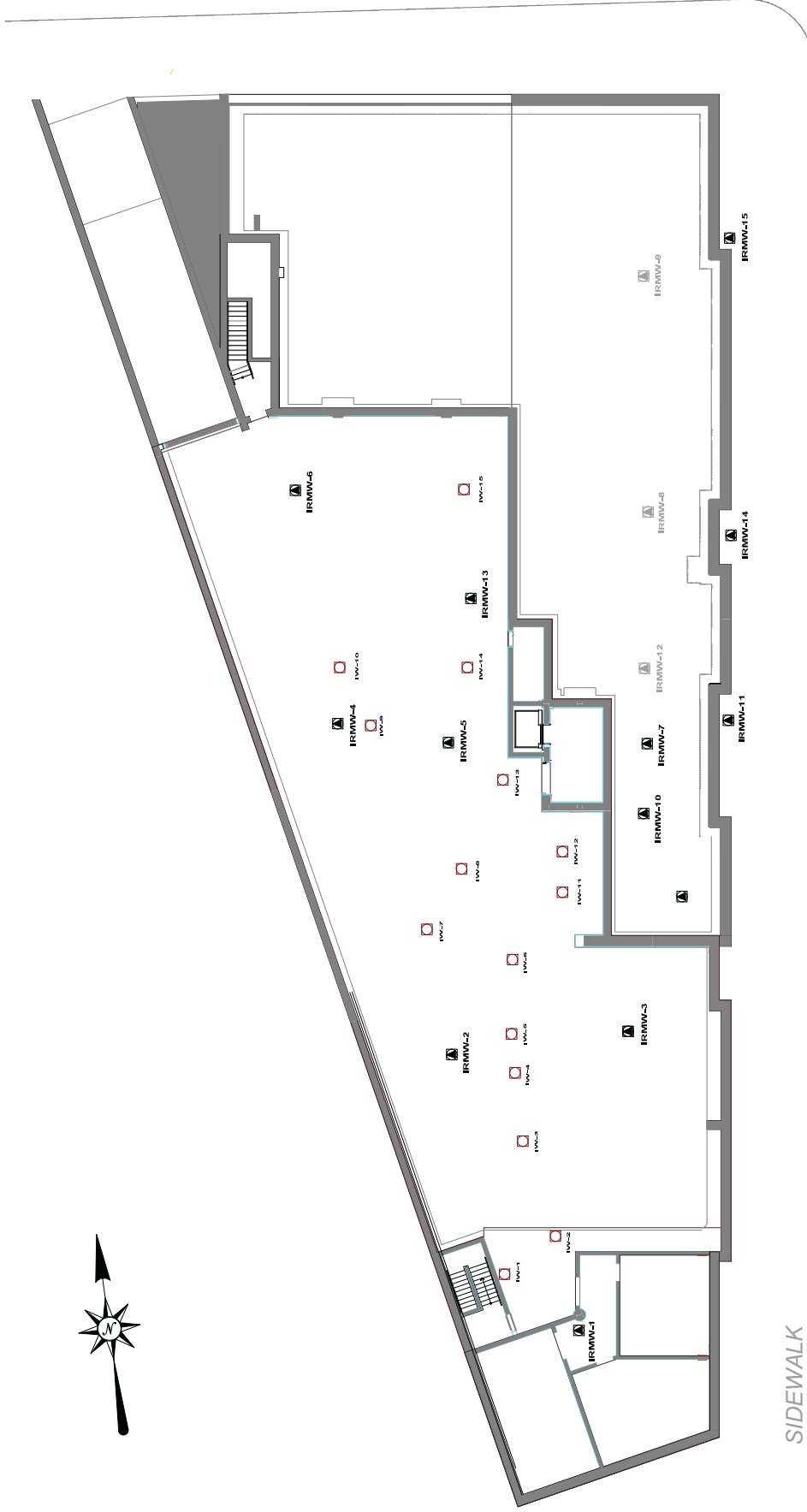




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FIGURES

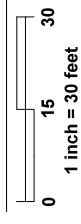


Note:

IRMW-X Groundwater Monitoring Well

Note: IRMW-10, 11, 12 and 13 installed for LPH delineation.

Scale:



WHITE PLAINS ROAD

SIDEWALK

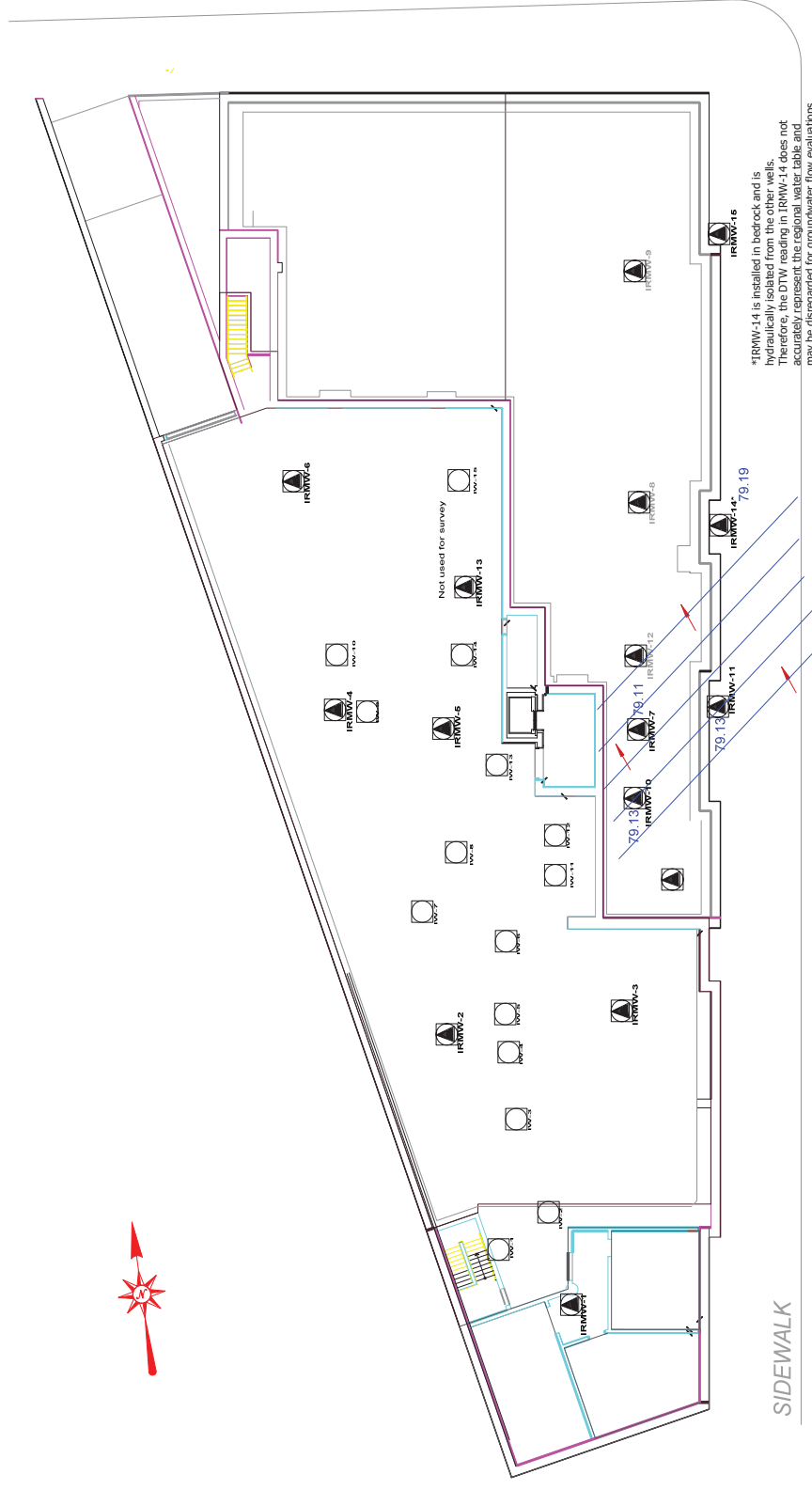
FORMER DICO G AUTO & TRUCK REPAIR
3035 WHITE PLAINS ROAD, BRONX, NY

FIGURE 1 SITE PLAN MAP

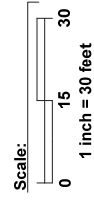
Phone 631.504.6000
Fax 631.924.2870



ENVIRONMENTAL BUSINESS CONSULTANTS



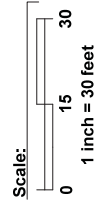
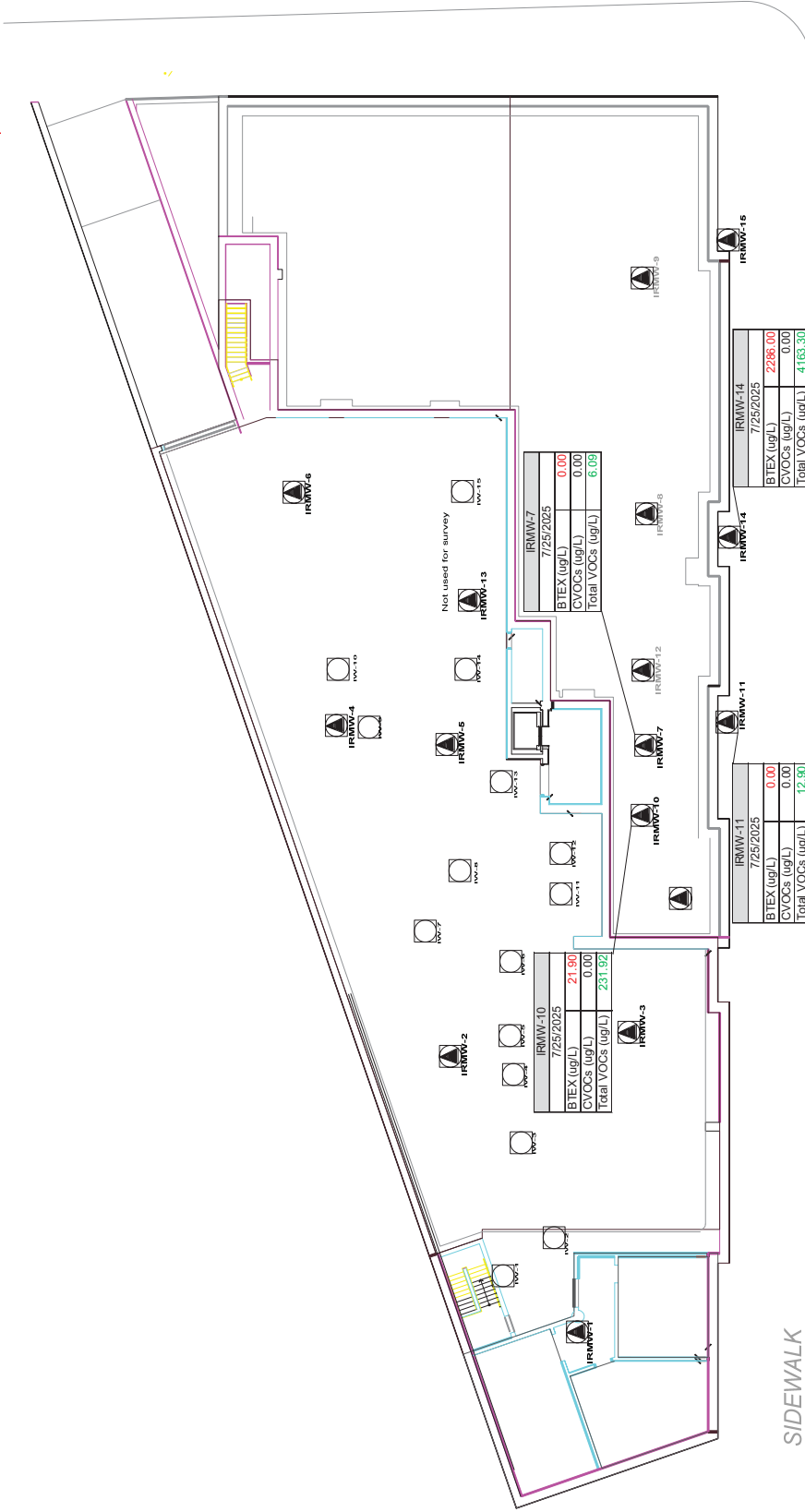
- Legend:**
- Groundwater Monitoring Well
Note: IRMW-10, 11, 12 and 13 installed for LPH delineation.
 - Groundwater Flow Direction
 - Groundwater Survey (7/25/2025)



WHITE PLAINS ROAD

SIDEWALK

 AMC Engineering PLLC 18-36 42nd Street Astoria, NY 11105 O: 718.545.0474	Figure No. 2	Site Name: Former Dico G Auto & Truck Repair Site Address: 3035 White Plains Road, Bronx, NY Drawing Title: Groundwater Contour Map
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WHITE PLAINS ROAD

Legend:

- Groundwater Monitoring Well
- Note: IRMW-10, 11, 12 and 13 installed for LPH delineation.
- BTEX Concentration (ug/L)
- Total Chlorinated VOC Concentration (ug/L)
- Total VOC Concentration (ug/L)



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Figure No.
3

Site Name: Former Dico G Auto & Truck Repair
Site Address: 3035 White Plains Road, Bronx, NY
Drawing Title: Groundwater VOCs - 3Q2025



AMC Engineering PLLC

18-36 42nd Street
Astoria, NY 11105
O: 718.545.0474

APPENDIX A

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORMS



3035 White Plains Road, Bronx

IRMW-7

7/25/2025

19.38

Peristaltic pump, horiba

16.29

3.09

0.52

150 ml/min

[illegible]

Note 150 ml = 0.04 gallons
Well was purged before noting of readings.



AMC Engineering PLLC

GROUNDWATER PURGE / SAMPLE LOGS

3035 White Plains Road, Bronx

Well I.D.: IRMW-10

Date: 7/25/2025

Well Depth (from TOC):

19.94

Static Water Level (from TOC):

16.26

Height of Water in Well:

3.68

Gallons of Water per Well Volume:

0.61

Flow Rate:

150 ml/min

Equipment: Peristaltic pump, horiba

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
3:40 PM	0.04 gal/min	0.2	8.84	0.734	21.21	22.86	76	77	0.47	
3:45 PM	0.04 gal/min	0.4000	8.87	0.716	22.61	3.56	82	88.6	0.45	
3:50 PM	0.04 gal/min	0.6000	8.91	0.716	23.1	3.31	89	87.4	0.45	
3:55 PM	0.04 gal/min	0.8000	8.91	0.731	22.58	4.69	81	74.6	0.46	
4:00 PM	0.04 gal/min	1.0000	8.83	0.728	22.66	3.66	62	52	0.466	
4:05 PM	0.04 gal/min	1.2000	8.79	0.731	22.51	3.45	40	48.6	0.46	
4:10 PM	0.04 gal/min	1.4000	8.78	0.734	22.38	3.57	25	48.8	0.47	

Note 150 ml = 0.04 gallons
Well was purged before noting of readings.



AMC Engineering PLLC

GROUNDWATER PURGE / SAMPLE LOGS

3035 White Plains Road, Bronx

Well I.D.: IRMW-11

Date: 7/25/2025

Well Depth (from TOC): 19.4

Equipment: Peristaltic pump, horiba

Static Water Level (from TOC): 16.25

Height of Water in Well: 3.15

Gallons of Water per Well Volume: 0.53

Flow Rate: 150 ml/min

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS (g/L)	Comments
10:30 AM	0.04 gal/min	0.2	10.04	0.806	24.82	6.64	162	149	0.516	
10:35 AM	0.04 gal/min	0.4000	9.85	0.797	24.76	4.95	174	121	0.51	
10:40 AM	0.04 gal/min	0.6000	9.71	0.785	24.73	4.25	179	99.7	0.503	
10:45 AM	0.04 gal/min	0.8000	9.59	0.782	24.75	3.77	185	94.6	0.501	
10:50 AM	0.04 gal/min	1.0000	9.45	0.777	24.82	3.38	190	88.7	0.497	
10:55 AM	0.04 gal/min	1.2000	9.38	0.768	24.95	3.16	192	77.2	0.491	
11:00 AM	0.04 gal/min	1.4000	9.3	0.76	25.08	3.09	196	72.1	0.486	
11:05 AM	0.04 gal/min	1.6000	9.24	0.755	25.23	3.04	199	69.1	0.483	

Note 150 ml = 0.04 gallons
Well was purged before noting of readings.





AMC Engineering PLLC

18-36 42nd Street
Astoria, NY 11105
O: 718.545.0474

APPENDIX B

Laboratory Report



Thursday, August 07, 2025

Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Project ID: 3035 WHITE PLAINS ROAD,BX
SDG ID: GCT87274
Sample ID#s: CT87274 - CT87279

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.

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

August 07, 2025

SDG I.D.: GCT87274

8260 Volatile Organics:

1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/FID method 504 or 8011 to achieve this criteria.

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 raw data.

Version 2: Complete report with raw data.



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

August 07, 2025

SDG I.D.: GCT87274

Project ID: 3035 WHITE PLAINS ROAD,BX

Client Id	Lab Id	Matrix	Col Date
IRMW-14	CT87274	GROUND WATER	07/25/25 12:52
IRMW-11	CT87275	GROUND WATER	07/25/25 11:29
IRMW-10	CT87276	GROUND WATER	07/25/25 16:20
IRMW-7	CT87277	GROUND WATER	07/25/25 15:18
DUPLICATE	CT87278	GROUND WATER	07/25/25 11:30
TRIP BLANK	CT87279	WATER	07/25/25 0:00



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



Analysis Report

August 07, 2025

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information

Matrix: GROUND WATER
Location Code: AMC-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by: AE
Received by: SR1
Analyzed by: see "By" below

Date

07/25/25
07/29/25

Time

12:52
16:28

Laboratory Data

SDG ID: GCT87274
Phoenix ID: CT87274

Project ID: 3035 WHITE PLAINS ROAD,BX
Client ID: IRMW-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
1,1,1-Trichloroethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
1,1,2-Trichloroethane	ND	2.5	2.5	ug/L	10	08/05/25	MH	SW8260D
1,1-Dichloroethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
1,1-Dichloroethene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
1,1-Dichloropropene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
1,2,3-Trichlorobenzene	ND	10	2.5	ug/L	10	08/05/25	MH	SW8260D
1,2,3-Trichloropropane	ND	2.5	2.5	ug/L	10	08/05/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	10	2.5	ug/L	10	08/05/25	MH	SW8260D
1,2,4-Trimethylbenzene	1100	20	5.0	ug/L	20	07/30/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	5.0	ug/L	10	08/05/25	MH	SW8260D
1,2-Dibromoethane	ND	2.5	2.5	ug/L	10	08/05/25	MH	SW8260D
1,2-Dichlorobenzene	ND	4.7	2.5	ug/L	10	08/05/25	MH	SW8260D
1,2-Dichloroethane	ND	5.0	5.0	ug/L	10	08/05/25	MH	SW8260D
1,2-Dichloropropane	ND	2.5	2.5	ug/L	10	08/05/25	MH	SW8260D
1,3,5-Trimethylbenzene	190	10	2.5	ug/L	10	08/05/25	MH	SW8260D
1,3-Dichlorobenzene	ND	3.0	2.5	ug/L	10	08/05/25	MH	SW8260D
1,3-Dichloropropane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
1,4-Dichlorobenzene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
2,2-Dichloropropane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
2-Chlorotoluene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
2-Hexanone	ND	25	25	ug/L	10	08/05/25	MH	SW8260D
2-Isopropyltoluene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
4-Chlorotoluene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
4-Methyl-2-pentanone	ND	25	25	ug/L	10	08/05/25	MH	SW8260D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	25	ug/L	10	08/05/25	MH	SW8260D
Acrolein	ND	25	25	ug/L	10	08/05/25	MH	SW8260D
Acrylonitrile	ND	5.0	5.0	ug/L	10	08/05/25	MH	SW8260D
Benzene	35	7.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Bromobenzene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Bromochloromethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Bromodichloromethane	ND	10	2.5	ug/L	10	08/05/25	MH	SW8260D
Bromoform	ND	50	2.5	ug/L	10	08/05/25	MH	SW8260D
Bromomethane	ND	5.0	5.0	ug/L	10	08/05/25	MH	SW8260D
Carbon Disulfide	ND	10	2.5	ug/L	10	08/05/25	MH	SW8260D
Carbon tetrachloride	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Chlorobenzene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Chloroethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Chloroform	ND	7.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Chloromethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	2.5	2.5	ug/L	10	08/05/25	MH	SW8260D
Dibromochloromethane	ND	10	2.5	ug/L	10	08/05/25	MH	SW8260D
Dibromomethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Dichlorodifluoromethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Ethylbenzene	570	10	2.5	ug/L	10	08/05/25	MH	SW8260D
Hexachlorobutadiene	ND	2.0	2.0	ug/L	10	08/05/25	MH	SW8260D
Isopropylbenzene	43	10	2.5	ug/L	10	08/05/25	MH	SW8260D
m&p-Xylene	1200	10	2.5	ug/L	10	08/05/25	MH	SW8260D
Methyl ethyl ketone	ND	25	25	ug/L	10	08/05/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	9.3	J 10	2.5	ug/L	10	08/05/25	MH	SW8260D
Methylene chloride	ND	5.0	5.0	ug/L	10	08/05/25	MH	SW8260D
Naphthalene	390	10	10	ug/L	10	08/05/25	MH	SW8260D
n-Butylbenzene	15	10	2.5	ug/L	10	08/05/25	MH	SW8260D
n-Propylbenzene	130	10	2.5	ug/L	10	08/05/25	MH	SW8260D
o-Xylene	390	10	2.5	ug/L	10	08/05/25	MH	SW8260D
p-Isopropyltoluene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
sec-Butylbenzene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Styrene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
tert-Butylbenzene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Tetrachloroethene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	50	25	ug/L	10	08/05/25	MH	SW8260D
Toluene	91	10	2.5	ug/L	10	08/05/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	2.5	2.5	ug/L	10	08/05/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	25	25	ug/L	10	08/05/25	MH	SW8260D
Trichloroethene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Trichlorofluoromethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Trichlorotrifluoroethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Vinyl chloride	ND	2.5	2.5	ug/L	10	08/05/25	MH	SW8260D
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4 (10x)	105			%	10	08/05/25	MH	70 - 130 %
% Bromofluorobenzene (10x)	98			%	10	08/05/25	MH	70 - 130 %
% Dibromofluoromethane (10x)	103			%	10	08/05/25	MH	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8 (10x)	98			%	10	08/05/25	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (20x)	101			%	20	07/30/25	MH	70 - 130 %
% Bromofluorobenzene (20x)	99			%	20	07/30/25	MH	70 - 130 %
% Dibromofluoromethane (20x)	104			%	20	07/30/25	MH	70 - 130 %
% Toluene-d8 (20x)	99			%	20	07/30/25	MH	70 - 130 %

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 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:

Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

August 07, 2025

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



Analysis Report

August 07, 2025

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information

Matrix: GROUND WATER
Location Code: AMC-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by: AE
Received by: SR1
Analyzed by: see "By" below

Date

07/25/25
07/29/25

Time

11:29
16:28

Laboratory Data

SDG ID: GCT87274
Phoenix ID: CT87275

Project ID: 3035 WHITE PLAINS ROAD,BX
Client ID: IRMW-11

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Client MS/MSD	Completed					07/30/25		

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	07/30/25	MH	SW8260D
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2-Hexanone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
2-Isopropyltoluene	1.1	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
Acetone	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Acrolein	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Acrylonitrile	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Benzene	ND	0.70	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromochloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromodichloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromoform	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromomethane	ND	5.0	0.50	ug/L	1	07/30/25	MH	SW8260D
Carbon Disulfide	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chlorobenzene	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloroform	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloromethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/30/25	MH	SW8260D
Dibromochloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Dibromomethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Ethylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	07/30/25	MH	SW8260D
Isopropylbenzene	1.6	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
m&p-Xylene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	6.7	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Methylene chloride	ND	3.0	1.0	ug/L	1	07/30/25	MH	SW8260D
Naphthalene	ND	1.0	1.0	ug/L	1	07/30/25	MH	SW8260D
n-Butylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
n-Propylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
o-Xylene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
sec-Butylbenzene	3.0	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Styrene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
tert-Butylbenzene	0.54	J 1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Tetrachloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Toluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
Trichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Vinyl chloride	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	104			%	1	07/30/25	MH	70 - 130 %
% Bromofluorobenzene	95			%	1	07/30/25	MH	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	104			%	1	07/30/25	MH	70 - 130 %
% Toluene-d8	99			%	1	07/30/25	MH	70 - 130 %

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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

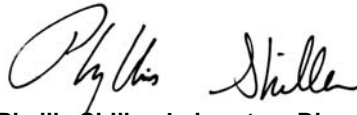
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

August 07, 2025

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



Analysis Report

August 07, 2025

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information

Matrix: GROUND WATER
Location Code: AMC-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by: AE
Received by: SR1
Analyzed by: see "By" below

Date

07/25/25
07/29/25

Time

16:20
16:28

Laboratory Data

SDG ID: GCT87274
Phoenix ID: CT87276

Project ID: 3035 WHITE PLAINS ROAD,BX
Client ID: IRMW-10

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	07/30/25	MH	SW8260D
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,4-Trimethylbenzene	0.82	J 1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	07/30/25	MH	SW8260D
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2-Hexanone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
2-Isopropyltoluene	4.5	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Acrolein	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Acrylonitrile	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Benzene	10	0.70	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromochloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromodichloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromoform	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromomethane	ND	5.0	0.50	ug/L	1	07/30/25	MH	SW8260D
Carbon Disulfide	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chlorobenzene	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloroform	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloromethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/30/25	MH	SW8260D
Dibromochloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Dibromomethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Ethylbenzene	5.9	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	07/30/25	MH	SW8260D
Isopropylbenzene	55	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
m&p-Xylene	2.9	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	12	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Methylene chloride	ND	3.0	1.0	ug/L	1	07/30/25	MH	SW8260D
Naphthalene	21	1.0	1.0	ug/L	1	07/30/25	MH	SW8260D
n-Butylbenzene	9.2	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
n-Propylbenzene	90	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
o-Xylene	1.3	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
sec-Butylbenzene	16	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Styrene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
tert-Butylbenzene	1.5	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Tetrachloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Toluene	1.8	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
Trichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Vinyl chloride	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	1	07/30/25	MH	70 - 130 %
% Bromofluorobenzene	98			%	1	07/30/25	MH	70 - 130 %
% Dibromofluoromethane	100			%	1	07/30/25	MH	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	1	07/30/25	MH	70 - 130 %

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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

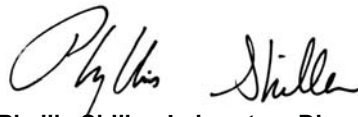
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

August 07, 2025

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



Analysis Report

August 07, 2025

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information

Matrix: GROUND WATER
Location Code: AMC-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by: AE
Received by: SR1
Analyzed by: see "By" below

Date

07/25/25
07/29/25

Time

15:18
16:28

Laboratory Data

SDG ID: GCT87274
Phoenix ID: CT87277

Project ID: 3035 WHITE PLAINS ROAD,BX
Client ID: IRMW-7

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	07/30/25	MH	SW8260D
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,4-Trimethylbenzene	1.2	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	07/30/25	MH	SW8260D
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2-Hexanone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Acrolein	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Acrylonitrile	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Benzene	ND	0.70	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromochloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromodichloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromoform	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromomethane	ND	5.0	0.50	ug/L	1	07/30/25	MH	SW8260D
Carbon Disulfide	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chlorobenzene	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloroform	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloromethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/30/25	MH	SW8260D
Dibromochloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Dibromomethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Ethylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	07/30/25	MH	SW8260D
Isopropylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
m&p-Xylene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	4.3	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Methylene chloride	ND	3.0	1.0	ug/L	1	07/30/25	MH	SW8260D
Naphthalene	ND	1.0	1.0	ug/L	1	07/30/25	MH	SW8260D
n-Butylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
n-Propylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
o-Xylene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
sec-Butylbenzene	0.59	J 1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Styrene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Tetrachloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Toluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
Trichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Vinyl chloride	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	105			%	1	07/30/25	MH	70 - 130 %
% Bromofluorobenzene	97			%	1	07/30/25	MH	70 - 130 %
% Dibromofluoromethane	107			%	1	07/30/25	MH	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	1	07/30/25	MH	70 - 130 %

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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

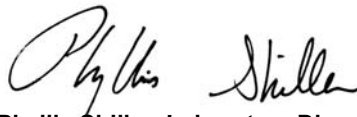
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

August 07, 2025

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



Analysis Report

August 07, 2025

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information

Matrix: GROUND WATER
Location Code: AMC-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by: AE
Received by: SR1
Analyzed by: see "By" below

Date

07/25/25
07/29/25

Time

11:30
16:28

Laboratory Data

SDG ID: GCT87274
Phoenix ID: CT87278

Project ID: 3035 WHITE PLAINS ROAD,BX
Client ID: DUPLICATE

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	07/30/25	MH	SW8260D
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	07/30/25	MH	SW8260D
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2-Hexanone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
2-Isopropyltoluene	0.98	J 1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Acrolein	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Acrylonitrile	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Benzene	ND	0.70	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromochloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromodichloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromoform	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromomethane	ND	5.0	0.50	ug/L	1	07/30/25	MH	SW8260D
Carbon Disulfide	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chlorobenzene	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloroform	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloromethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/30/25	MH	SW8260D
Dibromochloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Dibromomethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Ethylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	07/30/25	MH	SW8260D
Isopropylbenzene	1.5	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
m&p-Xylene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	6.1	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Methylene chloride	ND	3.0	1.0	ug/L	1	07/30/25	MH	SW8260D
Naphthalene	ND	1.0	1.0	ug/L	1	07/30/25	MH	SW8260D
n-Butylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
n-Propylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
o-Xylene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
sec-Butylbenzene	2.6	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Styrene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Tetrachloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Toluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
Trichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Vinyl chloride	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	1	07/30/25	MH	70 - 130 %
% Bromofluorobenzene	94			%	1	07/30/25	MH	70 - 130 %
% Dibromofluoromethane	100			%	1	07/30/25	MH	70 - 130 %

Client ID: DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	96			%	1	07/30/25	MH	70 - 130 %

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.

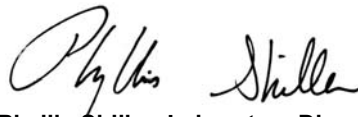
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

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:**Volatile Comment:**

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

August 07, 2025

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



Analysis Report

August 07, 2025

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information

Matrix: WATER
Location Code: AMC-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by: AE
Received by: SR1
Analyzed by: see "By" below

Date

07/25/25
07/29/25

Time

16:28

Laboratory Data

SDG ID: GCT87274
Phoenix ID: CT87279

Project ID: 3035 WHITE PLAINS ROAD,BX
Client ID: TRIP BLANK

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	07/29/25	MH	SW8260D
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	07/29/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	07/29/25	MH	SW8260D
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	07/29/25	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	07/29/25	MH	SW8260D
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
2-Hexanone	ND	2.5	2.5	ug/L	1	07/29/25	MH	SW8260D
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	07/29/25	MH	SW8260D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	07/29/25	MH	SW8260D
Acrolein	ND	5.0	2.5	ug/L	1	07/29/25	MH	SW8260D
Acrylonitrile	ND	5.0	2.5	ug/L	1	07/29/25	MH	SW8260D
Benzene	ND	0.70	0.25	ug/L	1	07/29/25	MH	SW8260D
Bromobenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Bromochloromethane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Bromodichloromethane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Bromoform	ND	5.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Bromomethane	ND	5.0	0.50	ug/L	1	07/29/25	MH	SW8260D
Carbon Disulfide	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Chlorobenzene	ND	5.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Chloroethane	ND	5.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Chloroform	ND	5.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Chloromethane	ND	5.0	0.25	ug/L	1	07/29/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/29/25	MH	SW8260D
Dibromochloromethane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Dibromomethane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Ethylbenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	07/29/25	MH	SW8260D
Isopropylbenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
m&p-Xylene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	07/29/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Methylene chloride	ND	3.0	1.0	ug/L	1	07/29/25	MH	SW8260D
Naphthalene	ND	1.0	1.0	ug/L	1	07/29/25	MH	SW8260D
n-Butylbenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
n-Propylbenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
o-Xylene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Styrene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Tetrachloroethene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	07/29/25	MH	SW8260D
Toluene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	07/29/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/29/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	07/29/25	MH	SW8260D
Trichloroethene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Vinyl chloride	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	1	07/29/25	MH	70 - 130 %
% Bromofluorobenzene	94			%	1	07/29/25	MH	70 - 130 %
% Dibromofluoromethane	110			%	1	07/29/25	MH	70 - 130 %

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	07/29/25	MH	70 - 130 %

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.

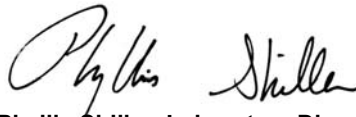
Comments:

TRIP BLANK INCLUDED.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

August 07, 2025

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



QA/QC Report

August 07, 2025

QA/QC Data

SDG I.D.: GCT87274

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 796494 (ug/L), QC Sample No: CT86902 (CT87274 (20X) , CT87277, CT87279)										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	102	104	1.9				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	102	102	0.0				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	98	100	2.0				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	97	99	2.0				70 - 130	30
1,1-Dichloroethane	ND	1.0	102	102	0.0				70 - 130	30
1,1-Dichloroethene	ND	1.0	100	98	2.0				70 - 130	30
1,1-Dichloropropene	ND	1.0	98	100	2.0				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	105	107	1.9				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	93	96	3.2				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	106	110	3.7				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	104	105	1.0				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	99	102	3.0				70 - 130	30
1,2-Dibromoethane	ND	1.0	102	104	1.9				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	102	103	1.0				70 - 130	30
1,2-Dichloroethane	ND	1.0	99	100	1.0				70 - 130	30
1,2-Dichloropropane	ND	1.0	97	97	0.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	101	104	2.9				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	101	103	2.0				70 - 130	30
1,3-Dichloropropane	ND	1.0	103	103	0.0				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	100	101	1.0				70 - 130	30
2,2-Dichloropropane	ND	1.0	106	109	2.8				70 - 130	30
2-Chlorotoluene	ND	1.0	99	101	2.0				70 - 130	30
2-Hexanone	ND	5.0	89	92	3.3				70 - 130	30
2-Isopropyltoluene	ND	1.0	103	105	1.9				70 - 130	30
4-Chlorotoluene	ND	1.0	100	103	3.0				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	91	92	1.1				70 - 130	30
Acetone	ND	5.0	88	90	2.2				70 - 130	30
Acrolein	ND	5.0	88	94	6.6				70 - 130	30
Acrylonitrile	ND	5.0	104	101	2.9				70 - 130	30
Benzene	ND	0.70	99	100	1.0				70 - 130	30
Bromobenzene	ND	1.0	99	102	3.0				70 - 130	30
Bromochloromethane	ND	1.0	105	104	1.0				70 - 130	30
Bromodichloromethane	ND	0.50	104	104	0.0				70 - 130	30
Bromoform	ND	1.0	105	107	1.9				70 - 130	30
Bromomethane	ND	1.0	102	100	2.0				70 - 130	30
Carbon Disulfide	ND	1.0	107	109	1.9				70 - 130	30
Carbon tetrachloride	ND	1.0	101	101	0.0				70 - 130	30
Chlorobenzene	ND	1.0	101	102	1.0				70 - 130	30
Chloroethane	ND	1.0	110	108	1.8				70 - 130	30
Chloroform	ND	1.0	98	101	3.0				70 - 130	30
Chloromethane	ND	1.0	96	97	1.0				70 - 130	30

QA/QC Data

SDG I.D.: GCT87274

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,2-Dichloroethene	ND	1.0	91	92	1.1				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	103	105	1.9				70 - 130	30
Dibromochloromethane	ND	0.50	108	109	0.9				70 - 130	30
Dibromomethane	ND	1.0	99	100	1.0				70 - 130	30
Dichlorodifluoromethane	ND	1.0	132	135	2.2				70 - 130	30
Ethylbenzene	ND	1.0	100	101	1.0				70 - 130	30
Hexachlorobutadiene	ND	0.40	100	104	3.9				70 - 130	30
Isopropylbenzene	ND	1.0	103	105	1.9				70 - 130	30
m&p-Xylene	ND	1.0	102	104	1.9				70 - 130	30
Methyl ethyl ketone	ND	5.0	97	97	0.0				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	102	102	0.0				70 - 130	30
Methylene chloride	ND	1.0	99	98	1.0				70 - 130	30
Naphthalene	ND	1.0	89	92	3.3				70 - 130	30
n-Butylbenzene	ND	1.0	100	103	3.0				70 - 130	30
n-Propylbenzene	ND	1.0	101	103	2.0				70 - 130	30
o-Xylene	ND	1.0	102	105	2.9				70 - 130	30
p-Isopropyltoluene	ND	1.0	102	105	2.9				70 - 130	30
sec-Butylbenzene	ND	1.0	100	103	3.0				70 - 130	30
Styrene	ND	1.0	103	105	1.9				70 - 130	30
tert-Butylbenzene	ND	1.0	100	103	3.0				70 - 130	30
Tetrachloroethene	ND	1.0	101	101	0.0				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	91	94	3.2				70 - 130	30
Toluene	ND	1.0	99	99	0.0				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	97	97	0.0				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	105	106	0.9				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	104	105	1.0				70 - 130	30
Trichloroethene	ND	1.0	103	103	0.0				70 - 130	30
Trichlorofluoromethane	ND	1.0	104	106	1.9				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	100	101	1.0				70 - 130	30
Vinyl chloride	ND	1.0	106	106	0.0				70 - 130	30
% 1,2-dichlorobenzene-d4	101	%	100	102	2.0				70 - 130	30
% Bromofluorobenzene	95	%	101	101	0.0				70 - 130	30
% Dibromofluoromethane	107	%	103	101	2.0				70 - 130	30
% Toluene-d8	99	%	98	97	1.0				70 - 130	30

Comment:

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

QA/QC Batch 797164 (ug/L), QC Sample No: CT87274 (CT87274 (10X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	76	93	20.1				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	75	86	13.7				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	70	90	25.0				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	87	90	3.4				70 - 130	30
1,1-Dichloroethane	ND	1.0	80	88	9.5				70 - 130	30
1,1-Dichloroethene	ND	1.0	83	95	13.5				70 - 130	30
1,1-Dichloropropene	ND	1.0	91	94	3.2				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	132	119	10.4				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	68	85	22.2				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	126	110	13.6				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	100	84	17.4				70 - 130	30
1,2-Dibromoethane	ND	1.0	75	90	18.2				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	104	97	7.0				70 - 130	30
1,2-Dichloroethane	ND	1.0	77	79	2.6				70 - 130	30

QA/QC Data

SDG I.D.: GCT87274

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Dichloropropane	ND	1.0	87	90	3.4				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	108	98	9.7				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	105	97	7.9				70 - 130	30
1,3-Dichloropropane	ND	1.0	73	92	23.0				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	103	96	7.0				70 - 130	30
2,2-Dichloropropane	ND	1.0	78	97	21.7				70 - 130	30
2-Chlorotoluene	ND	1.0	100	98	2.0				70 - 130	30
2-Hexanone	ND	5.0	102	69	38.6				70 - 130	30
2-Isopropyltoluene	ND	1.0	111	98	12.4				70 - 130	30
4-Chlorotoluene	ND	1.0	104	99	4.9				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	119	69	53.2				70 - 130	30
Acetone	ND	5.0	81	68	17.4				70 - 130	30
Acrolein	ND	5.0	76	73	4.0				70 - 130	30
Acrylonitrile	ND	5.0	92	82	11.5				70 - 130	30
Benzene	ND	0.70	98	96	2.1				70 - 130	30
Bromobenzene	ND	1.0	91	96	5.3				70 - 130	30
Bromochloromethane	ND	1.0	86	94	8.9				70 - 130	30
Bromodichloromethane	ND	0.50	84	90	6.9				70 - 130	30
Bromoform	ND	1.0	77	93	18.8				70 - 130	30
Bromomethane	ND	1.0	78	86	9.8				70 - 130	30
Carbon Disulfide	ND	1.0	91	102	11.4				70 - 130	30
Carbon tetrachloride	ND	1.0	77	86	11.0				70 - 130	30
Chlorobenzene	ND	1.0	102	94	8.2				70 - 130	30
Chloroethane	ND	1.0	130	98	28.1				70 - 130	30
Chloroform	ND	1.0	78	88	12.0				70 - 130	30
Chloromethane	ND	1.0	63	76	18.7				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	98	105	6.9				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	95	95	0.0				70 - 130	30
Dibromochloromethane	ND	0.50	72	94	26.5				70 - 130	30
Dibromomethane	ND	1.0	87	87	0.0				70 - 130	30
Dichlorodifluoromethane	ND	1.0	100	86	15.1				70 - 130	30
Ethylbenzene	ND	1.0	117	96	19.7				70 - 130	30
Hexachlorobutadiene	ND	0.40	107	104	2.8				70 - 130	30
Isopropylbenzene	ND	1.0	104	102	1.9				70 - 130	30
m&p-Xylene	ND	1.0	127	97	26.8				70 - 130	30
Methyl ethyl ketone	ND	5.0	76	74	2.7				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	75	82	8.9				70 - 130	30
Methylene chloride	ND	1.0	129	90	35.6				70 - 130	30
Naphthalene	ND	1.0	119	94	23.5				70 - 130	30
n-Butylbenzene	ND	1.0	110	98	11.5				70 - 130	30
n-Propylbenzene	ND	1.0	105	102	2.9				70 - 130	30
o-Xylene	ND	1.0	130	100	26.1				70 - 130	30
p-Isopropyltoluene	ND	1.0	112	99	12.3				70 - 130	30
sec-Butylbenzene	ND	1.0	109	99	9.6				70 - 130	30
Styrene	ND	1.0	133	99	29.3				70 - 130	30
tert-Butylbenzene	ND	1.0	107	97	9.8				70 - 130	30
Tetrachloroethene	ND	1.0	109	97	11.7				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	75	70	6.9				70 - 130	30
Toluene	ND	1.0	122	95	24.9				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	84	91	8.0				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	96	90	6.5				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	93	97	4.2				70 - 130	30
Trichloroethene	ND	1.0	97	98	1.0				70 - 130	30

QA/QC Data

SDG I.D.: GCT87274

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Trichlorofluoromethane	ND	1.0	74	89	18.4				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	79	97	20.5				70 - 130	30
Vinyl chloride	ND	1.0	107	92	15.1				70 - 130	30
% 1,2-dichlorobenzene-d4	102	%	100	100	0.0				70 - 130	30
% Bromofluorobenzene	90	%	114	94	19.2				70 - 130	30
% Dibromofluoromethane	102	%	88	102	14.7				70 - 130	30
% Toluene-d8	96	%	116	98	16.8				70 - 130	30

Comment:

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

QA/QC Batch 796145 (ug/L), QC Sample No: CT87275 (CT87275, CT87276, CT87278)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	103	104	1.0	106	111	4.6	70 - 130	30	
1,1,1-Trichloroethane	ND	1.0	99	101	2.0	88	111	23.1	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.50	100	99	1.0	107	118	9.8	70 - 130	30	
1,1,2-Trichloroethane	ND	1.0	99	98	1.0	104	107	2.8	70 - 130	30	
1,1-Dichloroethane	ND	1.0	102	102	0.0	102	104	1.9	70 - 130	30	
1,1-Dichloroethene	ND	1.0	99	103	4.0	104	113	8.3	70 - 130	30	
1,1-Dichloropropene	ND	1.0	100	101	1.0	94	110	15.7	70 - 130	30	
1,2,3-Trichlorobenzene	ND	1.0	139	138	0.7	150	160	6.5	70 - 130	30	l,m
1,2,3-Trichloropropane	ND	1.0	97	104	7.0	99	109	9.6	70 - 130	30	
1,2,4-Trichlorobenzene	ND	1.0	126	125	0.8	134	148	9.9	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	1.0	105	104	1.0	108	117	8.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	1.0	111	106	4.6	120	142	16.8	70 - 130	30	m
1,2-Dibromoethane	ND	1.0	104	101	2.9	106	111	4.6	70 - 130	30	
1,2-Dichlorobenzene	ND	1.0	105	105	0.0	105	113	7.3	70 - 130	30	
1,2-Dichloroethane	ND	1.0	99	96	3.1	100	104	3.9	70 - 130	30	
1,2-Dichloropropane	ND	1.0	97	96	1.0	101	105	3.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	106	104	1.9	106	116	9.0	70 - 130	30	
1,3-Dichlorobenzene	ND	1.0	104	103	1.0	105	113	7.3	70 - 130	30	
1,3-Dichloropropane	ND	1.0	103	102	1.0	106	110	3.7	70 - 130	30	
1,4-Dichlorobenzene	ND	1.0	104	104	0.0	104	112	7.4	70 - 130	30	
2,2-Dichloropropane	ND	1.0	105	109	3.7	81	84	3.6	70 - 130	30	
2-Chlorotoluene	ND	1.0	101	102	1.0	103	112	8.4	70 - 130	30	
2-Hexanone	ND	5.0	87	86	1.2	99	108	8.7	70 - 130	30	
2-Isopropyltoluene	ND	1.0	107	106	0.9	112	122	8.5	70 - 130	30	
4-Chlorotoluene	ND	1.0	103	102	1.0	105	113	7.3	70 - 130	30	
4-Methyl-2-pentanone	ND	5.0	89	89	0.0	103	111	7.5	70 - 130	30	
Acetone	ND	5.0	87	94	7.7	133	117	12.8	70 - 130	30	m
Acrolein	ND	5.0	96	96	0.0	93	100	7.3	70 - 130	30	
Acrylonitrile	ND	5.0	102	103	1.0	106	116	9.0	70 - 130	30	
Benzene	ND	0.70	99	98	1.0	102	109	6.6	70 - 130	30	
Bromobenzene	ND	1.0	101	103	2.0	103	112	8.4	70 - 130	30	
Bromochloromethane	ND	1.0	99	102	3.0	83	92	10.3	70 - 130	30	
Bromodichloromethane	ND	0.50	103	100	3.0	105	108	2.8	70 - 130	30	
Bromoform	ND	1.0	109	106	2.8	110	117	6.2	70 - 130	30	
Bromomethane	ND	1.0	106	107	0.9	83	103	21.5	70 - 130	30	
Carbon Disulfide	ND	1.0	108	108	0.0	107	115	7.2	70 - 130	30	
Carbon tetrachloride	ND	1.0	101	100	1.0	90	113	22.7	70 - 130	30	
Chlorobenzene	ND	1.0	100	100	0.0	103	109	5.7	70 - 130	30	
Chloroethane	ND	1.0	109	112	2.7	115	116	0.9	70 - 130	30	
Chloroform	ND	1.0	96	98	2.1	84	104	21.3	70 - 130	30	
Chloromethane	ND	1.0	87	90	3.4	88	98	10.8	70 - 130	30	

QA/QC Data

SDG I.D.: GCT87274

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,2-Dichloroethene	ND	1.0	111	99	11.4	94	94	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	0.40	103	102	1.0	100	105	4.9	70 - 130	30	
Dibromochloromethane	ND	0.50	108	107	0.9	107	113	5.5	70 - 130	30	
Dibromomethane	ND	1.0	101	97	4.0	102	107	4.8	70 - 130	30	
Dichlorodifluoromethane	ND	1.0	117	120	2.5	124	126	1.6	70 - 130	30	
Ethylbenzene	ND	1.0	100	101	1.0	105	110	4.7	70 - 130	30	
Hexachlorobutadiene	ND	0.40	112	109	2.7	111	120	7.8	70 - 130	30	
Isopropylbenzene	ND	1.0	103	105	1.9	107	120	11.5	70 - 130	30	
m&p-Xylene	ND	1.0	103	103	0.0	107	113	5.5	70 - 130	30	
Methyl ethyl ketone	ND	5.0	91	92	1.1	70	109	43.6	70 - 130	30	r
Methyl t-butyl ether (MTBE)	ND	1.0	99	101	2.0	101	107	5.8	70 - 130	30	
Methylene chloride	ND	1.0	98	97	1.0	97	104	7.0	70 - 130	30	
Naphthalene	ND	1.0	116	114	1.7	138	155	11.6	70 - 130	30	m
n-Butylbenzene	ND	1.0	106	104	1.9	107	117	8.9	70 - 130	30	
n-Propylbenzene	ND	1.0	104	105	1.0	109	119	8.8	70 - 130	30	
o-Xylene	ND	1.0	106	106	0.0	109	117	7.1	70 - 130	30	
p-Isopropyltoluene	ND	1.0	106	106	0.0	110	120	8.7	70 - 130	30	
sec-Butylbenzene	ND	1.0	106	105	0.9	105	117	10.8	70 - 130	30	
Styrene	ND	1.0	105	103	1.9	107	112	4.6	70 - 130	30	
tert-Butylbenzene	ND	1.0	105	103	1.9	107	117	8.9	70 - 130	30	
Tetrachloroethene	ND	1.0	101	100	1.0	107	114	6.3	70 - 130	30	
Tetrahydrofuran (THF)	ND	2.5	90	88	2.2	58	108	60.2	70 - 130	30	m,r
Toluene	ND	1.0	98	99	1.0	105	109	3.7	70 - 130	30	
trans-1,2-Dichloroethene	ND	1.0	98	102	4.0	100	108	7.7	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.40	105	104	1.0	106	108	1.9	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	120	118	1.7	108	123	13.0	70 - 130	30	
Trichloroethene	ND	1.0	101	103	2.0	107	110	2.8	70 - 130	30	
Trichlorofluoromethane	ND	1.0	106	105	0.9	113	117	3.5	70 - 130	30	
Trichlorotrifluoroethane	ND	1.0	104	103	1.0	104	110	5.6	70 - 130	30	
Vinyl chloride	ND	1.0	106	106	0.0	107	118	9.8	70 - 130	30	
% 1,2-dichlorobenzene-d4	103	%	101	100	1.0	102	102	0.0	70 - 130	30	
% Bromofluorobenzene	94	%	98	98	0.0	99	97	2.0	70 - 130	30	
% Dibromofluoromethane	102	%	99	102	3.0	89	103	14.6	70 - 130	30	
% Toluene-d8	97	%	97	97	0.0	100	98	2.0	70 - 130	30	

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.

m = This parameter is outside laboratory MS/MSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

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
- (ISO) - Isotope Dilution


 Phyllis Shiller, Laboratory Director
 August 07, 2025

Sample Criteria Exceedances Report

GCT87274 - AMC-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Analysis Units
CT87274	\$8260DP25R	Toluene	NY / DEP / Effluent to Sewer Limits	91	10	28	28	ug/L
CT87274	\$8260DP25R	Naphthalene	NY / DEP / Effluent to Sewer Limits	390	10	19	19	ug/L
CT87274	\$8260DP25R	o-Xylene	NY / DEP / Effluent to Sewer Limits	390	10	74	74	ug/L
CT87274	\$8260DP25R	m&p-Xylene	NY / DEP / Effluent to Sewer Limits	1200	10	74	74	ug/L
CT87274	\$8260DP25R	Ethylbenzene	NY / DEP / Effluent to Sewer Limits	570	10	142	142	ug/L
CT87274	\$8260DP25R	Naphthalene	NY / TAGM - Semi-Volatiles / Groundwater Standards	390	10	10	10	ug/L
CT87274	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	35	7.0	0.7	0.7	ug/L
CT87274	\$8260DP25R	Toluene	NY / TAGM - Volatile Organics / Groundwater Standards	91	10	5	5	ug/L
CT87274	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	ND	2.5	2	2	ug/L
CT87274	\$8260DP25R	o-Xylene	NY / TAGM - Volatile Organics / Groundwater Standards	390	10	5	5	ug/L
CT87274	\$8260DP25R	Ethylbenzene	NY / TAGM - Volatile Organics / Groundwater Standards	570	10	5	5	ug/L
CT87274	\$8260DP25R	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	390	10	5	5	ug/L
CT87274	\$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria	390	10	10	10	ug/L
CT87274	\$8260DP25R	n-Propylbenzene	NY / TOGS - Water Quality / GA Criteria	130	10	5	5	ug/L
CT87274	\$8260DP25R	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria	570	10	5	5	ug/L
CT87274	\$8260DP25R	o-Xylene	NY / TOGS - Water Quality / GA Criteria	390	10	5	5	ug/L
CT87274	\$8260DP25R	n-Butylbenzene	NY / TOGS - Water Quality / GA Criteria	15	10	5	5	ug/L
CT87274	\$8260DP25R	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	1	1	ug/L
CT87274	\$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	2.0	0.5	0.5	ug/L
CT87274	\$8260DP25R	trans-1,4-dichloro-2-butene	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
CT87274	\$8260DP25R	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.4	0.4	ug/L
CT87274	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	35	7.0	1	1	ug/L
CT87274	\$8260DP25R	Acrolein	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
CT87274	\$8260DP25R	1,3,5-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	190	10	5	5	ug/L
CT87274	\$8260DP25R	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	1	1	ug/L
CT87274	\$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.6	0.6	ug/L
CT87274	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.0006	0.0006	ug/L
CT87274	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.04	0.04	ug/L
CT87274	\$8260DP25R	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	1100	20	5	5	ug/L
CT87274	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.04	0.04	ug/L
CT87274	\$8260DP25R	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria	43	10	5	5	ug/L
CT87274	\$8260DP25R	Toluene	NY / TOGS - Water Quality / GA Criteria	91	10	5	5	ug/L
CT87274	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	ND	2.5	2	2	ug/L
CT87274	\$8260DP25R	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.4	0.4	ug/L
CT87275	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CT87275	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CT87275	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CT87276	\$8260DP25R	Naphthalene	NY / DEP / Effluent to Sewer Limits	21	1.0	19	19	ug/L
CT87276	\$8260DP25R	Naphthalene	NY / TAGM - Semi-Volatiles / Groundwater Standards	21	1.0	10	10	ug/L
CT87276	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	10	0.70	0.7	0.7	ug/L

Sample Criteria Exceedances Report

GCT87274 - AMC-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Analysis Units
CT87276	\$8260DP25R	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	21	1.0	5	5	ug/L
CT87276	\$8260DP25R	Ethylbenzene	NY / TAGM - Volatile Organics / Groundwater Standards	5.9	1.0	5	5	ug/L
CT87276	\$8260DP25R	n-Butylbenzene	NY / TOGS - Water Quality / GA Criteria	9.2	1.0	5	5	ug/L
CT87276	\$8260DP25R	n-Propylbenzene	NY / TOGS - Water Quality / GA Criteria	90	1.0	5	5	ug/L
CT87276	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CT87276	\$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria	21	1.0	10	10	ug/L
CT87276	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CT87276	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CT87276	\$8260DP25R	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria	55	1.0	5	5	ug/L
CT87276	\$8260DP25R	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria	5.9	1.0	5	5	ug/L
CT87276	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	10	0.70	1	1	ug/L
CT87276	\$8260DP25R	sec-Butylbenzene	NY / TOGS - Water Quality / GA Criteria	16	1.0	5	5	ug/L
CT87277	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CT87277	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CT87277	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CT87278	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CT87278	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CT87278	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CT87279	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CT87279	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CT87279	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L

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.



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

August 07, 2025

SDG I.D.: GCT87274

The samples in this delivery group were received at 1.1°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823

Client Services (860) 645-8726

AMC ENGINEERING PLLC

7/25/2025

Analysis Request

Turnaround:

[illegible]

114

Date Received

[illegible]

* 5/14/25 TB date

****Please do not analyze overlapping parameters, twice.**

State where samples were collected:

Observation 1

☐ NJ Reduced Deliv. *
☒ NY Enhanced (ASP B) *
☐ Other

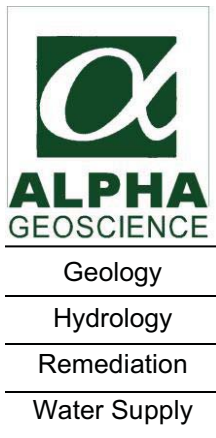


AMC Engineering PLLC

18-36 42nd Street
Astoria, NY 11105
O: 718.545.0474

APPENDIX C

Data Usability Summary Report (DUSR)



October 8, 2025

Ms. Aaliyah Kaushal
Environmental Engineer
AMC Engineering, PLLC
18-36 42nd Street
Astoria, New York 11105

Re: Data Validation Services
3035 White Plains Road
July 2025 Ground Water Sampling Event

Dear Ms. Kaushal:

The data usability summary report (DUSR) and data validation review are attached to this letter for the 3035 White Plains Road July 2025 ground water sampling event. The data were acceptable for Phoenix Environmental Laboratories, Inc, SDG number GCT87274 with some minor issues that are identified and discussed in the validation summaries. There were no data qualified as either rejected or estimated in data pack.

A list of common data validation acronyms is attached to this letter to assist you interpreting the validation summaries. If you have any questions concerning the work to be performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist AMC Engineering, PLLC.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA/bms
Via email

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high and associated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.



Geology

Hydrology

Remediation

Water Supply

**Data Usability Summary Report for
Phoenix Environmental Laboratories, Inc.
SDG: GCT87274**

**4 Ground Samples, 1 Field Duplicate,
and 1 Trip Blank
Collected July 25, 2025**

Prepared by: Donald Anné
October 8, 2025

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results for 4 ground water samples, 1 field duplicate, and 1 trip blank analyzed for volatiles.

The overall performance of the analysis is acceptable. Phoenix Environmental Laboratories, Inc. did fulfill the requirements of the analytical method.

The data are acceptable with some minor issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The “not detected” volatile results for chloromethane, acetone, 4-methyl-2-pentanone, 2-hexanone, and 1,2,3-trichloropropane were qualified as “estimated” (UJ) for sample IRMW-14 because 1 of 2 percent recoveries for chloromethane, acetone, 4-methyl-2-pentanone, 2-hexanone, and 1,2,3-trichloropropane were below QC limits, but not below 30% in the aqueous LCS/LCSD.
- The “not detected” volatile result for tetrahydrofuran was qualified as “estimated” (UJ) for sample IRMW-11 because 1 of 2 percent recoveries for tetrahydrofuran was below QC limits, but not below 30% in the aqueous MS/MSD sample.

All data are considered usable, with estimated (UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

Qualified Data Section



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



Analysis Report

August 22, 2025

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information

Matrix: GROUND WATER
Location Code: AMC-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by: AE
Received by: SR1
Analyzed by: see "By" below

Date

07/25/25
07/29/25

Time

12:52
16:28

Laboratory Data

SDG ID: GCT87274
Phoenix ID: CT87274

Project ID: 3035 WHITE PLAINS ROAD,BX
Client ID: IRMW-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
1,1,1-Trichloroethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
1,1,2-Trichloroethane	ND	2.5	2.5	ug/L	10	08/05/25	MH	SW8260D
1,1-Dichloroethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
1,1-Dichloroethene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
1,1-Dichloropropene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
1,2,3-Trichlorobenzene	ND	10	2.5	ug/L	10	08/05/25	MH	SW8260D
1,2,3-Trichloropropane	ND UJ	2.5	2.5	ug/L	10	08/05/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	10	2.5	ug/L	10	08/05/25	MH	SW8260D
1,2,4-Trimethylbenzene	1100	20	5.0	ug/L	20	07/30/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	5.0	ug/L	10	08/05/25	MH	SW8260D
1,2-Dibromoethane	ND	2.5	2.5	ug/L	10	08/05/25	MH	SW8260D
1,2-Dichlorobenzene	ND	4.7	2.5	ug/L	10	08/05/25	MH	SW8260D
1,2-Dichloroethane	ND	5.0	5.0	ug/L	10	08/05/25	MH	SW8260D
1,2-Dichloropropane	ND	2.5	2.5	ug/L	10	08/05/25	MH	SW8260D
1,3,5-Trimethylbenzene	190	10	2.5	ug/L	10	08/05/25	MH	SW8260D
1,3-Dichlorobenzene	ND	3.0	2.5	ug/L	10	08/05/25	MH	SW8260D
1,3-Dichloropropane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
1,4-Dichlorobenzene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
2,2-Dichloropropane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
2-Chlorotoluene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
2-Hexanone	ND UJ	25	25	ug/L	10	08/05/25	MH	SW8260D
2-Isopropyltoluene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
4-Chlorotoluene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
4-Methyl-2-pentanone	ND UJ	25	25	ug/L	10	08/05/25	MH	SW8260D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	UJ 50	25	ug/L	10	08/05/25	MH	SW8260D
Acrolein	ND	25	25	ug/L	10	08/05/25	MH	SW8260D
Acrylonitrile	ND	5.0	5.0	ug/L	10	08/05/25	MH	SW8260D
Benzene	35	7.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Bromobenzene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Bromochloromethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Bromodichloromethane	ND	10	2.5	ug/L	10	08/05/25	MH	SW8260D
Bromoform	ND	50	2.5	ug/L	10	08/05/25	MH	SW8260D
Bromomethane	ND	5.0	5.0	ug/L	10	08/05/25	MH	SW8260D
Carbon Disulfide	ND	10	2.5	ug/L	10	08/05/25	MH	SW8260D
Carbon tetrachloride	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Chlorobenzene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Chloroethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Chloroform	ND	7.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Chloromethane	ND	UJ 5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	2.5	2.5	ug/L	10	08/05/25	MH	SW8260D
Dibromochloromethane	ND	10	2.5	ug/L	10	08/05/25	MH	SW8260D
Dibromomethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Dichlorodifluoromethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Ethylbenzene	570	10	2.5	ug/L	10	08/05/25	MH	SW8260D
Hexachlorobutadiene	ND	2.0	2.0	ug/L	10	08/05/25	MH	SW8260D
Isopropylbenzene	43	10	2.5	ug/L	10	08/05/25	MH	SW8260D
m&p-Xylene	1200	10	2.5	ug/L	10	08/05/25	MH	SW8260D
Methyl ethyl ketone	ND	25	25	ug/L	10	08/05/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	9.3	J 10	2.5	ug/L	10	08/05/25	MH	SW8260D
Methylene chloride	ND	5.0	5.0	ug/L	10	08/05/25	MH	SW8260D
Naphthalene	390	10	10	ug/L	10	08/05/25	MH	SW8260D
n-Butylbenzene	15	10	2.5	ug/L	10	08/05/25	MH	SW8260D
n-Propylbenzene	130	10	2.5	ug/L	10	08/05/25	MH	SW8260D
o-Xylene	390	10	2.5	ug/L	10	08/05/25	MH	SW8260D
p-Isopropyltoluene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
sec-Butylbenzene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Styrene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
tert-Butylbenzene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Tetrachloroethene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	50	25	ug/L	10	08/05/25	MH	SW8260D
Toluene	91	10	2.5	ug/L	10	08/05/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	2.5	2.5	ug/L	10	08/05/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	25	25	ug/L	10	08/05/25	MH	SW8260D
Trichloroethene	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Trichlorofluoromethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Trichlorotrifluoroethane	ND	5.0	2.5	ug/L	10	08/05/25	MH	SW8260D
Vinyl chloride	ND	2.5	2.5	ug/L	10	08/05/25	MH	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4 (10x)	105			%	10	08/05/25	MH	70 - 130 %
% Bromofluorobenzene (10x)	98			%	10	08/05/25	MH	70 - 130 %
% Dibromofluoromethane (10x)	103			%	10	08/05/25	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8 (10x)	98			%	10	08/05/25	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (20x)	101			%	20	07/30/25	MH	70 - 130 %
% Bromofluorobenzene (20x)	99			%	20	07/30/25	MH	70 - 130 %
% Dibromofluoromethane (20x)	104			%	20	07/30/25	MH	70 - 130 %
% Toluene-d8 (20x)	99			%	20	07/30/25	MH	70 - 130 %

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 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:

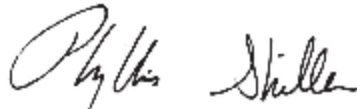
Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

August 22, 2025

Reviewed and Released by: Alejandro Paredes, Project Manager



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



Analysis Report

August 22, 2025

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information

Matrix: GROUND WATER
Location Code: AMC-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by: AE
Received by: SR1
Analyzed by: see "By" below

Date

07/25/25
07/29/25

Time

11:29
16:28

Laboratory Data

SDG ID: GCT87274
Phoenix ID: CT87275

Project ID: 3035 WHITE PLAINS ROAD,BX
Client ID: IRMW-11

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Client MS/MSD	Completed					07/30/25		

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	07/30/25	MH	SW8260D
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2-Hexanone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
2-Isopropyltoluene	1.1	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
Acetone	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Acrolein	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Acrylonitrile	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Benzene	ND	0.70	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromochloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromodichloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromoform	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromomethane	ND	5.0	0.50	ug/L	1	07/30/25	MH	SW8260D
Carbon Disulfide	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chlorobenzene	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloroform	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloromethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/30/25	MH	SW8260D
Dibromochloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Dibromomethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Ethylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	07/30/25	MH	SW8260D
Isopropylbenzene	1.6	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
m&p-Xylene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	6.7	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Methylene chloride	ND	3.0	1.0	ug/L	1	07/30/25	MH	SW8260D
Naphthalene	ND	1.0	1.0	ug/L	1	07/30/25	MH	SW8260D
n-Butylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
n-Propylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
o-Xylene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
sec-Butylbenzene	3.0	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Styrene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
tert-Butylbenzene	0.54	J	1.0	0.25	ug/L	07/30/25	MH	SW8260D
Tetrachloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	UU	5.0	2.5	ug/L	07/30/25	MH	SW8260D
Toluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
Trichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Vinyl chloride	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	104			%	1	07/30/25	MH	70 - 130 %
% Bromofluorobenzene	95			%	1	07/30/25	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	104			%	1	07/30/25	MH	70 - 130 %
% Toluene-d8	99			%	1	07/30/25	MH	70 - 130 %

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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

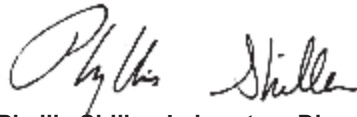
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

August 22, 2025

Reviewed and Released by: Alejandro Paredes, Project Manager



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



Analysis Report

August 22, 2025

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information

Matrix: GROUND WATER
Location Code: AMC-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by: AE
Received by: SR1
Analyzed by: see "By" below

Date

07/25/25
07/29/25

Time

16:20
16:28

Laboratory Data

SDG ID: GCT87274
Phoenix ID: CT87276

Project ID: 3035 WHITE PLAINS ROAD,BX
Client ID: IRMW-10

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	07/30/25	MH	SW8260D
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,4-Trimethylbenzene	0.82	J 1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	07/30/25	MH	SW8260D
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2-Hexanone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
2-Isopropyltoluene	4.5	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Acrolein	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Acrylonitrile	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Benzene	10	0.70	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromochloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromodichloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromoform	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromomethane	ND	5.0	0.50	ug/L	1	07/30/25	MH	SW8260D
Carbon Disulfide	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chlorobenzene	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloroform	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloromethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/30/25	MH	SW8260D
Dibromochloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Dibromomethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Ethylbenzene	5.9	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	07/30/25	MH	SW8260D
Isopropylbenzene	55	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
m&p-Xylene	2.9	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	12	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Methylene chloride	ND	3.0	1.0	ug/L	1	07/30/25	MH	SW8260D
Naphthalene	21	1.0	1.0	ug/L	1	07/30/25	MH	SW8260D
n-Butylbenzene	9.2	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
n-Propylbenzene	90	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
o-Xylene	1.3	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
sec-Butylbenzene	16	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Styrene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
tert-Butylbenzene	1.5	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Tetrachloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Toluene	1.8	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
Trichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Vinyl chloride	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	1	07/30/25	MH	70 - 130 %
% Bromofluorobenzene	98			%	1	07/30/25	MH	70 - 130 %
% Dibromofluoromethane	100			%	1	07/30/25	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	1	07/30/25	MH	70 - 130 %

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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

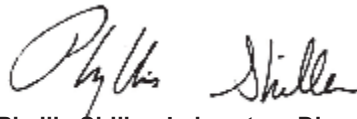
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

August 22, 2025

Reviewed and Released by: Alejandro Paredes, Project Manager



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



Analysis Report

August 22, 2025

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information

Matrix: GROUND WATER
Location Code: AMC-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by: AE
Received by: SR1
Analyzed by: see "By" below

Date

07/25/25
07/29/25

Time

15:18
16:28

Laboratory Data

SDG ID: GCT87274
Phoenix ID: CT87277

Project ID: 3035 WHITE PLAINS ROAD,BX
Client ID: IRMW-7

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	07/30/25	MH	SW8260D
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,4-Trimethylbenzene	1.2	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	07/30/25	MH	SW8260D
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2-Hexanone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Acrolein	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Acrylonitrile	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Benzene	ND	0.70	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromochloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromodichloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromoform	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromomethane	ND	5.0	0.50	ug/L	1	07/30/25	MH	SW8260D
Carbon Disulfide	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chlorobenzene	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloroform	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloromethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/30/25	MH	SW8260D
Dibromochloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Dibromomethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Ethylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	07/30/25	MH	SW8260D
Isopropylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
m&p-Xylene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	4.3	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Methylene chloride	ND	3.0	1.0	ug/L	1	07/30/25	MH	SW8260D
Naphthalene	ND	1.0	1.0	ug/L	1	07/30/25	MH	SW8260D
n-Butylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
n-Propylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
o-Xylene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
sec-Butylbenzene	0.59	J 1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Styrene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Tetrachloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Toluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
Trichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Vinyl chloride	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	105			%	1	07/30/25	MH	70 - 130 %
% Bromofluorobenzene	97			%	1	07/30/25	MH	70 - 130 %
% Dibromofluoromethane	107			%	1	07/30/25	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	1	07/30/25	MH	70 - 130 %

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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

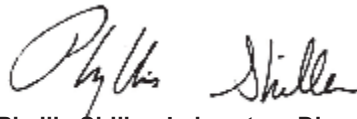
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

August 22, 2025

Reviewed and Released by: Alejandro Paredes, Project Manager



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



Analysis Report

August 22, 2025

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information

Matrix: GROUND WATER
Location Code: AMC-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by: AE
Received by: SR1
Analyzed by: see "By" below

Date

07/25/25
07/29/25

Time

11:30
16:28

Laboratory Data

SDG ID: GCT87274
Phoenix ID: CT87278

Project ID: 3035 WHITE PLAINS ROAD,BX
Client ID: DUPLICATE

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	07/30/25	MH	SW8260D
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	07/30/25	MH	SW8260D
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	07/30/25	MH	SW8260D
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
2-Hexanone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
2-Isopropyltoluene	0.98	J 1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Acrolein	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Acrylonitrile	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Benzene	ND	0.70	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromobenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromochloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromodichloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromoform	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Bromomethane	ND	5.0	0.50	ug/L	1	07/30/25	MH	SW8260D
Carbon Disulfide	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chlorobenzene	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloroethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloroform	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Chloromethane	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/30/25	MH	SW8260D
Dibromochloromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Dibromomethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Ethylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	07/30/25	MH	SW8260D
Isopropylbenzene	1.5	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
m&p-Xylene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	6.1	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Methylene chloride	ND	3.0	1.0	ug/L	1	07/30/25	MH	SW8260D
Naphthalene	ND	1.0	1.0	ug/L	1	07/30/25	MH	SW8260D
n-Butylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
n-Propylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
o-Xylene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
sec-Butylbenzene	2.6	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Styrene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Tetrachloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	07/30/25	MH	SW8260D
Toluene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/30/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	07/30/25	MH	SW8260D
Trichloroethene	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
Vinyl chloride	ND	1.0	0.25	ug/L	1	07/30/25	MH	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	1	07/30/25	MH	70 - 130 %
% Bromofluorobenzene	94			%	1	07/30/25	MH	70 - 130 %
% Dibromofluoromethane	100			%	1	07/30/25	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	96			%	1	07/30/25	MH	70 - 130 %

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.

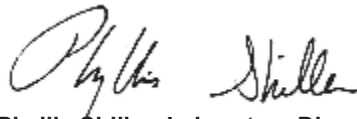
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab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

Comments:

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

August 22, 2025

Reviewed and Released by: Alejandro Paredes, Project Manager



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



Analysis Report

August 22, 2025

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information

Matrix: WATER
Location Code: AMC-ENG
Rush Request: Standard
P.O.#:

Custody Information

Collected by: AE
Received by: SR1
Analyzed by: see "By" below

Date

07/25/25

Time

16:28

Laboratory Data

SDG ID: GCT87274
Phoenix ID: CT87279

Project ID: 3035 WHITE PLAINS ROAD,BX
Client ID: TRIP BLANK

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	07/29/25	MH	SW8260D
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	07/29/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	07/29/25	MH	SW8260D
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	07/29/25	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	07/29/25	MH	SW8260D
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
2-Hexanone	ND	2.5	2.5	ug/L	1	07/29/25	MH	SW8260D
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	07/29/25	MH	SW8260D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	07/29/25	MH	SW8260D
Acrolein	ND	5.0	2.5	ug/L	1	07/29/25	MH	SW8260D
Acrylonitrile	ND	5.0	2.5	ug/L	1	07/29/25	MH	SW8260D
Benzene	ND	0.70	0.25	ug/L	1	07/29/25	MH	SW8260D
Bromobenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Bromochloromethane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Bromodichloromethane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Bromoform	ND	5.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Bromomethane	ND	5.0	0.50	ug/L	1	07/29/25	MH	SW8260D
Carbon Disulfide	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Chlorobenzene	ND	5.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Chloroethane	ND	5.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Chloroform	ND	5.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Chloromethane	ND	5.0	0.25	ug/L	1	07/29/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/29/25	MH	SW8260D
Dibromochloromethane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Dibromomethane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Ethylbenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	07/29/25	MH	SW8260D
Isopropylbenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
m&p-Xylene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	07/29/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Methylene chloride	ND	3.0	1.0	ug/L	1	07/29/25	MH	SW8260D
Naphthalene	ND	1.0	1.0	ug/L	1	07/29/25	MH	SW8260D
n-Butylbenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
n-Propylbenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
o-Xylene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Styrene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Tetrachloroethene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	07/29/25	MH	SW8260D
Toluene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	07/29/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/29/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	07/29/25	MH	SW8260D
Trichloroethene	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
Vinyl chloride	ND	1.0	0.25	ug/L	1	07/29/25	MH	SW8260D
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	1	07/29/25	MH	70 - 130 %
% Bromofluorobenzene	94			%	1	07/29/25	MH	70 - 130 %
% Dibromofluoromethane	110			%	1	07/29/25	MH	70 - 130 %

1

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	07/29/25	MH	70 - 130 %

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.

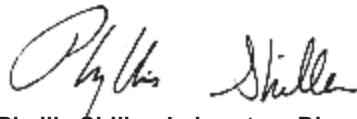
Comments:

TRIP BLANK INCLUDED.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

August 22, 2025

Reviewed and Released by: Alejandro Paredes, Project Manager

VOC Data Section



**QA/QC Review of Method 8260D Volatiles Data
for Phoenix Environmental Laboratories, Inc.
SDG: GCT87274**

**4 Ground Samples, 1 Field Duplicate,
and 1 Trip Blank
Collected July 25, 2025**

Prepared by: Donald Anné
October 8, 2025

Geology
Hydrology
Remediation
Water Supply

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for applicable compounds were above the method minimums, as required.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for applicable compounds were above the method minimums, as required. The %Ds for 1,2,4-trichlorobenzene and 1,2,3-trichlorobenzene were above the method maximum on 07-30-25 (0730_03.D). The %Ds for chloromethane, 1,2,4-trichlorobenzene, and 1,2,3-trichlorobenzene were above the method maximum on 08-05-25 (0805_02.D). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration.

The associated RRFs for target compounds were above the allowable minimum (0.050), as required.

The %Ds for trans-1,4-dichloro-2-butene, 1,2,4-trichlorobenzene, and 1,2,3-trichlorobenzene were above the allowable maximum (20%) on 07-30-25 (0730_03.D). The %Ds for chloromethane, 2,2-dichloropropane, trans-1,4-dichloro-2-butene, 1,2,4-trichlorobenzene, and 1,2,3-trichlorobenzene were above the allowable maximum (20%) on 08-05-25 (0730_02.D). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of the method and trip blanks reported target compounds as not detected.

Internal Standard Area Summary: The applicable internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples and trip blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for tetrahydrofuran and methyl ethyl ketone were above the allowable maximum; 1 or 2 percent recoveries (%Rs) for 5 compounds (highlighted yellow on attached form 3C) were above QC limits; and 1 of 2 %Rs for tetrahydrofuran was below QC limits, but not below 30% for aqueous MS/MSD sample IRMW-11. The “not detected” result for tetrahydrofuran should be considered estimated (UJ) in sample IRMW-11.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum, but 2 of 2 percent recoveries (%Rs) for dichlorodifluoromethane were above QC limits for aqueous sample CT86902 LCS. One of two %Rs for styrene and 1,2,3-trichlorobenzene were above QC limits for aqueous sample CT87274 LCS. The RPDs for target compounds were below the allowable maximum, but 2 of 2 %Rs for 1,2,3-trichlorobenzene were above QC limits for aqueous sample CT87275 LCS. Positive results for these compounds should be considered estimated, biased high (J+) in associated aqueous samples.

The RPDs for methylene chloride, 4-methyl-2-pentanone, and 2-hexanone were above the allowable maximum for aqueous sample CT87274 LCS. Positive results for these compounds should be considered estimated (J) in associated aqueous samples.

One of two %Rs for 5 compounds (highlighted yellow on attached form 3C) were below QC limits, but not below 30% for aqueous sample CT87274 LCS. Positive results for these compounds should be considered estimated, biased low (J-) and “not detected” results estimated (UJ) in associated aqueous samples.

Field Duplicates: The relative percent differences for applicable compounds were below the allowable maximum (20%) for aqueous field duplicate pair IRMW-11/DUPLICATE (attached table), as required.

Compound ID: Checked compound and surrogate results were within quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCT87274

LCS Spike - Client Id: CT86902 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
Dichlorodifluoromethane	20	0.0	26.46	132 *	70	130
Chloromethane	20	0.0	19.13	96	70	130
Vinyl Chloride	20	0.0	21.12	106	70	130
Bromomethane	20	0.0	20.39	102	70	130
Chloroethane	20	0.0	21.96	110	70	130
Trichlorofluoromethane	20	0.0	20.84	104	70	130
1,1-Dichloroethene	20	0.0	20.06	100	70	130
Trichlorotrifluoroethane	20	0.0	20.03	100	70	130
Carbon Disulfide	20	0.0	21.48	107	70	130
Acrolein	100	0.0	88.48	88	70	130
Methylene Chloride	20	0.0	19.86	99	70	130
Acetone	20	0.0	17.68	88	70	130
Trans-1,2-Dichloroethene	20	0.0	19.44	97	70	130
Methyl t-Butyl Ether (MTBE)	20	0.0	20.42	102	70	130
1,1-Dichloroethane	20	0.0	20.43	102	70	130
Acrylonitrile	20	0.0	20.81	104	70	130
Cis-1,2-Dichloroethene	20	0.0	18.12	91	70	130
2,2-Dichloropropane	20	0.0	21.22	106	70	130
Bromochloromethane	20	0.0	20.94	105	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	20	26.99	135 *	2.2	30	70 130
Chloromethane	20	19.48	97	1.0	30	70 130
Vinyl Chloride	20	21.23	106	0.0	30	70 130
Bromomethane	20	19.91	100	2.0	30	70 130
Chloroethane	20	21.63	108	1.8	30	70 130
Trichlorofluoromethane	20	21.14	106	1.9	30	70 130
1,1-Dichloroethene	20	19.56	98	2.0	30	70 130
Trichlorotrifluoroethane	20	20.14	101	1.0	30	70 130
Carbon Disulfide	20	21.83	109	1.9	30	70 130
Acrolein	100	94.09	94	6.6	30	70 130
Methylene Chloride	20	19.64	98	1.0	30	70 130
Acetone	20	17.96	90	2.2	30	70 130
Trans-1,2-Dichloroethene	20	19.35	97	0.0	30	70 130
Methyl t-Butyl Ether (MTBE)	20	20.46	102	0.0	30	70 130
1,1-Dichloroethane	20	20.34	102	0.0	30	70 130
Acrylonitrile	20	20.24	101	2.9	30	70 130
Cis-1,2-Dichloroethene	20	18.37	92	1.1	30	70 130
2,2-Dichloropropane	20	21.75	109	2.8	30	70 130
Bromochloromethane	20	20.72	104	1.0	30	70 130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCT87274

LCS Spike - Client Id: CT86902 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
Chloroform	20	0.0	19.66	98	70	130
Carbon Tetrachloride	20	0.0	20.25	101	70	130
Tetrahydrofuran (THF)	50	0.0	45.43	91	70	130
1,1,1-Trichloroethane	20	0.0	20.34	102	70	130
Methyl Ethyl Ketone	20	0.0	19.31	97	70	130
1,1-Dichloropropene	20	0.0	19.52	98	70	130
Benzene	20	0.0	19.70	99	70	130
1,2-Dichloroethane	20	0.0	19.71	99	70	130
Trichloroethene	20	0.0	20.68	103	70	130
Dibromomethane	20	0.0	19.85	99	70	130
1,2-dichloropropane	20	0.0	19.46	97	70	130
Bromodichloromethane	20	0.0	20.85	104	70	130
cis-1,3-Dichloropropene	20	0.0	20.64	103	70	130
Toluene	20	0.0	19.85	99	70	130
4-Methyl-2-Pentanone	20	0.0	18.23	91	70	130
Tetrachloroethene	20	0.0	20.28	101	70	130
trans-1,3-Dichloropropene	20	0.0	20.95	105	70	130
1,1,2-Trichloroethane	20	0.0	19.49	97	70	130
Dibromochloromethane	20	0.0	21.52	108	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
Chloroform	20	20.18	101	3.0	30	70 130
Carbon Tetrachloride	20	20.21	101	0.0	30	70 130
Tetrahydrofuran (THF)	50	47.14	94	3.2	30	70 130
1,1,1-Trichloroethane	20	20.48	102	0.0	30	70 130
Methyl Ethyl Ketone	20	19.49	97	0.0	30	70 130
1,1-Dichloropropene	20	19.97	100	2.0	30	70 130
Benzene	20	20.04	100	1.0	30	70 130
1,2-Dichloroethane	20	20.03	100	1.0	30	70 130
Trichloroethene	20	20.70	103	0.0	30	70 130
Dibromomethane	20	20.04	100	1.0	30	70 130
1,2-dichloropropane	20	19.42	97	0.0	30	70 130
Bromodichloromethane	20	20.73	104	0.0	30	70 130
cis-1,3-Dichloropropene	20	21.02	105	1.9	30	70 130
Toluene	20	19.89	99	0.0	30	70 130
4-Methyl-2-Pentanone	20	18.47	92	1.1	30	70 130
Tetrachloroethene	20	20.17	101	0.0	30	70 130
trans-1,3-Dichloropropene	20	21.11	106	0.9	30	70 130
1,1,2-Trichloroethane	20	19.72	99	2.0	30	70 130
Dibromochloromethane	20	21.75	109	0.9	30	70 130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCT87274

LCS Spike - Client Id: CT86902 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.		
1,3-Dichloropropane	20	0.0	20.66	103	70	130	
1,2-Dibromoethane	20	0.0	20.42	102	70	130	
2-Hexanone	20	0.0	17.90	89	70	130	
Chlorobenzene	20	0.0	20.17	101	70	130	
Ethylbenzene	20	0.0	20.03	100	70	130	
1,1,1,2-Tetrachloroethane	20	0.0	20.44	102	70	130	
m&p-Xylene	40	0.0	40.63	102	70	130	
o-Xylene	20	0.0	20.38	102	70	130	
Styrene	20	0.0	20.64	103	70	130	
Bromoform	20	0.0	20.96	105	70	130	
Isopropylbenzene	20	0.0	20.66	103	70	130	
Bromobenzene	20	0.0	19.89	99	70	130	
n-Propylbenzene	20	0.0	20.22	101	70	130	
1,1,2,2-Tetrachloroethane	20	0.0	19.53	98	70	130	
2-Chlorotoluene	20	0.0	19.78	99	70	130	
1,3,5-Trimethylbenzene	20	0.0	20.23	101	70	130	
1,2,3-Trichloropropane	20	0.0	18.58	93	70	130	
trans-1,4-Dichloro-2-butene	100	0.0	103.7	104	70	130	
4-Chlorotoluene	20	0.0	19.92	100	70	130	
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS		
					RPD	REC.	
1,3-Dichloropropane	20	20.66	103	0.0	30	70	130
1,2-Dibromoethane	20	20.82	104	1.9	30	70	130
2-Hexanone	20	18.36	92	3.3	30	70	130
Chlorobenzene	20	20.44	102	1.0	30	70	130
Ethylbenzene	20	20.19	101	1.0	30	70	130
1,1,1,2-Tetrachloroethane	20	20.75	104	1.9	30	70	130
m&p-Xylene	40	41.42	104	1.9	30	70	130
o-Xylene	20	21.06	105	2.9	30	70	130
Styrene	20	21.03	105	1.9	30	70	130
Bromoform	20	21.32	107	1.9	30	70	130
Isopropylbenzene	20	21.07	105	1.9	30	70	130
Bromobenzene	20	20.46	102	3.0	30	70	130
n-Propylbenzene	20	20.64	103	2.0	30	70	130
1,1,2,2-Tetrachloroethane	20	20.02	100	2.0	30	70	130
2-Chlorotoluene	20	20.21	101	2.0	30	70	130
1,3,5-Trimethylbenzene	20	20.81	104	2.9	30	70	130
1,2,3-Trichloropropane	20	19.13	96	3.2	30	70	130
trans-1,4-Dichloro-2-butene	100	105.0	105	1.0	30	70	130
4-Chlorotoluene	20	20.69	103	3.0	30	70	130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCT87274

LCS Spike - Client Id: CT86902 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
tert-Butylbenzene	20	0.0	20.06	100	70	130
1,2,4-Trimethylbenzene	20	0.0	20.77	104	70	130
sec-Butylbenzene	20	0.0	19.98	100	70	130
p-Isopropyltoluene	20	0.0	20.39	102	70	130
1,3-Dichlorobenzene	20	0.0	20.24	101	70	130
1,4-Dichlorobenzene	20	0.0	20.04	100	70	130
2-Isopropyltoluene	20	0.0	20.65	103	70	130
n-Butylbenzene	20	0.0	20.05	100	70	130
1,2-Dichlorobenzene	20	0.0	20.32	102	70	130
1,2-Dibromo-3-Chloropropane	20	0.0	19.86	99	70	130
Hexachlorobutadiene	20	0.0	19.91	100	70	130
1,2,4-Trichlorobenzene	20	0.0	21.29	106	70	130
Naphthalene	20	0.0	17.87	89	70	130
1,2,3-Trichlorobenzene	20	0.0	20.95	105	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
tert-Butylbenzene	20	20.61	103	3.0	30	70 130
1,2,4-Trimethylbenzene	20	21.01	105	1.0	30	70 130
sec-Butylbenzene	20	20.62	103	3.0	30	70 130
p-Isopropyltoluene	20	20.99	105	2.9	30	70 130
1,3-Dichlorobenzene	20	20.68	103	2.0	30	70 130
1,4-Dichlorobenzene	20	20.28	101	1.0	30	70 130
2-Isopropyltoluene	20	20.96	105	1.9	30	70 130
n-Butylbenzene	20	20.66	103	3.0	30	70 130
1,2-Dichlorobenzene	20	20.57	103	1.0	30	70 130
1,2-Dibromo-3-Chloropropane	20	20.49	102	3.0	30	70 130
Hexachlorobutadiene	20	20.87	104	3.9	30	70 130
1,2,4-Trichlorobenzene	20	22.07	110	3.7	30	70 130
Naphthalene	20	18.32	92	3.3	30	70 130
1,2,3-Trichlorobenzene	20	21.34	107	1.9	30	70 130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCT87274

LCS Spike - Client Id: CT87274 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
Dichlorodifluoromethane	20	0.0	19.97	100	70	130
Chloromethane	20	0.0	12.54	63 *	70	130
Vinyl Chloride	20	0.0	21.42	107	70	130
Bromomethane	20	0.0	15.68	78	70	130
Chloroethane	20	0.0	25.91	130	70	130
Trichlorofluoromethane	20	0.0	14.77	74	70	130
1,1-Dichloroethene	20	0.0	16.51	83	70	130
Trichlorotrifluoroethane	20	0.0	15.75	79	70	130
Carbon Disulfide	20	0.0	18.23	91	70	130
Acrolein	100	0.0	75.76	76	70	130
Methylene Chloride	20	0.0	25.83	129	70	130
Acetone	20	0.0	16.13	81	70	130
Trans-1,2-Dichloroethene	20	0.0	16.90	84	70	130
Methyl t-Butyl Ether (MTBE)	20	0.0	14.98	75	70	130
1,1-Dichloroethane	20	0.0	15.91	80	70	130
Acrylonitrile	20	0.0	18.34	92	70	130
Cis-1,2-Dichloroethene	20	0.0	19.51	98	70	130
2,2-Dichloropropane	20	0.0	15.58	78	70	130
Bromochloromethane	20	0.0	17.19	86	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	20	17.22	86	15.1	30	70 130
Chloromethane	20	15.10	76	18.7	30	70 130
Vinyl Chloride	20	18.40	92	15.1	30	70 130
Bromomethane	20	17.28	86	9.8	30	70 130
Chloroethane	20	19.58	98	28.1	30	70 130
Trichlorofluoromethane	20	17.80	89	18.4	30	70 130
1,1-Dichloroethene	20	18.95	95	13.5	30	70 130
Trichlorotrifluoroethane	20	19.34	97	20.5	30	70 130
Carbon Disulfide	20	20.31	102	11.4	30	70 130
Acrolein	100	73.41	73	4.0	30	70 130
Methylene Chloride	20	18.01	90	35.6 *	30	70 130
Acetone	20	13.67	68 *	17.4	30	70 130
Trans-1,2-Dichloroethene	20	18.21	91	8.0	30	70 130
Methyl t-Butyl Ether (MTBE)	20	16.31	82	8.9	30	70 130
1,1-Dichloroethane	20	17.60	88	9.5	30	70 130
Acrylonitrile	20	16.38	82	11.5	30	70 130
Cis-1,2-Dichloroethene	20	21.02	105	6.9	30	70 130
2,2-Dichloropropane	20	19.40	97	21.7	30	70 130
Bromochloromethane	20	18.85	94	8.9	30	70 130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCT87274

LCS Spike - Client Id: CT87274 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.		
Chloroform	20	0.0	15.52	78	70	130	
Carbon Tetrachloride	20	0.0	15.46	77	70	130	
Tetrahydrofuran (THF)	50	0.0	37.58	75	70	130	
1,1,1-Trichloroethane	20	0.0	15.01	75	70	130	
Methyl Ethyl Ketone	20	0.0	15.13	76	70	130	
1,1-Dichloropropene	20	0.0	18.22	91	70	130	
Benzene	20	0.0	19.69	98	70	130	
1,2-Dichloroethane	20	0.0	15.48	77	70	130	
Trichloroethene	20	0.0	19.43	97	70	130	
Dibromomethane	20	0.0	17.36	87	70	130	
1,2-dichloropropane	20	0.0	17.34	87	70	130	
Bromodichloromethane	20	0.0	16.73	84	70	130	
cis-1,3-Dichloropropene	20	0.0	18.94	95	70	130	
Toluene	20	0.0	24.39	122	70	130	
4-Methyl-2-Pentanone	20	0.0	23.70	119	70	130	
Tetrachloroethene	20	0.0	21.79	109	70	130	
trans-1,3-Dichloropropene	20	0.0	19.27	96	70	130	
1,1,2-Trichloroethane	20	0.0	17.43	87	70	130	
Dibromochloromethane	20	0.0	14.33	72	70	130	
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	#	QC LIMITS	
						RPD	REC.
Chloroform	20	17.55	88	12.0	30	70	130
Carbon Tetrachloride	20	17.12	86	11.0	30	70	130
Tetrahydrofuran (THF)	50	34.94	70	6.9	30	70	130
1,1,1-Trichloroethane	20	17.23	86	13.7	30	70	130
Methyl Ethyl Ketone	20	14.78	74	2.7	30	70	130
1,1-Dichloropropene	20	18.78	94	3.2	30	70	130
Benzene	20	19.11	96	2.1	30	70	130
1,2-Dichloroethane	20	15.71	79	2.6	30	70	130
Trichloroethene	20	19.64	98	1.0	30	70	130
Dibromomethane	20	17.40	87	0.0	30	70	130
1,2-dichloropropane	20	17.98	90	3.4	30	70	130
Bromodichloromethane	20	18.02	90	6.9	30	70	130
cis-1,3-Dichloropropene	20	19.08	95	0.0	30	70	130
Toluene	20	18.95	95	24.9	30	70	130
4-Methyl-2-Pentanone	20	13.78	69 *	53.2 *	30	70	130
Tetrachloroethene	20	19.31	97	11.7	30	70	130
trans-1,3-Dichloropropene	20	18.09	90	6.5	30	70	130
1,1,2-Trichloroethane	20	17.93	90	3.4	30	70	130
Dibromochloromethane	20	18.76	94	26.5	30	70	130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCT87274

LCS Spike - Client Id: CT87274 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
1,3-Dichloropropane	20	0.0	14.65	73	70	130
1,2-Dibromoethane	20	0.0	15.04	75	70	130
2-Hexanone	20	0.0	20.50	102	70	130
Chlorobenzene	20	0.0	20.35	102	70	130
Ethylbenzene	20	0.0	23.38	117	70	130
1,1,1,2-Tetrachloroethane	20	0.0	15.23	76	70	130
m&p-Xylene	40	0.0	50.92	127	70	130
o-Xylene	20	0.0	26.05	130	70	130
Styrene	20	0.0	26.66	133 *	70	130
Bromoform	20	0.0	15.45	77	70	130
Isopropylbenzene	20	0.0	20.77	104	70	130
Bromobenzene	20	0.0	18.28	91	70	130
n-Propylbenzene	20	0.0	20.93	105	70	130
1,1,2,2-Tetrachloroethane	20	0.0	14.01	70	70	130
2-Chlorotoluene	20	0.0	20.06	100	70	130
1,3,5-Trimethylbenzene	20	0.0	21.50	108	70	130
1,2,3-Trichloropropane	20	0.0	13.62	68 *	70	130
trans-1,4-Dichloro-2-butene	100	0.0	92.86	93	70	130
4-Chlorotoluene	20	0.0	20.85	104	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
1,3-Dichloropropane	20	18.31	92	23.0	30	70 130
1,2-Dibromoethane	20	17.98	90	18.2	30	70 130
2-Hexanone	20	13.76	69 *	38.6 *	30	70 130
Chlorobenzene	20	18.89	94	8.2	30	70 130
Ethylbenzene	20	19.18	96	19.7	30	70 130
1,1,1,2-Tetrachloroethane	20	18.53	93	20.1	30	70 130
m&p-Xylene	40	38.77	97	26.8	30	70 130
o-Xylene	20	19.97	100	26.1	30	70 130
Styrene	20	19.85	99	29.3	30	70 130
Bromoform	20	18.59	93	18.8	30	70 130
Isopropylbenzene	20	20.44	102	1.9	30	70 130
Bromobenzene	20	19.26	96	5.3	30	70 130
n-Propylbenzene	20	20.47	102	2.9	30	70 130
1,1,2,2-Tetrachloroethane	20	17.99	90	25.0	30	70 130
2-Chlorotoluene	20	19.56	98	2.0	30	70 130
1,3,5-Trimethylbenzene	20	19.59	98	9.7	30	70 130
1,2,3-Trichloropropane	20	17.03	85	22.2	30	70 130
trans-1,4-Dichloro-2-butene	100	96.53	97	4.2	30	70 130
4-Chlorotoluene	20	19.83	99	4.9	30	70 130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCT87274

LCS Spike - Client Id: CT87274 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
tert-Butylbenzene	20	0.0	21.34	107	70	130
sec-Butylbenzene	20	0.0	21.83	109	70	130
p-Isopropyltoluene	20	0.0	22.31	112	70	130
1,3-Dichlorobenzene	20	0.0	20.93	105	70	130
1,4-Dichlorobenzene	20	0.0	20.55	103	70	130
2-Isopropyltoluene	20	0.0	22.18	111	70	130
n-Butylbenzene	20	0.0	21.96	110	70	130
1,2-Dichlorobenzene	20	0.0	20.72	104	70	130
1,2-Dibromo-3-Chloropropane	20	0.0	20.07	100	70	130
Hexachlorobutadiene	20	0.0	21.44	107	70	130
1,2,4-Trichlorobenzene	20	0.0	25.12	126	70	130
Naphthalene	20	0.0	23.74	119	70	130
1,2,3-Trichlorobenzene	20	0.0	26.47	132 *	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
tert-Butylbenzene	20	19.47	97	9.8	30	70 130
sec-Butylbenzene	20	19.84	99	9.6	30	70 130
p-Isopropyltoluene	20	19.74	99	12.3	30	70 130
1,3-Dichlorobenzene	20	19.48	97	7.9	30	70 130
1,4-Dichlorobenzene	20	19.28	96	7.0	30	70 130
2-Isopropyltoluene	20	19.65	98	12.4	30	70 130
n-Butylbenzene	20	19.66	98	11.5	30	70 130
1,2-Dichlorobenzene	20	19.44	97	7.0	30	70 130
1,2-Dibromo-3-Chloropropane	20	16.76	84	17.4	30	70 130
Hexachlorobutadiene	20	20.88	104	2.8	30	70 130
1,2,4-Trichlorobenzene	20	21.92	110	13.6	30	70 130
Naphthalene	20	18.79	94	23.5	30	70 130
1,2,3-Trichlorobenzene	20	23.75	119	10.4	30	70 130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCT87274

LCS Spike - Client Id: CT87275 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
Dichlorodifluoromethane	20	0.0	23.47	117	70	130
Chloromethane	20	0.0	17.44	87	70	130
Vinyl Chloride	20	0.0	21.25	106	70	130
Bromomethane	20	0.0	21.30	106	70	130
Chloroethane	20	0.0	21.86	109	70	130
Trichlorofluoromethane	20	0.0	21.30	106	70	130
1,1-Dichloroethene	20	0.0	19.80	99	70	130
Trichlorotrifluoroethane	20	0.0	20.73	104	70	130
Carbon Disulfide	20	0.0	21.52	108	70	130
Acrolein	100	0.0	96.30	96	70	130
Methylene Chloride	20	0.0	19.62	98	70	130
Acetone	20	0.0	17.30	87	70	130
Trans-1,2-Dichloroethene	20	0.0	19.63	98	70	130
Methyl t-Butyl Ether (MTBE)	20	0.0	19.83	99	70	130
1,1-Dichloroethane	20	0.0	20.37	102	70	130
Acrylonitrile	20	0.0	20.33	102	70	130
Cis-1,2-Dichloroethene	20	0.0	22.16	111	70	130
2,2-Dichloropropane	20	0.0	21.07	105	70	130
Bromochloromethane	20	0.0	19.71	99	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	20	23.94	120	2.5	30	70 130
Chloromethane	20	17.98	90	3.4	30	70 130
Vinyl Chloride	20	21.30	106	0.0	30	70 130
Bromomethane	20	21.48	107	0.9	30	70 130
Chloroethane	20	22.39	112	2.7	30	70 130
Trichlorofluoromethane	20	20.92	105	0.9	30	70 130
1,1-Dichloroethene	20	20.56	103	4.0	30	70 130
Trichlorotrifluoroethane	20	20.61	103	1.0	30	70 130
Carbon Disulfide	20	21.61	108	0.0	30	70 130
Acrolein	100	96.00	96	0.0	30	70 130
Methylene Chloride	20	19.41	97	1.0	30	70 130
Acetone	20	18.79	94	7.7	30	70 130
Trans-1,2-Dichloroethene	20	20.46	102	4.0	30	70 130
Methyl t-Butyl Ether (MTBE)	20	20.16	101	2.0	30	70 130
1,1-Dichloroethane	20	20.31	102	0.0	30	70 130
Acrylonitrile	20	20.57	103	1.0	30	70 130
Cis-1,2-Dichloroethene	20	19.79	99	11.4	30	70 130
2,2-Dichloropropane	20	21.85	109	3.7	30	70 130
Bromochloromethane	20	20.37	102	3.0	30	70 130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCT87274

LCS Spike - Client Id: CT87275 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
Chloroform	20	0.0	19.18	96	70	130
Carbon Tetrachloride	20	0.0	20.16	101	70	130
Tetrahydrofuran (THF)	50	0.0	45.20	90	70	130
1,1,1-Trichloroethane	20	0.0	19.89	99	70	130
Methyl Ethyl Ketone	20	0.0	18.29	91	70	130
1,1-Dichloropropene	20	0.0	19.93	100	70	130
Benzene	20	0.0	19.70	99	70	130
1,2-Dichloroethane	20	0.0	19.76	99	70	130
Trichloroethene	20	0.0	20.16	101	70	130
Dibromomethane	20	0.0	20.13	101	70	130
1,2-dichloropropane	20	0.0	19.43	97	70	130
Bromodichloromethane	20	0.0	20.66	103	70	130
cis-1,3-Dichloropropene	20	0.0	20.55	103	70	130
Toluene	20	0.0	19.59	98	70	130
4-Methyl-2-Pentanone	20	0.0	17.90	89	70	130
Tetrachloroethene	20	0.0	20.17	101	70	130
trans-1,3-Dichloropropene	20	0.0	21.02	105	70	130
1,1,2-Trichloroethane	20	0.0	19.80	99	70	130
Dibromochloromethane	20	0.0	21.60	108	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
Chloroform	20	19.68	98	2.1	30	70 130
Carbon Tetrachloride	20	19.97	100	1.0	30	70 130
Tetrahydrofuran (THF)	50	43.85	88	2.2	30	70 130
1,1,1-Trichloroethane	20	20.18	101	2.0	30	70 130
Methyl Ethyl Ketone	20	18.48	92	1.1	30	70 130
1,1-Dichloropropene	20	20.30	101	1.0	30	70 130
Benzene	20	19.61	98	1.0	30	70 130
1,2-Dichloroethane	20	19.27	96	3.1	30	70 130
Trichloroethene	20	20.53	103	2.0	30	70 130
Dibromomethane	20	19.47	97	4.0	30	70 130
1,2-dichloropropane	20	19.26	96	1.0	30	70 130
Bromodichloromethane	20	20.09	100	3.0	30	70 130
cis-1,3-Dichloropropene	20	20.47	102	1.0	30	70 130
Toluene	20	19.75	99	1.0	30	70 130
4-Methyl-2-Pentanone	20	17.71	89	0.0	30	70 130
Tetrachloroethene	20	20.08	100	1.0	30	70 130
trans-1,3-Dichloropropene	20	20.86	104	1.0	30	70 130
1,1,2-Trichloroethane	20	19.61	98	1.0	30	70 130
Dibromochloromethane	20	21.44	107	0.9	30	70 130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCT87274

LCS Spike - Client Id: CT87275 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.		
1,3-Dichloropropane	20	0.0	20.64	103	70	130	
1,2-Dibromoethane	20	0.0	20.72	104	70	130	
2-Hexanone	20	0.0	17.35	87	70	130	
Chlorobenzene	20	0.0	20.05	100	70	130	
Ethylbenzene	20	0.0	20.09	100	70	130	
1,1,1,2-Tetrachloroethane	20	0.0	20.70	103	70	130	
m&p-Xylene	40	0.0	41.35	103	70	130	
o-Xylene	20	0.0	21.28	106	70	130	
Styrene	20	0.0	20.96	105	70	130	
Bromoform	20	0.0	21.74	109	70	130	
Isopropylbenzene	20	0.0	20.67	103	70	130	
Bromobenzene	20	0.0	20.26	101	70	130	
n-Propylbenzene	20	0.0	20.82	104	70	130	
1,1,2,2-Tetrachloroethane	20	0.0	20.02	100	70	130	
2-Chlorotoluene	20	0.0	20.16	101	70	130	
1,3,5-Trimethylbenzene	20	0.0	21.26	106	70	130	
1,2,3-Trichloropropane	20	0.0	19.31	97	70	130	
trans-1,4-Dichloro-2-butene	100	0.0	119.6	120	70	130	
4-Chlorotoluene	20	0.0	20.62	103	70	130	
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	#	QC LIMITS	
						RPD	REC.
1,3-Dichloropropane	20	20.40	102	1.0	30	70	130
1,2-Dibromoethane	20	20.24	101	2.9	30	70	130
2-Hexanone	20	17.25	86	1.2	30	70	130
Chlorobenzene	20	19.94	100	0.0	30	70	130
Ethylbenzene	20	20.28	101	1.0	30	70	130
1,1,1,2-Tetrachloroethane	20	20.73	104	1.0	30	70	130
m&p-Xylene	40	41.06	103	0.0	30	70	130
o-Xylene	20	21.21	106	0.0	30	70	130
Styrene	20	20.58	103	1.9	30	70	130
Bromoform	20	21.30	106	2.8	30	70	130
Isopropylbenzene	20	21.04	105	1.9	30	70	130
Bromobenzene	20	20.53	103	2.0	30	70	130
n-Propylbenzene	20	21.00	105	1.0	30	70	130
1,1,2,2-Tetrachloroethane	20	19.74	99	1.0	30	70	130
2-Chlorotoluene	20	20.49	102	1.0	30	70	130
1,3,5-Trimethylbenzene	20	20.79	104	1.9	30	70	130
1,2,3-Trichloropropane	20	20.75	104	7.0	30	70	130
trans-1,4-Dichloro-2-butene	100	117.7	118	1.7	30	70	130
4-Chlorotoluene	20	20.41	102	1.0	30	70	130

FORM III VOA

3C
WATER VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCT87274

LCS Spike - Client Id: CT87275 LCS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	LCS CONCENTRATION ug/L	LCS % REC #	QC. LIMITS REC.	
tert-Butylbenzene	20	0.0	21.04	105	70	130
1,2,4-Trimethylbenzene	20	0.0	21.07	105	70	130
sec-Butylbenzene	20	0.0	21.18	106	70	130
p-Isopropyltoluene	20	0.0	21.18	106	70	130
1,3-Dichlorobenzene	20	0.0	20.86	104	70	130
1,4-Dichlorobenzene	20	0.0	20.85	104	70	130
2-Isopropyltoluene	20	0.0	21.34	107	70	130
n-Butylbenzene	20	0.0	21.13	106	70	130
1,2-Dichlorobenzene	20	0.0	21.08	105	70	130
1,2-Dibromo-3-Chloropropane	20	0.0	22.19	111	70	130
Hexachlorobutadiene	20	0.0	22.31	112	70	130
1,2,4-Trichlorobenzene	20	0.0	25.14	126	70	130
Naphthalene	20	0.0	23.29	116	70	130
1,2,3-Trichlorobenzene	20	0.0	27.81	139 *	70	130
COMPOUND	SPIKE ADDED ug/L	LCSD CONCENTRATION ug/L	LCSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
tert-Butylbenzene	20	20.58	103	1.9	30	70 130
1,2,4-Trimethylbenzene	20	20.83	104	1.0	30	70 130
sec-Butylbenzene	20	20.98	105	0.9	30	70 130
p-Isopropyltoluene	20	21.17	106	0.0	30	70 130
1,3-Dichlorobenzene	20	20.51	103	1.0	30	70 130
1,4-Dichlorobenzene	20	20.72	104	0.0	30	70 130
2-Isopropyltoluene	20	21.20	106	0.9	30	70 130
n-Butylbenzene	20	20.76	104	1.9	30	70 130
1,2-Dichlorobenzene	20	21.09	105	0.0	30	70 130
1,2-Dibromo-3-Chloropropane	20	21.25	106	4.6	30	70 130
Hexachlorobutadiene	20	21.80	109	2.7	30	70 130
1,2,4-Trichlorobenzene	20	25.06	125	0.8	30	70 130
Naphthalene	20	22.83	114	1.7	30	70 130
1,2,3-Trichlorobenzene	20	27.55	138 *	0.7	30	70 130

FORM III VOA

WATER VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: AMC-ENGLab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCT87274Matrix Spike - Client Id: CT87275 / IRMW-11 MS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	MS CONCENTRATION ug/L	MS % REC #	QC. LIMITS REC.		
Dichlorodifluoromethane	20.00	0.0	24.79	124	70	130	
Chloromethane	20.00	0.0	17.65	88	70	130	
Vinyl Chloride	20.00	0.0	21.35	107	70	130	
Bromomethane	20.00	0.0	16.61	83	70	130	
Chloroethane	20.00	0.0	23.07	115	70	130	
Trichlorofluoromethane	20.00	0.0	22.65	113	70	130	
1,1-Dichloroethene	20.00	0.0	20.78	104	59	172	
Trichlorotrifluoroethane	20.00	0.0	20.86	104	70	130	
Carbon Disulfide	20.00	0.0	21.49	107	70	130	
Acrolein	100.0	0.0	93.31	93	70	130	
Methylene Chloride	20.00	0.0	19.42	97	70	130	
Acetone	20.00	0.0	26.69	133 *	70	130	
Trans-1,2-Dichloroethene	20.00	0.0	20.04	100	70	130	
Methyl t-Butyl Ether (MTBE)	20.00	6.7	26.97	101	70	130	
1,1-Dichloroethane	20.00	0.0	20.33	102	70	130	
Acrylonitrile	20.00	0.0	21.15	106	70	130	
Cis-1,2-Dichloroethene	20.00	0.0	18.85	94	70	130	
2,2-Dichloropropane	20.00	0.0	16.17	81	70	130	
Bromochloromethane	20.00	0.0	16.61	83	70	130	
COMPOUND	SPIKE ADDED ug/L	MSD CONCENTRATION ug/L	MSD % REC #	% RPD	#	QC LIMITS	
						RPD	REC.
Dichlorodifluoromethane	20.00	25.25	126	1.6	30	70	130
Chloromethane	20.00	19.51	98	10.8	30	70	130
Vinyl Chloride	20.00	23.59	118	9.8	30	70	130
Bromomethane	20.00	20.70	103	21.5	30	70	130
Chloroethane	20.00	23.26	116	0.9	30	70	130
Trichlorofluoromethane	20.00	23.38	117	3.5	30	70	130
1,1-Dichloroethene	20.00	22.55	113	8.3	30	59	172
Trichlorotrifluoroethane	20.00	21.97	110	5.6	30	70	130
Carbon Disulfide	20.00	23.07	115	7.2	30	70	130
Acrolein	100.0	100.0	100	7.3	30	70	130
Methylene Chloride	20.00	20.78	104	7.0	30	70	130
Acetone	20.00	23.45	117	12.8	30	70	130
Trans-1,2-Dichloroethene	20.00	21.56	108	7.7	30	70	130
Methyl t-Butyl Ether (MTBE)	20.00	28.13	107	5.8	30	70	130
1,1-Dichloroethane	20.00	20.76	104	1.9	30	70	130
Acrylonitrile	20.00	23.21	116	9.0	30	70	130
Cis-1,2-Dichloroethene	20.00	18.88	94	0.0	30	70	130
2,2-Dichloropropane	20.00	16.81	84	3.6	30	70	130
Bromochloromethane	20.00	18.48	92	10.3	30	70	130

FORM III VOA

WATER VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: AMC-ENGLab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCT87274Matrix Spike - Client Id: CT87275 / IRMW-11 MS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	MS CONCENTRATION ug/L	MS % REC #	QC. LIMITS REC.	
Chloroform	20.00	0.0	16.88	84	70	130
Carbon Tetrachloride	20.00	0.0	17.93	90	70	130
Tetrahydrofuran (THF)	50.00	0.0	28.99	58 *	70	130
1,1,1-Trichloroethane	20.00	0.0	17.65	88	70	130
Methyl Ethyl Ketone	20.00	0.0	14.02	70	70	130
1,1-Dichloropropene	20.00	0.0	18.75	94	70	130
Benzene	20.00	0.0	20.45	102	66	142
1,2-Dichloroethane	20.00	0.0	20.01	100	70	130
Trichloroethene	20.00	0.0	21.46	107	62	137
Dibromomethane	20.00	0.0	20.42	102	70	130
1,2-dichloropropane	20.00	0.0	20.22	101	70	130
Bromodichloromethane	20.00	0.0	21.00	105	70	130
cis-1,3-Dichloropropene	20.00	0.0	19.95	100	70	130
Toluene	20.00	0.0	20.96	105	59	139
4-Methyl-2-Pentanone	20.00	0.0	20.57	103	70	130
Tetrachloroethene	20.00	0.0	21.33	107	70	130
trans-1,3-Dichloropropene	20.00	0.0	21.11	106	70	130
1,1,2-Trichloroethane	20.00	0.0	20.73	104	70	130
Dibromochloromethane	20.00	0.0	21.38	107	70	130
COMPOUND	SPIKE ADDED ug/L	MSD CONCENTRATION ug/L	MSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
Chloroform	20.00	20.89	104	21.3	30	70 130
Carbon Tetrachloride	20.00	22.58	113	22.7	30	70 130
Tetrahydrofuran (THF)	50.00	53.79	108	60.2 *	30	70 130
1,1,1-Trichloroethane	20.00	22.28	111	23.1	30	70 130
Methyl Ethyl Ketone	20.00	21.77	109	43.6 *	30	70 130
1,1-Dichloropropene	20.00	21.98	110	15.7	30	70 130
Benzene	20.00	21.70	109	6.6	30	66 142
1,2-Dichloroethane	20.00	20.85	104	3.9	30	70 130
Trichloroethene	20.00	22.07	110	2.8	30	62 137
Dibromomethane	20.00	21.43	107	4.8	30	70 130
1,2-dichloropropane	20.00	21.04	105	3.9	30	70 130
Bromodichloromethane	20.00	21.53	108	2.8	30	70 130
cis-1,3-Dichloropropene	20.00	21.10	105	4.9	30	70 130
Toluene	20.00	21.87	109	3.7	30	59 139
4-Methyl-2-Pentanone	20.00	22.11	111	7.5	30	70 130
Tetrachloroethene	20.00	22.71	114	6.3	30	70 130
trans-1,3-Dichloropropene	20.00	21.63	108	1.9	30	70 130
1,1,2-Trichloroethane	20.00	21.46	107	2.8	30	70 130
Dibromochloromethane	20.00	22.65	113	5.5	30	70 130

FORM III VOA

WATER VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: AMC-ENGLab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCT87274Matrix Spike - Client Id: CT87275 / IRMW-11 MS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	MS CONCENTRATION ug/L	MS % REC #	QC. LIMITS REC.		
1,3-Dichloropropane	20.00	0.0	21.29	106	70	130	
1,2-Dibromoethane	20.00	0.0	21.20	106	70	130	
2-Hexanone	20.00	0.0	19.89	99	70	130	
Chlorobenzene	20.00	0.0	20.61	103	60	133	
Ethylbenzene	20.00	0.0	21.05	105	70	130	
1,1,1,2-Tetrachloroethane	20.00	0.0	21.24	106	70	130	
m&p-Xylene	40.00	0.0	42.62	107	70	130	
o-Xylene	20.00	0.0	21.86	109	70	130	
Styrene	20.00	0.0	21.37	107	70	130	
Bromoform	20.00	0.0	22.09	110	70	130	
Isopropylbenzene	20.00	1.6	23.01	107	70	130	
Bromobenzene	20.00	0.0	20.69	103	70	130	
n-Propylbenzene	20.00	0.0	21.76	109	70	130	
1,1,2,2-Tetrachloroethane	20.00	0.0	21.47	107	70	130	
2-Chlorotoluene	20.00	0.0	20.68	103	70	130	
1,3,5-Trimethylbenzene	20.00	0.0	21.28	106	70	130	
1,2,3-Trichloropropane	20.00	0.0	19.89	99	70	130	
trans-1,4-Dichloro-2-butene	100.0	0.0	108.5	108	70	130	
4-Chlorotoluene	20.00	0.0	21.07	105	70	130	
COMPOUND	SPIKE ADDED ug/L	MSD CONCENTRATION ug/L	MSD % REC #	% RPD	#	QC LIMITS	
						RPD	REC.
1,3-Dichloropropane	20.00	22.04	110	3.7	30	70	130
1,2-Dibromoethane	20.00	22.23	111	4.6	30	70	130
2-Hexanone	20.00	21.67	108	8.7	30	70	130
Chlorobenzene	20.00	21.78	109	5.7	30	60	133
Ethylbenzene	20.00	22.01	110	4.7	30	70	130
1,1,1,2-Tetrachloroethane	20.00	22.24	111	4.6	30	70	130
m&p-Xylene	40.00	45.17	113	5.5	30	70	130
o-Xylene	20.00	23.42	117	7.1	30	70	130
Styrene	20.00	22.47	112	4.6	30	70	130
Bromoform	20.00	23.40	117	6.2	30	70	130
Isopropylbenzene	20.00	25.52	120	11.5	30	70	130
Bromobenzene	20.00	22.34	112	8.4	30	70	130
n-Propylbenzene	20.00	23.82	119	8.8	30	70	130
1,1,2,2-Tetrachloroethane	20.00	23.53	118	9.8	30	70	130
2-Chlorotoluene	20.00	22.36	112	8.4	30	70	130
1,3,5-Trimethylbenzene	20.00	23.25	116	9.0	30	70	130
1,2,3-Trichloropropane	20.00	21.81	109	9.6	30	70	130
trans-1,4-Dichloro-2-butene	100.0	123.3	123	13.0	30	70	130
4-Chlorotoluene	20.00	22.62	113	7.3	30	70	130

FORM III VOA

WATER VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: AMC-ENGLab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCT87274Matrix Spike - Client Id: CT87275 / IRMW-11 MS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	MS CONCENTRATION ug/L	MS % REC #	QC. LIMITS REC.	
tert-Butylbenzene	20.00	0.54	21.91	107	70	130
1,2,4-Trimethylbenzene	20.00	0.0	21.69	108	70	130
sec-Butylbenzene	20.00	3.0	24.00	105	70	130
p-Isopropyltoluene	20.00	0.0	21.94	110	70	130
1,3-Dichlorobenzene	20.00	0.0	21.03	105	70	130
1,4-Dichlorobenzene	20.00	0.0	20.71	104	70	130
2-Isopropyltoluene	20.00	1.1	23.52	112	70	130
n-Butylbenzene	20.00	0.0	21.40	107	70	130
1,2-Dichlorobenzene	20.00	0.0	21.03	105	70	130
1,2-Dibromo-3-Chloropropane	20.00	0.0	24.07	120	70	130
Hexachlorobutadiene	20.00	0.0	22.26	111	70	130
1,2,4-Trichlorobenzene	20.00	0.0	26.89	134 *	70	130
Naphthalene	20.00	0.0	27.61	138 *	70	130
1,2,3-Trichlorobenzene	20.00	0.0	29.92	150 *	70	130
COMPOUND	SPIKE ADDED ug/L	MSD CONCENTRATION ug/L	MSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
tert-Butylbenzene	20.00	23.96	117	8.9	30	70 130
1,2,4-Trimethylbenzene	20.00	23.43	117	8.0	30	70 130
sec-Butylbenzene	20.00	26.37	117	10.8	30	70 130
p-Isopropyltoluene	20.00	23.94	120	8.7	30	70 130
1,3-Dichlorobenzene	20.00	22.56	113	7.3	30	70 130
1,4-Dichlorobenzene	20.00	22.33	112	7.4	30	70 130
2-Isopropyltoluene	20.00	25.58	122	8.5	30	70 130
n-Butylbenzene	20.00	23.47	117	8.9	30	70 130
1,2-Dichlorobenzene	20.00	22.60	113	7.3	30	70 130
1,2-Dibromo-3-Chloropropane	20.00	28.38	142 *	16.8	30	70 130
Hexachlorobutadiene	20.00	24.02	120	7.8	30	70 130
1,2,4-Trichlorobenzene	20.00	29.51	148 *	9.9	30	70 130
Naphthalene	20.00	31.06	155 *	11.6	30	70 130
1,2,3-Trichlorobenzene	20.00	32.02	160 *	6.5	30	70 130

FORM III VOA

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCT87274

Instrument: CHEM23 Calibration Date: 07/30/25 Time: 08:16

Lab File Id: 0730_03.D Init. Calib. Date(s): 07/25/25 07/25/25

Heated Purge (Y/N): N Init. Calib. Times: 13:29 15:16

GC Column: RTX-VMS Method File: VOA23_072525.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
Pentafluorobenzene (IS Area/Area%)	473907	464211	n.a.	98.0	50-200
1,4-Difluorobenzene (IS Area/Area%)	702859	670455	n.a.	95.4	50-200
Chlorobenzene-d5 (IS Area/Area%)	622558	600312	n.a.	96.4	50-200
1,4-Dichlorobenzene-d4 (IS Area/Area%)	381644	363828	n.a.	95.3	50-200
1,4-Dioxane d8 (IS Area/Area%)	30113	21633	n.a.	71.8	n.a.
Dichlorodifluoromethane	0.652	0.594	0.010	8.9	20 (60)
Chloromethane	0.914	0.738	0.010	19.3	20 (60)
Vinyl Chloride	0.609	0.605	0.010	0.7	20 (40)
Bromomethane	0.250	0.247	0.010	1.2	20 (60)
Chloroethane	0.217	0.232	0.010	-6.9	20 (40)
Trichlorofluoromethane	0.773	0.781	0.010	-1.0	20 (40)
1,1-Dichloroethene	0.357	0.360	0.060	-0.8	20 (40)
Trichlorotrifluoroethane	0.318	0.325	0.050	-2.2	20 (40)
Carbon Disulfide	0.942	1.019	0.100	-8.2	20 (40)
Acrolein	0.061	0.065	0.050	-6.6	20 (40)
Methylene Chloride	0.413	0.407	0.010	1.5	20 (40)
Acetone	0.103	0.093	0.010	9.7	20 (60)
Trans-1,2-Dichloroethene	0.403	0.404	0.100	-0.2	20 (40)
Methyl t-Butyl Ether (MTBE)	1.099	1.142	0.100	-3.9	20 (40)
1,1-Dichloroethane	0.812	0.821	0.300	-1.1	20 (40)
Acrylonitrile	0.129	0.137	0.050	-6.2	20 (40)
Cis-1,2-Dichloroethene	0.471	0.422	0.200	10.4	20 (40)
2,2-Dichloropropane	0.774	0.724	0.050	6.5	20 (40)
Bromochloromethane	0.235	0.220	0.100	6.4	20 (40)
Chloroform	1.076	1.044	0.300	3.0	20 (40)
Carbon Tetrachloride	0.758	0.739	0.100	2.5	20 (40)
Tetrahydrofuran (THF)	0.151	0.134	0.050	11.3	20 (40)
1,1,1-Trichloroethane	0.945	0.936	0.050	1.0	20 (40)
Methyl Ethyl Ketone	0.228	0.213	0.010	6.6	20 (60)
1,1-Dichloropropene	0.512	0.519	0.050	-1.4	20 (40)
Benzene	1.326	1.312	0.200	1.1	20 (40)
1,2-Dichloroethane	0.591	0.584	0.070	1.2	20 (40)
Trichloroethene	0.333	0.343	0.200	-3.0	20 (40)
Dibromomethane	0.222	0.220	0.050	0.9	20 (40)
1,2-dichloropropane	0.393	0.384	0.200	2.3	20 (40)

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCT87274

Instrument: CHEM23 Calibration Date: 07/30/25 Time: 08:16

Lab File Id: 0730_03.D Init. Calib. Date(s): 07/25/25 07/25/25

Heated Purge (Y/N): N Init. Calib. Times: 13:29 15:16

GC Column: RTX-VMS Method File: VOA23_072525.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
Bromodichloromethane	0.501	0.519	0.300	-3.6	20 (40)
cis-1,3-Dichloropropene	0.543	0.576	0.300	-6.1	20 (40)
Toluene	0.822	0.811	0.300	1.3	20 (40)
4-Methyl-2-Pentanone	0.346	0.320	0.030	7.5	20 (60)
Tetrachloroethene	0.298	0.308	0.100	-3.4	20 (40)
trans-1,3-Dichloropropene	0.501	0.540	0.300	-7.8	20 (40)
1,1,2-Trichloroethane	0.297	0.292	0.200	1.7	20 (40)
Dibromochloromethane	0.365	0.396	0.200	-8.5	20 (40)
1,3-Dichloropropane	0.570	0.591	0.050	-3.7	20 (40)
1,2-Dibromoethane	0.354	0.359	0.200	-1.4	20 (40)
2-Hexanone	0.258	0.232	0.010	10.1	20 (60)
Chlorobenzene	0.932	0.947	0.400	-1.6	20 (40)
Ethylbenzene	0.531	0.542	0.400	-2.1	20 (40)
1,1,1,2-Tetrachloroethane	0.350	0.363	0.050	-3.7	20 (40)
m&p-Xylene	0.638	0.661	0.200	-3.6	20 (40)
o-Xylene	0.588	0.616	0.200	-4.8	20 (40)
Styrene	0.993	1.041	0.200	-4.8	20 (40)
Bromoform	0.239	0.263	0.100	-10.0	20 (40)
Isopropylbenzene	0.667	0.705	0.400	-5.7	20 (40)
Bromobenzene	0.709	0.729	0.050	-2.8	20 (40)
n-Propylbenzene	0.696	0.718	0.050	-3.2	20 (40)
1,1,2,2-Tetrachloroethane	0.705	0.713	0.200	-1.1	20 (40)
2-Chlorotoluene	0.606	0.622	0.050	-2.6	20 (40)
1,3,5-Trimethylbenzene	2.352	2.469	0.050	-5.0	20 (40)
1,2,3-Trichloropropane	0.622	0.583	0.050	6.3	20 (40)
trans-1,4-Dichloro-2-butene	0.196	0.236	0.050	-20.4 +	20 (40)
4-Chlorotoluene	0.629	0.647	0.050	-2.9	20 (40)
tert-Butylbenzene	1.909	1.986	0.050	-4.0	20 (40)
1,2,4-Trimethylbenzene	2.340	2.489	0.050	-6.4	20 (40)
sec-Butylbenzene	2.938	3.096	0.050	-5.4	20 (40)
p-Isopropyltoluene	2.391	2.568	0.050	-7.4	20 (40)
1,3-Dichlorobenzene	1.279	1.333	0.500	-4.2	20 (40)
1,4-Dichlorobenzene	1.285	1.331	0.600	-3.6	20 (40)
2-Isopropyltoluene	2.295	2.401	0.050	-4.6	20 (40)
n-Butylbenzene	2.312	2.421	0.050	-4.7	20 (40)

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

7B

Lab Name:	Phoenix Environmental Labs		Client:	AMC-ENG	
Lab Code:	Phoenix	Case No.:	SAS No.:	SDG No.:	GCT87274
Instrument:	CHEM23		Calibration Date:	07/30/25	Time: 08:16
Lab File Id:	0730_03.D		Init. Calib. Date(s):	07/25/25	07/25/25
Heated Purge (Y/N):	N		Init. Calib. Times:	13:29	15:16
GC Column:	RTX-VMS		Method File:	VOA23_072525.M	

[illegible]

(*) Recommended RRF not met (+) %D exceeds criteria (#) %D exceeds (maximum) criteria
 %D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
 (l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2
 Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCT87274

Instrument: CHEM23 Calibration Date: 08/05/25 Time: 08:20

Lab File Id: 0805_02.D Init. Calib. Date(s): 07/25/25 07/25/25

Heated Purge (Y/N): N Init. Calib. Times: 13:29 15:16

GC Column: RTX-VMS Method File: VOA23_072525.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
Pentafluorobenzene (IS Area/Area%)	473907	530427	n.a.	111.9	50-200
1,4-Difluorobenzene (IS Area/Area%)	702859	779107	n.a.	110.8	50-200
Chlorobenzene-d5 (IS Area/Area%)	622558	712400	n.a.	114.4	50-200
1,4-Dichlorobenzene-d4 (IS Area/Area%)	381644	412231	n.a.	108.0	50-200
1,4-Dioxane d8 (IS Area/Area%)	30113	23546	n.a.	78.2	n.a.
Dichlorodifluoromethane	0.652	0.592	0.010	9.2	20 (60)
Chloromethane	0.914	0.711	0.010	22.2 +	20 (60)
Vinyl Chloride	0.609	0.592	0.010	2.8	20 (40)
Bromomethane	0.250	0.218	0.010	12.8	20 (60)
Chloroethane	0.217	0.218	0.010	-0.5	20 (40)
Trichlorofluoromethane	0.773	0.686	0.010	11.3	20 (40)
1,1-Dichloroethene	0.357	0.345	0.060	3.4	20 (40)
Trichlorotrifluoroethane	0.318	0.309	0.050	2.8	20 (40)
Carbon Disulfide	0.942	0.993	0.100	-5.4	20 (40)
Acrolein	0.061	0.061	0.050	0.0	20 (40)
Methylene Chloride	0.413	0.396	0.010	4.1	20 (40)
Acetone	0.103	0.085	0.010	17.5	20 (60)
Trans-1,2-Dichloroethene	0.403	0.387	0.100	4.0	20 (40)
Methyl t-Butyl Ether (MTBE)	1.099	1.046	0.100	4.8	20 (40)
1,1-Dichloroethane	0.812	0.751	0.300	7.5	20 (40)
Acrylonitrile	0.129	0.137	0.050	-6.2	20 (40)
Cis-1,2-Dichloroethene	0.471	0.400	0.200	15.1	20 (40)
2,2-Dichloropropane	0.774	0.609	0.050	21.3 +	20 (40)
Bromochloromethane	0.235	0.188	0.100	20.0	20 (40)
Chloroform	1.076	0.914	0.300	15.1	20 (40)
Carbon Tetrachloride	0.758	0.683	0.100	9.9	20 (40)
Tetrahydrofuran (THF)	0.151	0.137	0.050	9.3	20 (40)
1,1,1-Trichloroethane	0.945	0.844	0.050	10.7	20 (40)
Methyl Ethyl Ketone	0.228	0.212	0.010	7.0	20 (60)
1,1-Dichloropropene	0.512	0.498	0.050	2.7	20 (40)
Benzene	1.326	1.374	0.200	-3.6	20 (40)
1,2-Dichloroethane	0.591	0.506	0.070	14.4	20 (40)
Trichloroethene	0.333	0.345	0.200	-3.6	20 (40)
Dibromomethane	0.222	0.217	0.050	2.3	20 (40)
1,2-dichloropropane	0.393	0.382	0.200	2.8	20 (40)

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCT87274

Instrument: CHEM23 Calibration Date: 08/05/25 Time: 08:20

Lab File Id: 0805_02.D Init. Calib. Date(s): 07/25/25 07/25/25

Heated Purge (Y/N): N Init. Calib. Times: 13:29 15:16

GC Column: RTX-VMS Method File: VOA23_072525.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
Bromodichloromethane	0.501	0.476	0.300	5.0	20 (40)
cis-1,3-Dichloropropene	0.543	0.547	0.300	-0.7	20 (40)
Toluene	0.822	0.843	0.300	-2.6	20 (40)
4-Methyl-2-Pentanone	0.346	0.312	0.030	9.8	20 (60)
Tetrachloroethene	0.298	0.304	0.100	-2.0	20 (40)
trans-1,3-Dichloropropene	0.501	0.500	0.300	0.2	20 (40)
1,1,2-Trichloroethane	0.297	0.303	0.200	-2.0	20 (40)
Dibromochloromethane	0.365	0.369	0.200	-1.1	20 (40)
1,3-Dichloropropane	0.570	0.581	0.050	-1.9	20 (40)
1,2-Dibromoethane	0.354	0.359	0.200	-1.4	20 (40)
2-Hexanone	0.258	0.232	0.010	10.1	20 (60)
Chlorobenzene	0.932	0.939	0.400	-0.8	20 (40)
Ethylbenzene	0.531	0.537	0.400	-1.1	20 (40)
1,1,1,2-Tetrachloroethane	0.350	0.339	0.050	3.1	20 (40)
m&p-Xylene	0.638	0.658	0.200	-3.1	20 (40)
o-Xylene	0.588	0.620	0.200	-5.4	20 (40)
Styrene	0.993	1.074	0.200	-8.2	20 (40)
Bromoform	0.239	0.253	0.100	-5.9	20 (40)
Isopropylbenzene	0.667	0.705	0.400	-5.7	20 (40)
Bromobenzene	0.709	0.742	0.050	-4.7	20 (40)
n-Propylbenzene	0.696	0.734	0.050	-5.5	20 (40)
1,1,2,2-Tetrachloroethane	0.705	0.765	0.200	-8.5	20 (40)
2-Chlorotoluene	0.606	0.630	0.050	-4.0	20 (40)
1,3,5-Trimethylbenzene	2.352	2.366	0.050	-0.6	20 (40)
1,2,3-Trichloropropane	0.622	0.682	0.050	-9.6	20 (40)
trans-1,4-Dichloro-2-butene	0.196	0.240	0.050	-22.4 +	20 (40)
4-Chlorotoluene	0.629	0.654	0.050	-4.0	20 (40)
tert-Butylbenzene	1.909	1.949	0.050	-2.1	20 (40)
1,2,4-Trimethylbenzene	2.340	2.432	0.050	-3.9	20 (40)
sec-Butylbenzene	2.938	3.039	0.050	-3.4	20 (40)
p-Isopropyltoluene	2.391	2.479	0.050	-3.7	20 (40)
1,3-Dichlorobenzene	1.279	1.308	0.500	-2.3	20 (40)
1,4-Dichlorobenzene	1.285	1.316	0.600	-2.4	20 (40)
2-Isopropyltoluene	2.295	2.350	0.050	-2.4	20 (40)
n-Butylbenzene	2.312	2.324	0.050	-0.5	20 (40)

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2

Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

7B

Lab Name:	Phoenix Environmental Labs		Client:	AMC-ENG	
Lab Code:	Phoenix	Case No.:		SAS No.:	SDG No.: GCT87274
Instrument:	CHEM23		Calibration Date:	08/05/25	Time: 08:20
Lab File Id:	0805_02.D		Init. Calib. Date(s):	07/25/25	07/25/25
Heated Purge (Y/N):	N		Init. Calib. Times:	13:29	15:16
GC Column:	RTX-VMS		Method File:	VOA23_072525.M	

[illegible]

(*) Recommended RRF not met (+) %D exceeds criteria (#) %D exceeds (maximum) criteria
 %D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
 (l) linear (li) linear inv conc wgt (li2) linear inv conc wgt^2 (q) quadratic (qi) quadratic inv conc wgt (qi2) quadratic inv conc wgt^2
 Compounds not using average response (l, li, li2, q, qi, qi2) display concentrations and not response factors

Field Duplicate Calculation Section

Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. GCT87274

S1= IRMW-11

S2= DUPLICATE

<u>Analyte</u>	<u>S1</u>	<u>S2</u>	<u>RPD (%)</u>
2-Isopropyltoluene	1.1	0.98	NC
Isopropylbenzene	1.6	1.5	6%
Methyl t-butyl ether (MTBE)	6.7	6.1	9%
sec-Butylbenzene	3	2.6	14%
tert-Butylbenzene	0.54	ND	NC

* RPD is above the allowable maximum 20%.

Results are in units of ug/L.

Bold numbers were values that are below the CRQL.

ND - Not detected.

NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.