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

June 30, 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 second quarter of 2025. In accordance with the Site Management Plan (SMP), a round of groundwater sampling was performed on April 24, 2025 for 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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FORMER DICO G AUTO & TRUCK REPAIR

NYSDEC BCP Number C203039
Project Status Report
2nd Quarter 2025

TABLE OF CONTENTS:

TABLES

GRAPHS

FIGURES

APPENDICES

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Reporting Summary

Report Date: June 30, 2025

Reporting Period: 2nd 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: April 24th, 2025 – Groundwater sampling events performed on one off-site monitoring well, IRMW-14.

Collected depth to water reading from well IRMW-14.

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.

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 7th, 2024)

Reporting Frequency: Groundwater Sampling Report (Quarterly)

Groundwater Depth: ~15.37 ft below grade (total well depth is approximately 19.5 ft)

GW Flow Direction: GW flow direction assumed to be N-NW based on data obtained from 3Q24 GW survey and top of casing measurements taken in July 2024.

Monitoring Results: No product was detected in IRMW-14.

Sampling Results: Petroleum related VOCs decreased in IRMW-14 this quarter, and these levels are much lower than original concentrations in 2010.

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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 22, 2013 and Chemical Oxidant Injections were last performed on September 1, 2013.

Slow-Release Filter Socks

A Remedial Systems Optimization (RSO) work plan was submitted to the Department on March 19, 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.

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 15.37 ft below grade. As previously noted, no Liquid Phase Hydrocarbons (LPH) were detected in IRMW-14 during this quarter.

Groundwater Sampling

The 2Q25 groundwater sampling event was performed on April 24, 2025. The groundwater samples were collected from 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 1**. These results are compared to previous sampling events in **Table 2**. The total VOCs obtained in this sampling event has been charted in **Graph 1**. The BTEX concentrations, total chlorinated VOC concentrations, and total VOCs for the quarter are plotted in **Figure 3** in red, green, and black respectively.

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Groundwater Sampling Results

IRMW-14 – Total VOC concentrations have shown a decrease from 1644.40 µg/L to 1500.15 µg/L since the 1Q25 sampling event. Total BTEX have shown a decrease from 1060.00 µg/L to 866.00 µg/L. 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)**, 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
3035 White Plains Road, Bronx, NY
Groundwater Sample Results
2nd Quarter 2025 - April 2025

COMPOUND	NYSDEC Ambient Water Quality Standards	IRMW-14	Duplicate	Trip Blank
		4/24/2025	4/24/2025	4/24/2025
	µg/L	Result	Result	Result
1,1,1,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	5	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	1	< 1.0	< 1.0	< 1.0
1,1,2-Trichlorotrifluoroethane	5			
1,1-Dichloroethane	5	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	5	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	5	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene		< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	0.04	**< 0.25**	**< 0.25**	**< 0.25**
1,2,4-Trichlorobenzene		< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	5	**360**	**360**	< 1.0
1,2-Dibromo-3-Chloropropane	0.04	**< 0.50**	**< 0.50**	**< 0.50**
1,2-Dibromoethane	0.0006	**< 0.25**	**< 0.25**	**< 0.25**
1,2-Dichlorobenzene	5	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	0.6	< 0.60	< 0.60	< 0.60
1,2-Dichloroethylene (Total)				
1,2-Dichloropropane	1	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	5	**21**	**25**	< 1.0
1,3-Dichlorobenzene		< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	5	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	5	< 1.0	< 1.0	< 1.0
1,4-dioxane				
2,2-Dichloropropane	5	< 1.0	< 1.0	< 1.0
2-Butanone				
2-Chlorotoluene	5	< 1.0	< 1.0	< 1.0
2-Hexanone		< 2.5	< 2.5	< 2.5
2-Isopropyltoluene	5	1.2	1.4	< 1.0
4-Chlorotoluene	5	< 1.0	< 1.0	< 1.0
4-Methyl-2-Pentanone		< 2.5	< 2.5	< 2.5
Acetone		< 5.0	< 5.0	< 5.0
Acrolein	5	< 5.0	< 5.0	< 5.0
Acrylonitrile	5	< 5.0	< 5.0	< 5.0
Benzene	1	**22**	**25**	< 0.70
Bromobenzene	5	< 1.0	< 1.0	< 1.0
Bromochloromethane	5	< 1.0	< 1.0	< 1.0
Bromodichloromethane		< 1.0	< 1.0	< 1.0
Bromoform		< 5.0	< 5.0	< 5.0
Bromomethane	5	< 5.0	< 5.0	< 5.0
Carbon Disulfide	60	< 1.0	< 1.0	< 1.0
Carbon Tetrachloride	5	< 1.0	< 1.0	< 1.0
Chlorobenzene	5	< 5.0	< 5.0	< 5.0
Chloroethane	5	< 5.0	< 5.0	< 5.0
Chloroform	7	< 5.0	< 5.0	< 5.0
Chloromethane	60	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	5	0.35	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 0.40	< 0.40	< 0.40
Cyclohexane				
Dibromochloromethane	5	< 1.0	< 1.0	< 1.0
Dibromomethane	5	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	5	< 1.0	< 1.0	< 1.0
Ethyl Benzene	5	**300**	**300**	< 1.0
Hexachlorobutadiene	0.5	< 0.50	< 0.50	< 0.50
Isopropylbenzene	5	**22**	**27**	< 1.0
m/p-Xylenes	10	390	380	< 1.0
Methyl Acetate				
Methyl Cyclohexane				
Methyl ethyl ketone		< 2.5	< 2.5	< 2.5
Methyl tert-butyl Ether	10	4	4.2	< 1.0
Methylene Chloride	5	< 3.0	< 3.0	< 3.0
Naphthalene	10	**160**	**170**	< 1.0
n-Butylbenzene	5	**5.5**	**6.8**	< 1.0
n-Propylbenzene	5	**53**	**64**	< 1.0
o-Xylene	5	**120**	**120**	< 1.0
p-Isopropyltoluene		2.1	2.1	< 1.0
sec-Butylbenzene	5	3.9	4.7	< 1.0
Styrene	5	< 1.0	< 1.0	< 1.0
t-1,3-Dichloropropene	0.4			
Tert-butyl alcohol				
tert-Butylbenzene	5	< 1.0	< 1.0	< 1.0
Tetrachloroethene	5	< 1.0	< 1.0	< 1.0
Tetrahydrofuran (THF)		< 5.0	< 5.0	< 5.0
Toluene	5	**34**	**38**	< 1.0
trans-1,2-Dichloroethene	5	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	0.4	< 0.40	< 0.40	< 0.40
trans-1,4-dichloro-2-butene	5	< 2.5	< 2.5	< 2.5
Trichloroethene	5	1.1	< 1.0	< 1.0
Trichlorofluoromethane	5	< 1.0	< 1.0	< 1.0
Trichlorotrifluoroethane		< 1.0	< 1.0	< 1.0
Vinyl Acetate				
Vinyl Chloride	2	< 1.0	< 1.0	< 1.0
Total BTEX Concentration		**866.00**	**863.00**	**0.00**
Total Chroinated VOC Concentrations		**1.45**	**0.00**	**0.00**
Total VOCs		**1500.15**	**1528.20**	**0.00**

Notes:

Bold- Indicated RL exceeds NYCDEC Groundwater Standard

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 2
3035 White Plains Road, Bronx, NY
Volatile Organic Compounds
IRMW-14

COMPOUND	NYSDEC Ambient Water Quality Standards µg/L	IRMW-14 6/4/2010 Result	10/1/2010 Result	12/15/2010 Result	3/29/2011 Result	7/29/2011 Result	9/28/2011 Result	12/12/2011 Result	3/29/2012 Result	6/29/2012 Result	10/31/2012 Result	1/29/2013 Result	3/29/2013 Result	6/3/2013 Result	9/19/2013 Result	11/4/2013 Result	11/30/2013 Result
1,1,1,2-Tetrachloroethane	5	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	**1.6**	ND	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	5	NR	NR	NR	NR	NR	NR	NR	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	NS	NS	ND	ND	1.2	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR
1,1-Dichloroethylene		ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloropropylene		ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene		ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene		ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	**4,700**	NS	NS	**2,000**	**1,800**	ND	**1,200**	NS	**1,100**	**860**	**600**	**790**	**1,400**	**1,800**	**99**	**1,000**
1,2-Dibromo-3-Chloropropane	0.04	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	**31**	ND	ND	ND	ND	ND
1,2-Dibromoethane		ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	NS	NS	ND	ND	**14**	**29**	NS	ND	ND	**13**	ND	ND	ND	ND	ND
1,2-Dichloroethylene (Total)		ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	**1,100**	NS	NS	**470**	**430**	ND	**330**	NS	**250**	**200**	**160**	**150**	**320**	**460**	ND	**150**
1,3-Dichlorobenzene		ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dioxane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	5	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone		NR	NR	NR	NR	NR	NR	NR	NS	150	280	52	32	220	130	100	21
2-Chlorotoluene	5	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	100	ND	ND	ND	ND	ND
2-Hexanone		NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR
2-Isopropyltoluene	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	5	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	**34**	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone		NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR
Acetone		NR	NR	NR	NR	NR	NR	NR	NS	11	420	80	38	570	230	140	37
Acrolein	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	1	**1,000**	NS	NS	**1,200**	**690**	**220**	**710**	NS	**680**	**280**	**400**	**130**	**620**	**930**	**230**	**170**
Bromobenzene	5	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	**17**	ND	ND	ND	ND	ND
Bromochloromethane	5	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	1.7	ND	ND	ND	ND	ND
Bromoform		ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5	ND	NS	NS	ND	ND	**7.2**	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	60	NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Tetrachloride	5	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	NS	NS	ND	ND	0.85	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	NS	NS	ND	ND	**23**	ND	NS	**23**	ND	2.8	ND	ND	ND	ND	ND
Chloroform	7	ND	NS	NS	ND	ND	1.3	ND	NS	ND	ND	2.5	ND	ND	ND	ND	ND
Chloromethane	60	ND	NS	NS	ND	ND	**110**	**110**	NS	ND	**45**	3.3	ND	ND	ND	ND	2.9
cis-1,2-Dichloroethene	5	NR	NR	NR	NR	NR	NR	NR	NS	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene		ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane		NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR
Dibromochloromethane	5	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	5	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5	**3,300**	NS	NS	**1,600**	**1,200**	ND	**1,100**	NS	**1,000**	**570**	**530**	**480**	**920**	**1,000**	**200**	**300**
Hexachlorobutadiene	0.5	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	**170**	NS	NS	**74**	**64**	ND	**53**	NS	**38**	**28**	**46**	**17**	ND	**50**	ND	**13**
m/p-Xylenes	10	**11,000**	NS	NS	**6,000**	**67**	**68**	**3,100**	NS	**3,500**	**2700**	**1,600**	**1,700**	**3,600**	**4,000**	**320**	**1,400**
Methyl Acetate		NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR
Methyl Cyclohexane		NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR
Methyl ethyl ketone		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl Ether	10	ND	NS	NS	**66**	**13**	**20**	**100**	NS	**150**	**100**	**53**	**41**	ND	**110**	**39**	**26**
Methylene Chloride	5	**260**	NS	NS	**5.1**	**510**	**36**	**60**	NS	**8.2**	ND	ND	ND	**460**	ND	ND	ND
Naphthalene	10	**910**	NS	NS	**610**	**36**	ND	**470**	NS	**410**	**310**	**200**	**180**	**460**	**500**	**350**	**170**
n-Butylbenzene	5	**210**	NS	NS	**41**	**150**	ND	**25**	NS	ND	ND	**29**	ND	ND	ND	ND	ND
n-Propylbenzene	5	**500**	NS	NS	**160**	**530**	ND	**130**	NS	**94**	**63**	**110**	**43**	ND	**110**	**27**	**30**
o-Xylene	5	**4,100**	NS	NS	**2,000**	**3,900**	ND	**1,100**	NS	**690**	**580**	**480**	**530**	**940**	**980**	**110**	**360**
p-Isopropyltoluene		ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	5.6	2.9	ND	ND	ND	**2.6**
sec-Butylbenzene	5	ND	NS	NS	ND	**9.9**	ND	ND	NS	ND	ND	**8.0**	ND	ND	ND	ND	**3.2**
Styrene	5	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	**18**	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	0.4	NR	NR	NR	NR	NR	NR	NR	NS	ND	ND	ND	ND	ND	ND	ND	ND
Tert-butyl alcohol		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	5	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	**73**	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrahydrofuran (THF)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	5	**7,900**	NS	NS	**3,800**	**810**	0.96	**1,300**	NS	**980**	**580**	**600**	**640**	**1,600**	**1,500**	**320**	**590**
trans-1,2-Dichloroethene	5	NR	NR	NR	NR	NR	NR	NR	NS	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropylene		ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-dichloro-2-butene	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	5	ND	NS	NS	ND	ND	ND	**8.2**	NS	ND	ND	**7.8**	ND	ND	ND	ND	ND
Trichloroethylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	5	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	2	ND	NS	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND
Total BTEX Concentration		**27,300.00**	**0.00**	**0.00**	**14,600.00**	**6,667**	**288.96**	**7,310.00**	**0.00**	**6,850.00**	**4,710.00**	**3,610.00**	**3,480.00**	**7,680.00**	**8,410.00**	**1,180.00**	**2,820**
Total Chlorinated VOC Concentration		**260.00**	**0.00**	**0.00**	**5.10**	**510.00**	**186.35**	**207.20**	**0.00**	**31.20**	**45.00**	**163.70**	**0.00**	**460.00**	**0.00**	**0.00**	**2.90**
Total VOCs		**35,150.00**	**0.00**	**0.00**	**18,026.10**	**10,209.90**	**502.51**	**9,825.20**	**0.00**	**9,084.20**	**7,016.00**	**5,259.30**	**4,773.90**	**11,110.00**	**11,800.00**	**1,935.00**	**4,275.70**

COMPOUND	IRMW-14 12/22/2013 Result	1/30/2014 Result	9/21/2016 Result	12/30/2016 Result	3/24/2017 Result	6/27/2017 Result	9/19/2017 Result	12/12/2017 Result	3/21/2018 Result	6/18/2018 Result	9/17/2018 Result	12/12/2018 Result
1,1,1,2-Tetrachloroethane	ND	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
1,1,1-Trichloroethane	ND	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	ND	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	ND	ND	< 5.0	< 2.5	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
1,1,2-Trichlorotrifluoroethane	ND	ND	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ND	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	NR	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
1,1-Dichloroethylene	ND	ND	-			-		-	-	-	-	-
1,1-Dichloropropene	-	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
1,1-Dichloropropylene	ND	ND	-			-		-	-	-	-	-
1,2,3-Trichlorobenzene	ND	ND	< 20	< 10	< 20	< 20	< 20	< 20	-	< 20	< 20	< 20
1,2,3-Trichloropropane	ND	ND	< 20	< 2.5	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
1,2,4-Trichlorobenzene	ND	ND	< 20	< 10	< 20	< 20	< 20	< 20	-	< 20	< 20	< 20
1,2,4-Trimethylbenzene	**360**	**1100**	**2,300**	**2,400**	**3,300**	**2,900**	**1,000**	**1,700**	-	**2,600**	**2,500**	**2,500**
1,2-Dibromo-3-Chloropropane	ND	ND	< 20	< 5.0	< 10	< 10	< 10	< 10	-	< 10	< 10	< 10
1,2-Dibromoethane	ND	ND	< 20	< 2.5	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
1,2-Dichlorobenzene	ND	ND	< 5.0	< 4.7	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	ND	ND	< 10	< 5.0	< 10	< 10	< 10	< 10	-	< 10	< 10	< 10
1,2-Dichloroethylene (Total)	ND	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ND	ND	< 5.0	< 2.5	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
1,3,5-Trimethylbenzene	**28**	**290**	**310**	**630**	**850**	**730**	**270**	**570**	-	**690**	**500**	**570**
1,3-Dichlorobenzene	ND	ND	< 5.0	< 3.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
1,3-Dichloropropane	ND	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	ND	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
1,4-dioxane	-	-	-	-	-	-	-	-	-	< 2000	< 2000	< 2000
2,2-Dichloropropane	ND	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
2-Butanone	ND	ND	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	ND	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
2-Hexanone	NR	-	< 50	< 25	< 50	< 50	< 50	< 5.0	-	< 50	< 5.0	< 50
2-Isopropyltoluene	-	-	< 5.0	3.9	< 5.0	5	< 5.0	< 50	-	< 5.0	< 50	< 5.0
4-Chlorotoluene	ND	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
4-Methyl-2-Pentanone	NR	-	< 50	< 25	< 50	< 50	< 50	< 50	-	< 50	< 50	< 50
Acetone	ND	490	200	95	77	< 50	66	< 50	-	< 50	< 50	< 50
Acrolein	-	-	< 50	< 25	< 50	< 50	< 50	< 50	-	< 50	< 50	< 50
Acrylonitrile	-	-	< 50	< 25	< 50	< 50	< 50	< 50	-	< 5.0	< 5.0	< 5.0
Benzene	**4.3**	**160**	**460**	**510**	**800**	**580**	**160**	**440**	-	**380**	**390**	**340**
Bromobenzene	ND	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
Bromochloromethane	ND	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
Bromodichloromethane	ND	ND	< 20	< 10	< 20	< 20	< 20	< 20	-	< 20	< 20	< 20
Bromoform	ND	ND	< 50	< 50	< 50	< 50	< 50	< 50	-	< 50	< 50	< 50
Bromomethane	ND	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
Carbon Disulfide	NR	-	34	20	19	13	10	11	-	< 20	< 20	< 20
Carbon Tetrachloride	ND	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
Chlorobenzene	ND	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
Chloroethane	ND	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
Chloroform	ND	ND	< 5.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	-	< 7.0	< 7.0	< 7.0
Chloromethane	6.2	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	ND	-	**6**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethylene	-	ND	-	-	-	-	-	< 5.0	-	-	-	-
cis-1,3-Dichloropropene	ND	-	< 5.0	< 2.5	< 5.0	< 5.0	< 5.0	-	-	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropylene	-	ND	-	-	-	-	-	< 20	-	-	-	-
Cyclohexane	NR	-	-	-	-	-	-	< 5.0	-	-	-	-
Dibromochloromethane	ND	ND	< 20	< 10	< 20	< 20	< 20	< 5.0	-	< 20	< 20	< 20
Dibromomethane	ND	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	-	< 5.0	< 5.0	< 5.0
Dichlorodifluoromethane	ND	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	-	< 5.0	< 5.0	< 5.0
Ethyl Benzene	**120**	**680**	**1,300**	**1,400**	**1,900**	**1,700**	**580**	**830**	-	**1,400**	**1,600**	**1,600**
Hexachlorobutadiene	ND	ND	< 4.0	< 2.0	< 4.0	< 4.0	< 4.0	< 4.0	-	< 4.0	< 4.0	< 4.0
Isopropylbenzene	**22**	ND	**34**	**82**	**80**	**96**	**25**	**68**	-	**78**	**67**	**77**
m/p-Xylenes	**87**	**2400**	**6,800**	**5,500**	**8,600**	**7,200**	**3,200**	**3,800**	-	**6,100**	**7,400**	**6100**
Methyl Acetate	NR	-	-	-	-	-	-	-	-	-	-	-
Methyl Cyclohexane	NR	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	-	-	< 50	< 25	< 50	< 50	< 50	< 50	-	< 50	< 50	< 50
Methyl tert-butyl Ether	**34**	ND	**74**	**94**	**120**	**77**	**49**	**91**	-	**32**	**29**	**13**
Methylene Chloride	ND	**73**	< 20	< 10	< 20	< 20	< 20	< 20	-	< 10	< 10	< 10
Naphthalene	**140**	**280**	**480**	**560**	**760**	**680**	**200**	**550**	-	**590**	**470**	**560**
n-Butylbenzene	**10**	ND	**8**	**18**	**20**	**29**	**9.2**	**17**	-	**24**	**15**	**16**
n-Propylbenzene	**57**	**130**	**81**	**210**	**210**	**270**	**59**	**150**	-	**190**	**150**	**190**
o-Xylene	**7.7**	**850**	**1,500**	**1,500**	**2,300**	**1,900**	**790**	**1,100**	-	**1,400**	**1,400**	**1,200**
p-Isopropyltoluene	ND	ND	< 5.0	**9**	**10**	**10**	< 5.0	**9.8**	-	**11**	**6.2**	**8.4**
sec-Butylbenzene	**5.4**	ND	< 5.0	**18**	**17**	**21**	**7.4**	**16**	-	**16**	**12**	**14**
Styrene	ND	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
t-1,3-Dichloropropene	ND	-	-	-	-	-	-	-	-	-	-	-
Tert-butyl alcohol	-	-	-	-	-	-	-	-	-	< 1000	< 1000	< 1000
tert-Butylbenzene	ND	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
Tetrachloroethene	**19**	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	-	< 5.0	< 5.0	< 5.0
Tetrachloroethylene	-	ND	-	-	-	-	-	< 5.0	-	-	-	-
Tetrahydrofuran (THF)	-	-	< 50	< 50	< 50	< 50	< 50	< 50	-	< 50	< 50	< 50
Toluene	ND	**980**	**2,300**	**2,200**	**3,800**	**2,900**	**1,100**	**1,900**	-	**1,400**	**1,500**	**1,400**
trans-1,2-Dichloroethene	ND	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethylene	-	ND	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	-	-	< 5.0	< 2.5	< 2.5	< 5.0	< 5.0	< 5.0	-	< 5.0	< 50	< 5.0
trans-1,3-Dichloropropylene	ND	ND	-	-	-	-	-	-	-	-	< 5.0	< 50
trans-1,4-dichloro-2-butene	-	-	< 50	< 25	< 25	< 50	< 50	< 50	-	< 50	< 5.0	< 5.0
Trichloroethene	ND	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
Trichloroethylene	-	ND	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	ND	ND	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane	-	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	< 5.0	-	< 5.0
Vinyl Acetate	-	ND	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	ND	ND	< 5.0	< 2.5	< 2.5	< 5.0	< 5.0	< 5.0	-	< 5.0	< 5.0	< 5.0
Total BTEX Concentration	**219.00**	**5,070.00**	**12,360.00**	**11,110.00**	**17,400.00**	**14,280.00**	**5,830.00**	**8,070.00**	**0.00**	**10,680.00**	**12,290.00**	**10,640.00**
Total Chlorinated VOC Concentration	**25.20**	**73.00**	**6.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Total VOCs	**900.60**	**7,433.00**	**15,887.00**	**15,249.90**	**22,863.00**	**19,111.00**	**7,525.60**	**11,252.80**		**14,911.00**	**16,039.20**	**14,588.40**

COMPOUND	IRMW-14 3/26/2019 Result	6/26/2019 Result	9/30/2019 Result	12/10/2019 Result	3/27/2020 Result	6/30/2020 Result	9/28/2020 Result	6/30/2022 Result	11/10/2022 Result	12/8/2023 Result	2/22/2024 Result	7/17/2024 Result	9/25/2024 Result	12/18/2024 Result	2/12/2025 Result	4/25/2025 Result
1,1,1,2-Tetrachloroethane	< 5.0	<5.0	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	< 1.0
1,1,1-Trichloroethane	< 5.0	< 5.0	< 63	< 5.0	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 100	< 1.0	< 5.0	< 1.3	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 0.50	< 1.0	< 1.3	< 5.0	< 1.0
1,1,2-Trichloroethane	< 5.0	< 2.5	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 1.0	< 1.0
1,1,2-Trichlorotrifluoroethane	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
1,1-Dichloroethane	< 5.0	< 5.0	< 63	< 5.0	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 100	< 1.0	< 5.0	< 1.3	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	< 5.0	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	< 1.0
1,1-Dichloroethylene	-	-	-	-	-	-	-	-	-	-	-			-	-	
1,1-Dichloropropene	< 5.0	< 5.0	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	< 1.0
1,1-Dichloropropylene	-	-	-	-	-	-	-	-	-	-	-			-	-	
1,2,3-Trichlorobenzene	< 20	< 10	< 250	< 1.0	< 20	< 20	< 20	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	< 1.0
1,2,3-Trichloropropane	< 5.0	< 2.5	< 63	< 0.25	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 0.25	< 20	< 0.25	< 1.0	< 1.3	< 0.50	< 0.25
1,2,4-Trichlorobenzene	< 20	< 10	< 250	< 1.0	< 20	< 20	< 20	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	< 1.0
1,2,4-Trimethylbenzene	**3,300**	**1,500**	**1,400**	**14**	**2,600**	**2,100**	**640**	**280**	**380**	**1,200**	**2,400**	**640**	**110**	**870**	**340**	**360**
1,2-Dibromo-3-Chloropropane	< 10	< 5.0	< 130	< 0.50	< 10	< 10	< 10	< 5.0	< 1.0	< 0.50	< 20	< 0.50	< 1.0	< 2.5	< 0.50	< 0.50
1,2-Dibromoethane	< 5.0	< 2.5	< 63	< 0.25	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 0.25	< 20	< 0.25	< 1.0	< 1.3	< 0.50	< 0.25
1,2-Dichlorobenzene	< 5.0	< 4.7	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 4.7	< 1.0
1,2-Dichloroethane	< 10	<5.0	< 130	< 0.60	< 10	< 10	< 10	< 3.0	< 0.60	< 0.60	< 12	< 0.60	< 0.60	< 2.5	< 0.50	< 0.60
1,2-Dichloroethylene (Total)	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
1,2-Dichloropropane	< 5.0	< 2.5	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 1.0	< 1.0
1,3,5-Trimethylbenzene	**560**	**230**	**200**	1.1	**340**	**520**	**220**	**33**	**57**	**140**	**590**	**150**	**11**	**75**	**52**	**21**
1,3-Dichlorobenzene	< 5.0	< 3.0	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 3.0	< 1.0
1,3-Dichloropropane	< 5.0	< 5.0	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	< 1.0
1,4-Dichlorobenzene	< 5.0	< 5.0	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	< 1.0
1,4-dioxane	< 2000	<2000	< 25000	< 100	< 2000	< 2000	< 2000	< 500	< 0.57	-	-	-		-	-	
2,2-Dichloropropane	< 5.0	<5.0	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	< 1.0
2-Butanone	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
2-Chlorotoluene	< 5.0	< 5.0	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	< 1.0
2-Hexanone	< 50	< 25	< 130	< 2.5	< 50	< 50	< 50	< 13	< 2.5	< 2.5	< 50	< 5.0	< 2.5	< 13	< 13	< 2.5
2-Isopropyltoluene	< 5.0	< 5.0	< 63	1.5	< 5.0	< 5.0	< 5.0	< 5.0	0.3	**5.6**	**5.4**	1.6	0.29	< 1.3	< 5.0	1.2
4-Chlorotoluene	< 5.0	< 5.0	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	< 1.0
4-Methyl-2-Pentanone	< 50	< 25	< 130	< 2.5	< 50	< 50	< 50	< 13	< 2.5	< 2.5	< 50	< 5.0	< 2.5	< 13	< 13	< 2.5
Acetone	< 50	< 50	< 500	< 5.0	< 50	< 50	< 50	< 25	12	< 5.0	< 100	< 25	8.6	< 13	< 25	< 5.0
Acrolein	< 50	<50	< 630	< 5.0	< 50	< 50	< 50	< 25	< 5.0	< 5.0	< 100	-	< 5.0	< 13	< 5.0	< 5.0
Acrylonitrile	< 5.0	<5.0	< 130	< 5.0	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 100	< 1.0	< 5.0	< 13	< 5.0	< 5.0
Benzene	**140**	**89**	**130**	**2**	**94**	**75**	**76**	**9.6**	**17**	**32**	**48**	**10**	**5.3**	**46**	**30**	**22**
Bromobenzene	< 5.0	< 5.0	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	< 1.0
Bromochloromethane	< 5.0	< 5.0	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	< 1.0
Bromodichloromethane	< 20	< 10	< 63	< 1.0	< 20	< 20	< 20	< 5.0	< 1.0	< 1.0	< 20	< 0.50	< 1.0	< 1.3	< 5.0	< 1.0
Bromoform	< 50	< 50	< 63	< 5.0	< 50	< 50	< 50	< 25	< 5.0	< 5.0	< 100	< 1.0	< 5.0	< 1.3	< 25	< 5.0
Bromomethane	< 5.0	< 5.0	**91**	< 5.0	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 100	< 1.0	< 5.0	< 1.3	< 5.0	< 5.0
Carbon Disulfide	< 20	< 10	< 63	< 1.0	< 20	< 20	< 20	< 5.0	< 1.0	< 1.0	< 20	< 5.0	< 1.0	< 1.3	< 5.0	< 1.0
Carbon Tetrachloride	< 5.0	< 5.0	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	< 1.0
Chlorobenzene	< 5.0	< 5.0	< 63	< 5.0	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 100	< 1.0	< 5.0	< 1.3	< 5.0	< 5.0
Chloroethane	< 5.0	< 5.0	< 63	< 5.0	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 100	< 1.0	< 5.0	< 1.3	< 5.0	< 5.0
Chloroform	< 7.0	< 7.0	< 63	< 5.0	< 7.0	< 7.0	< 7.0	< 25	< 5.0	< 5.0	< 100	< 1.0	< 5.0	< 1.3	< 7.0	< 5.0
Chloromethane	< 5.0	< 5.0	< 63	< 5.0	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 100	< 1.0	< 5.0	< 1.3	< 5.0	< 5.0
cis-1,2-Dichloroethene	< 5.0	< 5.0	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	0.35
cis-1,2-Dichloroethylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
cis-1,3-Dichloropropene	< 5.0	< 2.5	< 63	< 0.40	< 5.0	< 5.0	< 5.0	< 2.0	< 0.40	< 0.40	< 8.0	< 0.40	< 0.40	< 1.3	< 0.50	< 0.40
cis-1,3-Dichloropropylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cyclohexane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dibromochloromethane	< 20	< 10	< 63	< 1.0	< 20	< 20	< 20	< 5.0	< 1.0	< 1.0	< 20	< 0.50	< 1.0	< 1.3	< 5.0	< 1.0
Dibromomethane	< 5.0	< 5.0	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	< 1.0
Dichlorodifluoromethane	< 5.0	< 5.0	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	< 1.0
Ethyl Benzene	**2,200**	**1,000**	**900**	**6.7**	**1,500**	**1,400**	**490**	**100**	**140**	**440**	**1,800**	**440**	**74**	**400**	**240**	**300**
Hexachlorobutadiene	< 4.0	< 2.0	< 50	< 0.50	< 4.0	< 4.0	< 4.0	< 2.5	< 0.50	< 0.50	< 10	< 0.40	< 0.50	< 1.0	< 0.50	< 0.50
Isopropylbenzene	**89**	**53**	< 63	**7.4**	**60**	**80**	**41**	**5.2**	**7.7**	**81**	**130**	**28**	3.5	**23**	**10**	**22**
m/p-Xylenes	**6800**	**2,800**	**2,800**	**6.6**	**4,400**	**3,600**	**1,200**	**280**	**390**	**750**	**5,500**	**1,200**	**120**	**680**	**470**	390
Methyl Acetate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Methyl Cyclohexane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Methyl ethyl ketone	< 50	< 25	< 500	< 2.5	< 50	< 50	< 50	< 13	4.5	< 2.5	< 50	< 5.0	< 2.5	< 13	< 13	< 2.5
Methyl tert-butyl Ether	5.2	**7.7**	< 250	0.87	7.5	**6.6**	**13**	4.5	15	2.3	< 20	5.1	3.6	**16**	**20**	4
Methylene Chloride	< 10	< 5.0	< 130	< 3.0	< 10	< 10	< 10	< 15	< 3.0	< 3.0	< 60	< 1.0	< 3.0	< 5.0	< 5.0	< 3.0
Naphthalene	**900**	**480**	**440**	3.1	**600**	**720**	**400**	**150**	**170**	**190**	**460**	**120**	**74**	**220**	**140**	**160**
n-Butylbenzene	**18**	**13**	< 63	1.2	**10**	**19**	**7.2**	2.6	2	**28**	**32**	**5.4**	1.1	3.7	1.4	**5.5**
n-Propylbenzene	**240**	**120**	**86**	**5.6**	**140**	**220**	**92**	**14**	22	**150**	**330**	**90**	**8.2**	**51**	**21**	**53**
o-Xylene	**730**	**300**	**350**	0.7	**500**	**480**	**330**	**66**	**100**	**210**	**1,700**	**460**	< 5.0	**250**	**200**	**120**
p-Isopropyltoluene	**9.8**	**7.5**	< 63	0.95	< 5.0	**7.9**	< 5.0	< 5.0	0.83	**12**	10	2.6	< 1.0	< 1.3	< 5.0	2.1
sec-Butylbenzene	**15**	**8.6**	< 63	**6.2**	**8.6**	**14**	< 5.0	< 5.0	< 1.0	**19**	**21**	**6.1**	0.82	< 1.3	< 5.0	3.9
Styrene	< 5.0	< 5.0	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	< 1.0
t-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
Tert-butyl alcohol	< 1000	<1000	< 13000	< 50	< 1000	< 1000	< 1000	53	< 50	-	-	-		-	-	
tert-Butylbenzene	< 5.0	< 5.0	< 63	0.5	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	< 1.0
Tetrachloroethene	< 5.0	< 5.0	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	< 1.0
Tetrachloroethylene	-	-	-	-	-	-	-	-	-	-	-			-	-	
Tetrahydrofuran (THF)	< 50	< 50	< 310	< 5.0	< 50	< 50	< 50	< 25	< 5.0	< 5.0	< 100	< 2.5	< 5.0	< 13	< 25	< 5.0
Toluene	**790**	**250**	**370**	0.57	**360**	**260**	**260**	**36**	**57**	**200**	**1,000**	**120**	**38**	**210**	**120**	**34**
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 63	< 5.0	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 100	< 1.0	< 5.0	< 1.3	< 5.0	< 5.0
trans-1,2-Dichloroethylene	-	-	-	-	-	-	-	-	-	-	-			-	-	
trans-1,3-Dichloropropene	< 5.0	< 2.5	< 63	< 0.40	< 5.0	< 5.0	< 5.0	< 2.0	< 0.40	< 0.40	< 8.0	< 0.40	< 0.40	< 1.3	< 0.50	< 0.40
trans-1,3-Dichloropropylene	< 50	< 25	-	-	-	-	-	-	-	-	-			-	-	
trans-1,4-dichloro-2-butene	< 5.0	< 5.0	< 630	< 2.5	< 50	< 50	< 50	< 13	< 2.5	< 2.5	< 50	< 5.0	< 2.5	< 13	< 5.0	< 2.5
Trichloroethene	< 5.0	< 5.0	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	1.1
Trichloroethylene	-	-	-	-	-	-	-	-	-	-	-			-	-	
Trichlorofluoromethane	< 5.0	< 5.0	< 63	< 1.0	< 5.0	< 5.0	-	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	< 1.0
Trichlorotrifluoroethane	< 5.0	<5.0	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 5.0	< 1.0
Vinyl Acetate	-	-	-	-	-	-	< 5.0	-	-	-	-			-	-	
Vinyl Chloride	< 5.0	<2.5	< 63	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.3	< 2.0	< 1.0
Total BTEX Concentration	**10,660.00**	**4,439.00**	**4,550.00**	**16.57**	**6854.00**	**5815.00**	**2356.00**	**491.60**	**704.00**	**1632.00**	**10048.00**	**2230.00**	**237.30**	**1586.00**	**1060.00**	**866.00**
Total Chlorinated VOC Concentration	**0.00**	**0.00**	**0.00**	**0**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.45**
Total VOCs	**15,797.00**	**6,858.80**	**6,767.00**	**58.99**	**10620.10**	**9502.50**	**3769.20**	**1033.90**	**1375.33**	**3459.90**	**14026.40**	**3278.80**	**458.41**	**2821.70**	**1644.40**	**1500.15**

Ferrous Iron	-	-	-	-
Persulfate	ND	-	-	ND

Notes:
ND - Non-Detect
NR - Not Analyzed
NS - Not Sampled
RL - Reporting Level
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

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Astoria, NY 11105
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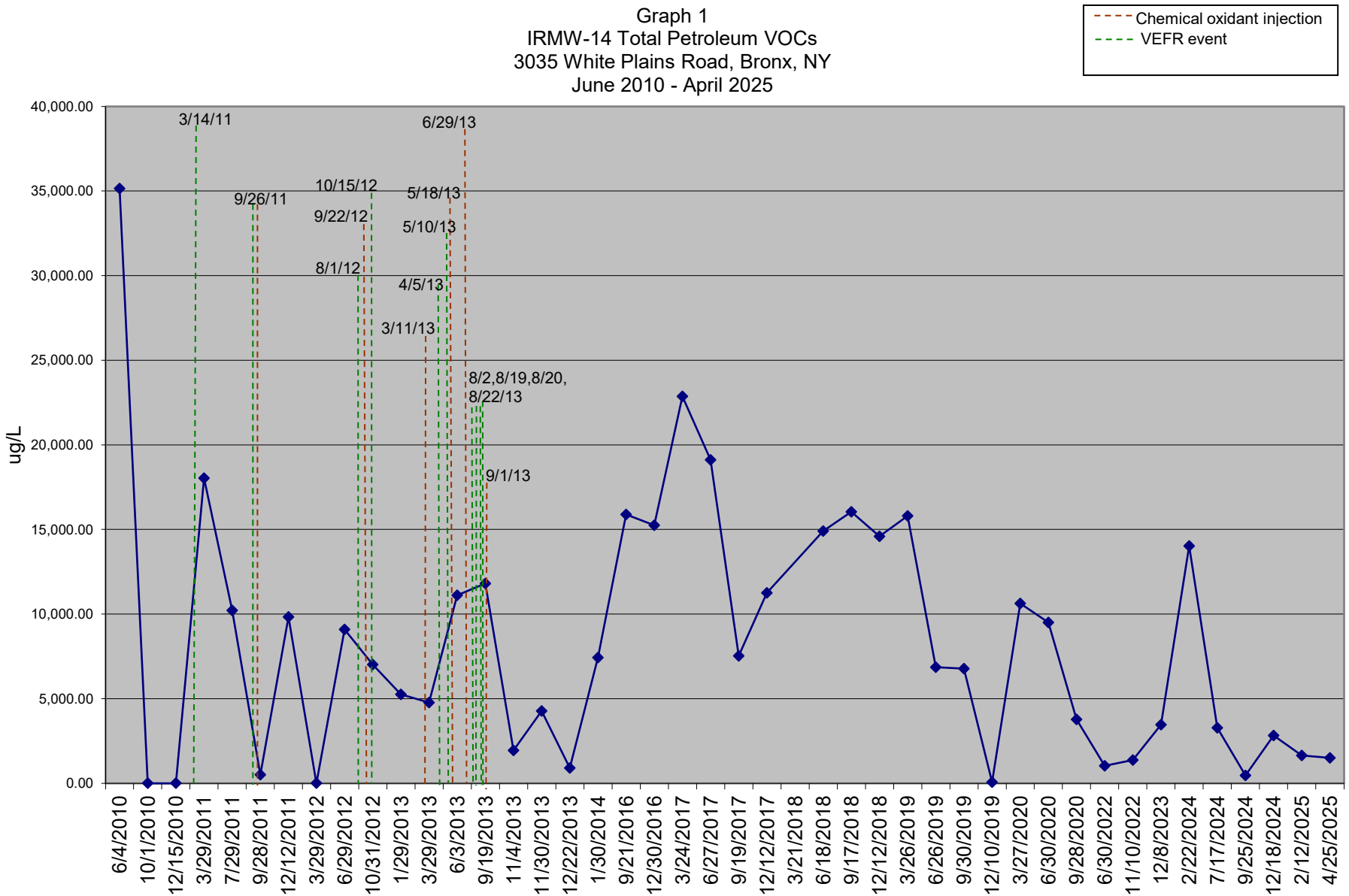
GRAPHS

Graph 1
IRMW-14 Total Petroleum VOCs
3035 White Plains Road, Bronx, NY
June 2010 - April 2025



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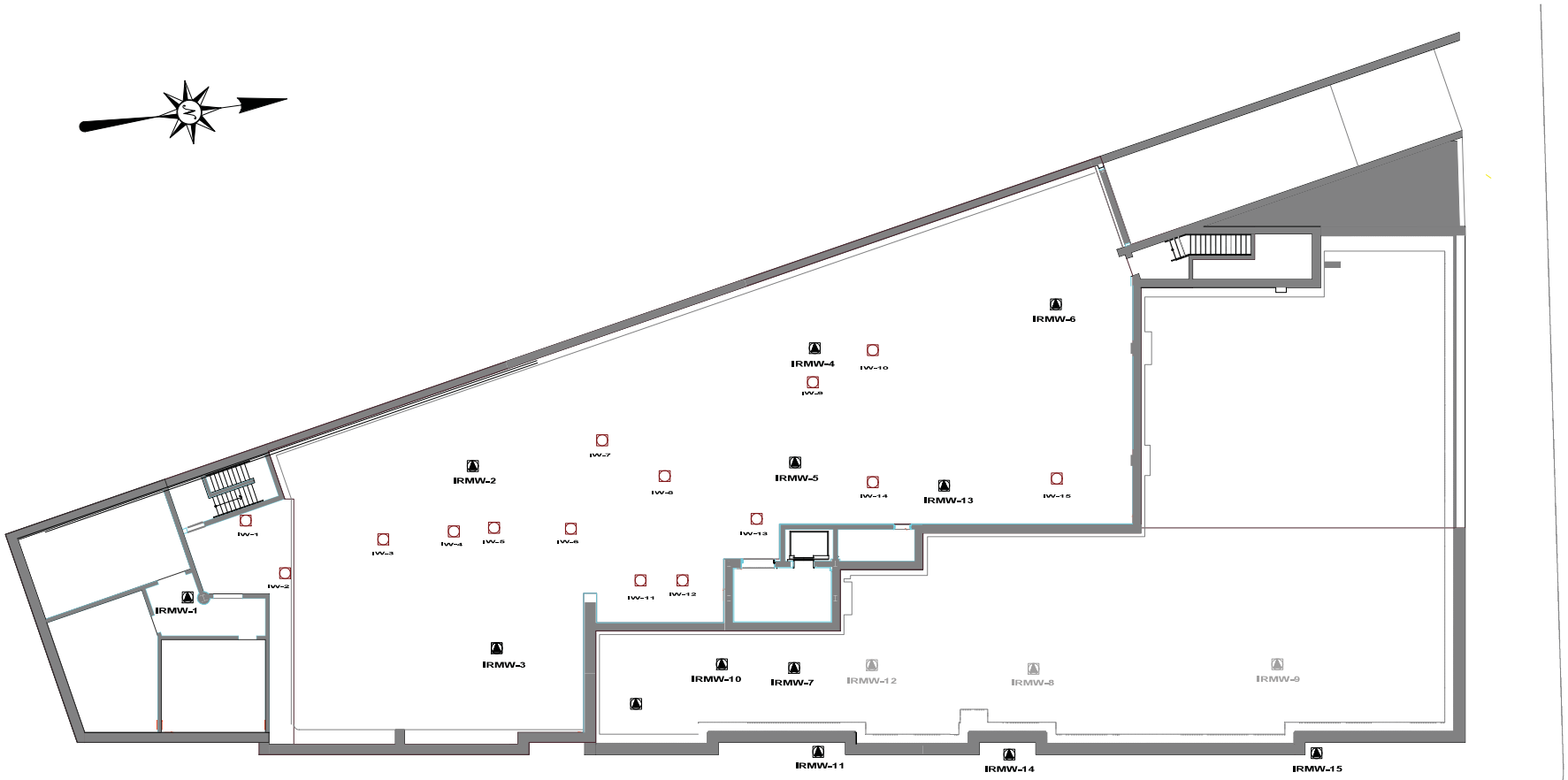
O: 718.545.0474

FIGURES



SIDEWALK

WHITE PLAINS ROAD

Note:

IRMW-X
Groundwater Monitoring Well

Note: IRM-W10, 11, 12 and 13 installed for LPH delineation.

Scale:

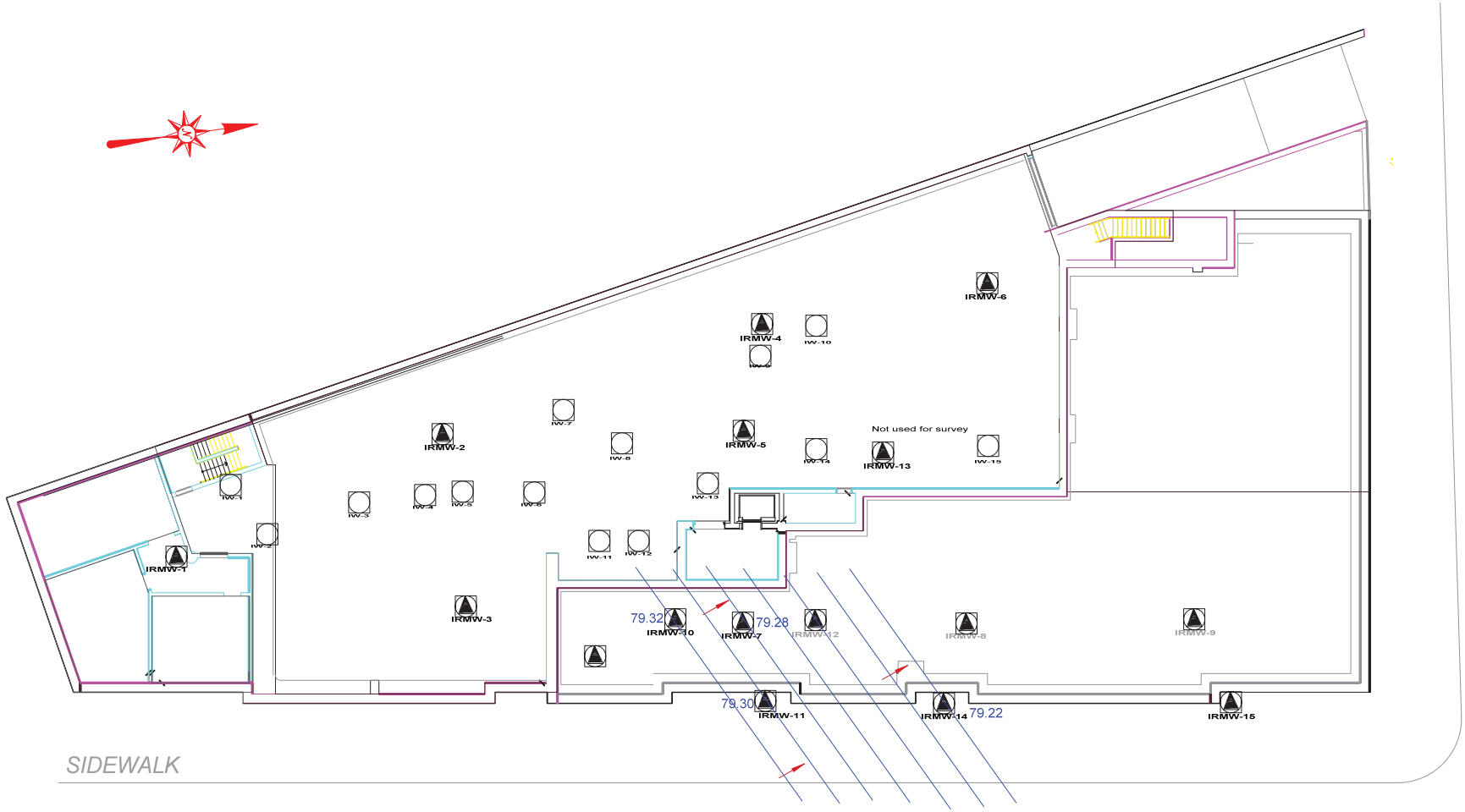
0 15 30

1 inch = 30 feet

EBC
Environmental Business Consultants
Phone 631.504.6000
Fax 631.924.2870

Former Dico G Auto & Truck Repair
3035 White Plains Road, Bronx, NY

FIGURE 1 Site Plan Map



Note:

IRMW-X Groundwater Monitoring Well

Note: IRM-W10, 11, 12 and 13 installed for LPH delineation.

Groundwater Flow Direction

Scale:

0 15 30

1 inch = 30 feet

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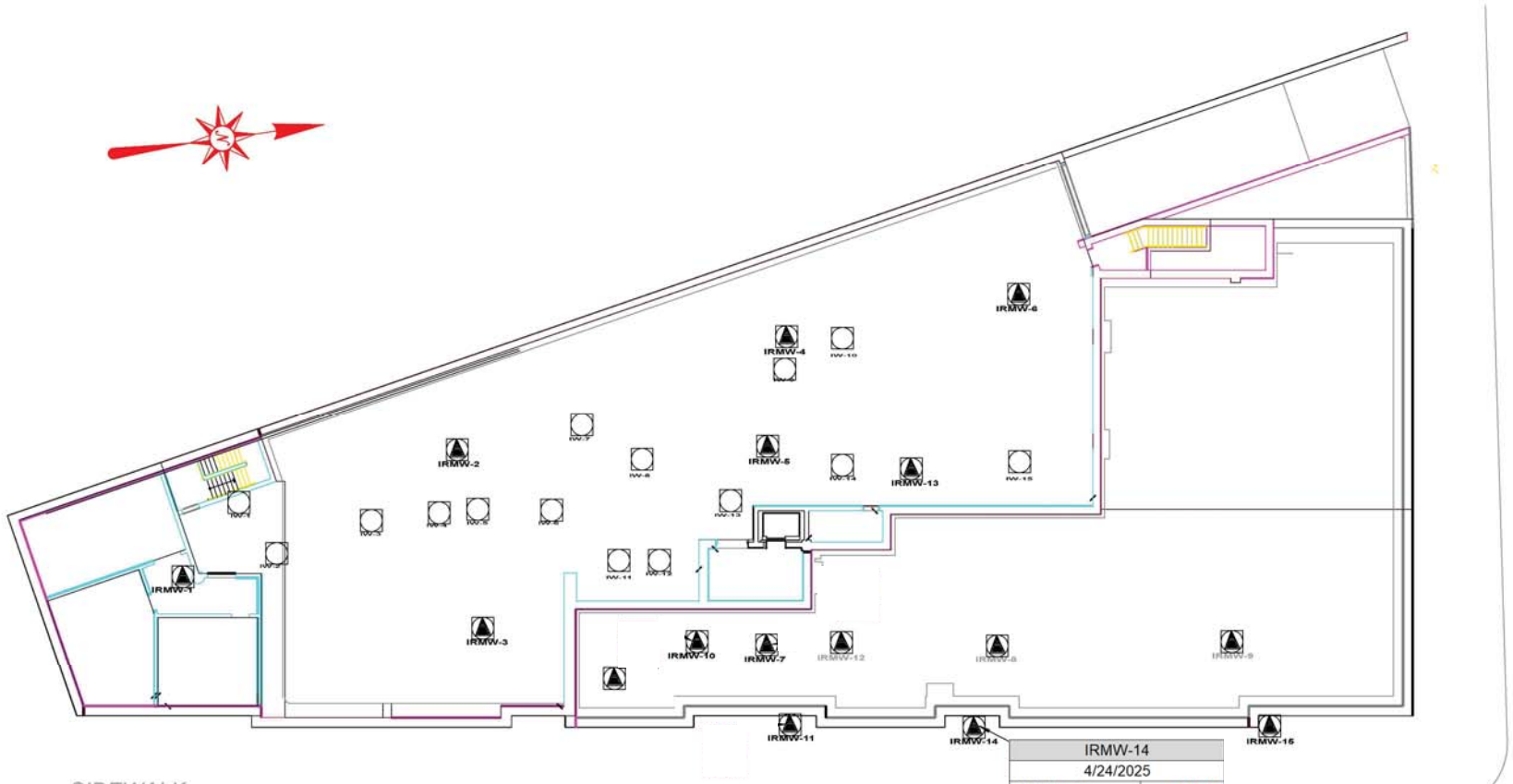
Astoria, NY 11105
O: 718.545.0474

Figure No. **2**

Site Name: Former Dico G Auto & Truck Repair

Site Address: 3035 White Plains Road, Bronx, NY

Drawing Title: Groundwater Contour Map - 3Q2024



IRMW-14	
4/24/2025	
BTEX (ug/L)	866.00
CVOCs (ug/L)	1.45
Total VOCs (ug/L)	1500.15

Note:

IRMW-X Groundwater Monitoring Well

Note: IRM-W10, 11, 12 and 13 installed for LPH delineation

xxx	BTEX Concentration (µg/L)
xxx	Total Chlorinated VOC Concentration (µg/L)
xxx	Total VOC Concentration (µg/L)

Scale:

0 15 30

1 inch = 30 feet

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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 - 2Q2025

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Astoria, NY 11105
O: 718.545.0474

APPENDIX A

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORMS

AMC Engineering PLLC

GROUNDWATER PURGE / SAMPLE LOGS

3035 White Plains Road, Bronx

Well I.D.: IRMW-14

Date: 4/24/2025

Well Depth (from TOC): 19.5

Equipment: Peristaltic pump, horiba

Static Water Level (from TOC): 15.37

Height of Water in Well: 4.13

Gallons of Water per Well Volume: 0.69

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	Comments
12:40 PM	0.04 gal/min	0.2	8.8	1.06	19.64	29.13	167	209	0.681	N/A
12:45 PM	0.04 gal/min	0.4000	8.81	1.05	20.18	6.34	133	174	0.672	N/A
12:50 PM	0.04 gal/min	0.6000	8.76	0.978	20.49	5.62	91	158	0.626	N/A
12:55 PM	0.04 gal/min	0.8000	8.97	1.01	21.12	5.65	61	139	0.649	N/A
1:00 PM	0.04 gal/min	1.0000	9.04	1.02	21.41	5.72	56	140	0.655	N/A
1:05 PM	0.04 gal/min	1.2000	9.12	1.01	21.75	5.85	61	133	0.649	N/A
1:10 PM	0.04 gal/min	1.4000	9.16	1.01	21.86	5.93	68	127	0.647	N/A
1:15 PM	0.04 gal/min	1.6000	9.19	1.01	21.82	6.14	77	122	0.648	N/A
1:20 PM	0.04 gal/min	1.8000	9.21	1.01	21.72	6.15	85	115	0.647	N/A

Note 150 ml = 0.04 gallons

Well was purged before noting of readings.

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

Laboratory Report

PHOENIX
Environmental Laboratories, Inc.

Tuesday, May 20, 2025

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

Project ID: **3035 WHITE PLAINS ROAD, BX**
SDG ID: **GCT14536**
Sample ID#s: CT14536 - CT14538

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.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: AMC Engineering PLLC

Project: 3035 WHITE PLAINS ROAD, BX

Laboratory Project: GCT14536

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

May 20, 2025 **SDG I.D.: GCT14536**

AMC Engineering PLLC 3035 WHITE PLAINS ROAD, BX

Methodology Summary

Volatile Organic Compounds:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed.Update III, Method 8260D and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

May 20, 2025 **SDG I.D.: GCT14536**

AMC Engineering PLLC 3035 WHITE PLAINS ROAD, BX

Laboratory Chronicle

The samples in this delivery group were received at 1.3°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CT14536	Client MS/MSD	04/24/25	05/02/25	05/02/25		Y
CT14536	Volatiles	04/24/25	05/02/25	05/02/25	MH	Y
CT14537	Volatiles	04/24/25	05/02/25	05/02/25	MH	Y
CT14538	Volatiles	04/24/25	05/01/25	05/01/25	PS	Y

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

May 20, 2025

SDG I.D.: GCT14536

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

NY # 11301

Sample Id Cross Reference

May 20, 2025

SDG I.D.: GCT14536

Project ID: 3035 WHITE PLAINS ROAD, BX

Client Id	Lab Id	Matrix	Col Date
IRMW-14	CT14536	GROUND WATER	04/24/25 14:45
DUPLICATE	CT14537	GROUND WATER	04/24/25 14:46
TRIP BLANK	CT14538	WATER	04/24/25 0:00

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2025

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		04/24/25	14:45
Location Code:	AMC-ENG	Received by:	CP	04/25/25	16:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCT14536
Phoenix ID: CT14536

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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Client MS/MSD	Completed					05/02/25			
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2,4-Trimethylbenzene	360	10	2.5	ug/L	10	05/02/25	MH	SW8260D	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	05/01/25	MH	SW8260D	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	05/01/25	MH	SW8260D	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,3,5-Trimethylbenzene	21	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
2-Hexanone	ND	2.5	2.5	ug/L	1	05/01/25	MH	SW8260D	
2-Isopropyltoluene	1.2	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	

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

Phoenix I.D.: CT14536

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	05/01/25	MH	SW8260D	
Acetone	ND		5.0	2.5	ug/L	1	05/01/25	MH	SW8260D	
Acrolein	ND		5.0	2.5	ug/L	1	05/01/25	MH	SW8260D	
Acrylonitrile	ND		5.0	2.5	ug/L	1	05/01/25	MH	SW8260D	
Benzene	22		0.70	0.25	ug/L	1	05/01/25	MH	SW8260D	
Bromobenzene	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Bromochloromethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Bromoform	ND		5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Bromomethane	ND		5.0	0.50	ug/L	1	05/01/25	MH	SW8260D	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Chlorobenzene	ND		5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Chloroethane	ND		5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Chloroform	ND		5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Chloromethane	ND		5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
cis-1,2-Dichloroethene	0.35	J	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	05/01/25	MH	SW8260D	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Dibromomethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Ethylbenzene	300		10	2.5	ug/L	10	05/02/25	MH	SW8260D	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	05/01/25	MH	SW8260D	
Isopropylbenzene	22		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
m&p-Xylene	390		10	2.5	ug/L	10	05/02/25	MH	SW8260D	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	05/01/25	MH	SW8260D	
Methyl t-butyl ether (MTBE)	4.0		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Methylene chloride	ND		3.0	1.0	ug/L	1	05/01/25	MH	SW8260D	
Naphthalene	160		10	10	ug/L	10	05/02/25	MH	SW8260D	
n-Butylbenzene	5.5		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
n-Propylbenzene	53		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
o-Xylene	120		10	2.5	ug/L	10	05/02/25	MH	SW8260D	
p-Isopropyltoluene	2.1		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
sec-Butylbenzene	3.9		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Styrene	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	05/01/25	MH	SW8260D	1
Toluene	34		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	05/01/25	MH	SW8260D	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	05/01/25	MH	SW8260D	
Trichloroethene	1.1		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Vinyl chloride	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	95				%	1	05/01/25	MH	70 - 130 %	
% Bromofluorobenzene	100				%	1	05/01/25	MH	70 - 130 %	

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

Phoenix I.D.: CT14536

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	92			%	1	05/01/25	MH	70 - 130 %
% Toluene-d8	97			%	1	05/01/25	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (10x)	94			%	10	05/02/25	MH	70 - 130 %
% Bromofluorobenzene (10x)	93			%	10	05/02/25	MH	70 - 130 %
% Dibromofluoromethane (10x)	95			%	10	05/02/25	MH	70 - 130 %
% Toluene-d8 (10x)	97			%	10	05/02/25	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 (preceeded 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

May 20, 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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2025

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		04/24/25	14:46
Location Code:	AMC-ENG	Received by:	CP	04/25/25	16:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCT14536
Phoenix ID: CT14537

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	05/01/25	MH	SW8260D	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2,4-Trimethylbenzene	360	10	2.5	ug/L	10	05/02/25	MH	SW8260D	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	05/01/25	MH	SW8260D	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	05/01/25	MH	SW8260D	
1,2-Dichloropropane	ND	1.0	0.50	ug/L	1	05/01/25	MH	SW8260D	
1,3,5-Trimethylbenzene	25	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
2-Hexanone	ND	2.5	2.5	ug/L	1	05/01/25	MH	SW8260D	
2-Isopropyltoluene	1.4	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	05/01/25	MH	SW8260D	

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

Phoenix I.D.: CT14537

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	5.0	2.5	ug/L	1	05/01/25	MH	SW8260D	
Acrolein	ND	5.0	2.5	ug/L	1	05/01/25	MH	SW8260D	
Acrylonitrile	ND	5.0	2.5	ug/L	1	05/01/25	MH	SW8260D	
Benzene	25	0.70	0.25	ug/L	1	05/01/25	MH	SW8260D	
Bromobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Bromochloromethane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Bromoform	ND	5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Bromomethane	ND	5.0	0.50	ug/L	1	05/01/25	MH	SW8260D	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Chlorobenzene	ND	5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Chloroethane	ND	5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Chloroform	ND	5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Chloromethane	ND	5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	05/01/25	MH	SW8260D	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Dibromomethane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Ethylbenzene	300	10	2.5	ug/L	10	05/02/25	MH	SW8260D	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	05/01/25	MH	SW8260D	
Isopropylbenzene	27	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
m&p-Xylene	380	10	2.5	ug/L	10	05/02/25	MH	SW8260D	
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	05/01/25	MH	SW8260D	
Methyl t-butyl ether (MTBE)	4.2	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Methylene chloride	ND	3.0	1.0	ug/L	1	05/01/25	MH	SW8260D	
Naphthalene	170	10	10	ug/L	10	05/02/25	MH	SW8260D	
n-Butylbenzene	6.8	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
n-Propylbenzene	64	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
o-Xylene	120	10	2.5	ug/L	10	05/02/25	MH	SW8260D	
p-Isopropyltoluene	2.1	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
sec-Butylbenzene	4.7	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Styrene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	05/01/25	MH	SW8260D	1
Toluene	38	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	05/01/25	MH	SW8260D	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	05/01/25	MH	SW8260D	
Trichloroethene	ND	1.0	0.50	ug/L	1	05/01/25	MH	SW8260D	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Vinyl chloride	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	95			%	1	05/01/25	MH	70 - 130 %	
% Bromofluorobenzene	98			%	1	05/01/25	MH	70 - 130 %	
% Dibromofluoromethane	91			%	1	05/01/25	MH	70 - 130 %	

Ver 2

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

Phoenix I.D.: CT14537

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	96			%	1	05/01/25	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (10x)	94			%	10	05/02/25	MH	70 - 130 %
% Bromofluorobenzene (10x)	92			%	10	05/02/25	MH	70 - 130 %
% Dibromofluoromethane (10x)	95			%	10	05/02/25	MH	70 - 130 %
% Toluene-d8 (10x)	97			%	10	05/02/25	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 (preceeded 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.
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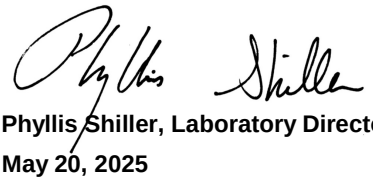


Phyllis Shiller, Laboratory Director

May 20, 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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2025

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

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		04/24/25	
Location Code:	AMC-ENG	Received by:	CP	04/25/25	16:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCT14536
Phoenix ID: CT14538

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	05/01/25	PS	SW8260D	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	05/01/25	PS	SW8260D	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	05/01/25	PS	SW8260D	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
2-Hexanone	ND	2.5	2.5	ug/L	1	05/01/25	PS	SW8260D	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	05/01/25	PS	SW8260D	

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

Phoenix I.D.: CT14538

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	5.0	2.5	ug/L	1	05/01/25	PS	SW8260D	
Acrolein	ND	5.0	2.5	ug/L	1	05/01/25	PS	SW8260D	
Acrylonitrile	ND	5.0	2.5	ug/L	1	05/01/25	PS	SW8260D	
Benzene	ND	0.70	0.25	ug/L	1	05/01/25	PS	SW8260D	
Bromobenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Bromochloromethane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Bromoform	ND	5.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Bromomethane	ND	5.0	0.50	ug/L	1	05/01/25	PS	SW8260D	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Chlorobenzene	ND	5.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Chloroethane	ND	5.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Chloroform	ND	5.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Chloromethane	ND	5.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	05/01/25	PS	SW8260D	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Dibromomethane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Ethylbenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	05/01/25	PS	SW8260D	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
m&p-Xylene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	05/01/25	PS	SW8260D	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Methylene chloride	ND	3.0	1.0	ug/L	1	05/01/25	PS	SW8260D	
Naphthalene	ND	1.0	1.0	ug/L	1	05/01/25	PS	SW8260D	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
o-Xylene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Styrene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	05/01/25	PS	SW8260D	1
Toluene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	05/01/25	PS	SW8260D	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	05/01/25	PS	SW8260D	
Trichloroethene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Vinyl chloride	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	94			%	1	05/01/25	PS	70 - 130 %	
% Bromofluorobenzene	90			%	1	05/01/25	PS	70 - 130 %	
% Dibromofluoromethane	97			%	1	05/01/25	PS	70 - 130 %	

Ver 2

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

Phoenix I.D.: CT14538

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	97			%	1	05/01/25	PS	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 (preceeded 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

May 20, 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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

May 20, 2025

QA/QC Data

SDG I.D.: GCT14536

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 782870 (ug/L), QC Sample No: CT14536 (CT14536, CT14537, CT14538)											
Volatiles - Ground Water											
1,1,1,2-Tetrachloroethane	ND	1.0	105	107	1.9	98	109	10.6	70 - 130	30	
1,1,1-Trichloroethane	ND	1.0	103	107	3.8	103	114	10.1	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.50	102	100	2.0	91	99	8.4	70 - 130	30	
1,1,2-Trichloroethane	ND	1.0	99	101	2.0	105	111	5.6	70 - 130	30	
1,1-Dichloroethane	ND	1.0	104	107	2.8	109	110	0.9	70 - 130	30	
1,1-Dichloroethene	ND	1.0	106	109	2.8	115	115	0.0	70 - 130	30	
1,1-Dichloropropene	ND	1.0	105	108	2.8	109	121	10.4	70 - 130	30	
1,2,3-Trichlorobenzene	ND	1.0	106	105	0.9	105	115	9.1	70 - 130	30	
1,2,3-Trichloropropane	ND	1.0	102	92	10.3	95	100	5.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	1.0	107	107	0.0	110	119	7.9	70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	110	110	0.0	NC	NC	NC	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	1.0	104	103	1.0	91	101	10.4	70 - 130	30	
1,2-Dibromoethane	ND	1.0	100	101	1.0	96	104	8.0	70 - 130	30	
1,2-Dichlorobenzene	ND	1.0	102	102	0.0	99	107	7.8	70 - 130	30	
1,2-Dichloroethane	ND	1.0	100	101	1.0	94	102	8.2	70 - 130	30	
1,2-Dichloropropane	ND	1.0	103	103	0.0	104	110	5.6	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	111	111	0.0	NC	NC	NC	70 - 130	30	
1,3-Dichlorobenzene	ND	1.0	107	106	0.9	105	115	9.1	70 - 130	30	
1,3-Dichloropropane	ND	1.0	102	104	1.9	97	103	6.0	70 - 130	30	
1,4-Dichlorobenzene	ND	1.0	106	105	0.9	106	117	9.9	70 - 130	30	
2,2-Dichloropropane	ND	1.0	102	101	1.0	85	95	11.1	70 - 130	30	
2-Chlorotoluene	ND	1.0	108	108	0.0	103	111	7.5	70 - 130	30	
2-Hexanone	ND	5.0	91	91	0.0	95	98	3.1	70 - 130	30	
2-Isopropyltoluene	ND	1.0	111	111	0.0	116	124	6.7	70 - 130	30	
4-Chlorotoluene	ND	1.0	108	107	0.9	107	115	7.2	70 - 130	30	
4-Methyl-2-pentanone	ND	5.0	92	92	0.0	100	108	7.7	70 - 130	30	
Acetone	ND	5.0	92	94	2.2	NC	NC	NC	70 - 130	30	
Acrolein	ND	5.0	83	83	0.0	118	98	18.5	70 - 130	30	
Acrylonitrile	ND	5.0	92	95	3.2	163	139	15.9	70 - 130	30	m
Benzene	ND	0.70	103	104	1.0	148	129	13.7	70 - 130	30	m
Bromobenzene	ND	1.0	104	102	1.9	98	107	8.8	70 - 130	30	
Bromochloromethane	ND	1.0	99	100	1.0	97	106	8.9	70 - 130	30	
Bromodichloromethane	ND	0.50	102	105	2.9	96	106	9.9	70 - 130	30	
Bromoform	ND	1.0	102	104	1.9	93	104	11.2	70 - 130	30	
Bromomethane	ND	1.0	117	118	0.9	50	76	41.3	70 - 130	30	m,r
Carbon Disulfide	ND	1.0	105	108	2.8	116	117	0.9	70 - 130	30	
Carbon tetrachloride	ND	1.0	109	109	0.0	117	113	3.5	70 - 130	30	
Chlorobenzene	ND	1.0	103	104	1.0	106	113	6.4	70 - 130	30	
Chloroethane	ND	1.0	111	116	4.4	111	126	12.7	70 - 130	30	
Chloroform	ND	1.0	102	102	0.0	107	111	3.7	70 - 130	30	
Chloromethane	ND	1.0	106	111	4.6	109	122	11.3	70 - 130	30	

QA/QC Data

SDG I.D.: GCT14536

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,2-Dichloroethene	ND	1.0	103	104	1.0	104	112	7.4	70 - 130	30	
cis-1,3-Dichloropropene	ND	0.40	103	105	1.9	95	106	10.9	70 - 130	30	
Dibromochloromethane	ND	0.50	107	108	0.9	95	108	12.8	70 - 130	30	
Dibromomethane	ND	1.0	97	99	2.0	93	103	10.2	70 - 130	30	
Dichlorodifluoromethane	ND	1.0	117	119	1.7	124	133	7.0	70 - 130	30	m
Ethylbenzene	ND	1.0	106	108	1.9	NC	NC	NC	70 - 130	30	
Hexachlorobutadiene	ND	0.40	108	110	1.8	102	112	9.3	70 - 130	30	
Isopropylbenzene	ND	1.0	112	112	0.0	NC	NC	NC	70 - 130	30	
m&p-Xylene	ND	1.0	107	109	1.9	NC	NC	NC	70 - 130	30	
Methyl ethyl ketone	ND	5.0	92	88	4.4	162	143	12.5	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	1.0	99	101	2.0	100	98	2.0	70 - 130	30	
Methylene chloride	ND	1.0	98	101	3.0	98	100	2.0	70 - 130	30	
Naphthalene	ND	1.0	112	110	1.8	NC	NC	NC	70 - 130	30	
n-Butylbenzene	ND	1.0	112	114	1.8	154	145	6.0	70 - 130	30	m
n-Propylbenzene	ND	1.0	109	110	0.9	NC	NC	NC	70 - 130	30	
o-Xylene	ND	1.0	105	106	0.9	NC	NC	NC	70 - 130	30	
p-Isopropyltoluene	ND	1.0	110	112	1.8	171	165	3.6	70 - 130	30	m
sec-Butylbenzene	ND	1.0	111	113	1.8	138	136	1.5	70 - 130	30	m
Styrene	ND	1.0	106	108	1.9	113	117	3.5	70 - 130	30	
tert-Butylbenzene	ND	1.0	109	110	0.9	116	124	6.7	70 - 130	30	
Tetrachloroethene	ND	1.0	102	105	2.9	109	118	7.9	70 - 130	30	
Tetrahydrofuran (THF)	ND	2.5	91	92	1.1	80	86	7.2	70 - 130	30	
Toluene	ND	1.0	103	104	1.0	NC	NC	NC	70 - 130	30	
trans-1,2-Dichloroethene	ND	1.0	101	105	3.9	108	109	0.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.40	102	103	1.0	92	101	9.3	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	112	116	3.5	81	93	13.8	70 - 130	30	
Trichloroethene	ND	1.0	102	105	2.9	101	109	7.6	70 - 130	30	
Trichlorofluoromethane	ND	1.0	118	120	1.7	126	129	2.4	70 - 130	30	
Trichlorotrifluoroethane	ND	1.0	114	119	4.3	126	125	0.8	70 - 130	30	
Vinyl chloride	ND	1.0	110	114	3.6	115	117	1.7	70 - 130	30	
% 1,2-dichlorobenzene-d4	96	%	96	94	2.1	91	92	1.1	70 - 130	30	
% Bromofluorobenzene	91	%	95	96	1.0	102	98	4.0	70 - 130	30	
% Dibromofluoromethane	94	%	95	96	1.0	97	94	3.1	70 - 130	30	
% Toluene-d8	97	%	97	97	0.0	97	96	1.0	70 - 130	30	

QA/QC Batch 783103 (ug/L), QC Sample No: CT14537 (CT14536 (10X) , CT14537 (10X))

Volatiles - Ground Water

1,2,4-Trimethylbenzene	ND	1.0	105	107	1.9				70 - 130	30	
Ethylbenzene	ND	1.0	104	106	1.9				70 - 130	30	
m&p-Xylene	ND	1.0	105	107	1.9				70 - 130	30	
Naphthalene	ND	1.0	107	106	0.9				70 - 130	30	
o-Xylene	ND	1.0	103	105	1.9				70 - 130	30	
% 1,2-dichlorobenzene-d4	93	%	94	94	0.0				70 - 130	30	
% Bromofluorobenzene	90	%	96	95	1.0				70 - 130	30	
% Dibromofluoromethane	94	%	94	95	1.1				70 - 130	30	
% Toluene-d8	96	%	96	96	0.0				70 - 130	30	

Comment:

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

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

QA/QC Data

SDG I.D.: GCT14536

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD 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
May 20, 2025

Tuesday, May 20, 2025

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GCT14536 - AMC-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CT14536	$8260DP25R	Naphthalene	NY / TAGM - Semi-Volatiles / Groundwater Standards	160	10	10	10	ug/L
CT14536	$8260DP25R	Toluene	NY / TAGM - Volatile Organics / Groundwater Standards	34	1.0	5	5	ug/L
CT14536	$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	22	0.70	0.7	0.7	ug/L
CT14536	$8260DP25R	Ethylbenzene	NY / TAGM - Volatile Organics / Groundwater Standards	300	10	5	5	ug/L
CT14536	$8260DP25R	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	160	10	5	5	ug/L
CT14536	$8260DP25R	o-Xylene	NY / TAGM - Volatile Organics / Groundwater Standards	120	10	5	5	ug/L
CT14536	$8260DP25R	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria	300	10	5	5	ug/L
CT14536	$8260DP25R	o-Xylene	NY / TOGS - Water Quality / GA Criteria	120	10	5	5	ug/L
CT14536	$8260DP25R	Toluene	NY / TOGS - Water Quality / GA Criteria	34	1.0	5	5	ug/L
CT14536	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CT14536	$8260DP25R	n-Propylbenzene	NY / TOGS - Water Quality / GA Criteria	53	1.0	5	5	ug/L
CT14536	$8260DP25R	n-Butylbenzene	NY / TOGS - Water Quality / GA Criteria	5.5	1.0	5	5	ug/L
CT14536	$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria	160	10	10	10	ug/L
CT14536	$8260DP25R	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria	22	1.0	5	5	ug/L
CT14536	$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	22	0.70	1	1	ug/L
CT14536	$8260DP25R	1,3,5-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	21	1.0	5	5	ug/L
CT14536	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CT14536	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CT14536	$8260DP25R	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	360	10	5	5	ug/L
CT14537	$8260DP25R	Naphthalene	NY / TAGM - Semi-Volatiles / Groundwater Standards	170	10	10	10	ug/L
CT14537	$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	25	0.70	0.7	0.7	ug/L
CT14537	$8260DP25R	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	170	10	5	5	ug/L
CT14537	$8260DP25R	o-Xylene	NY / TAGM - Volatile Organics / Groundwater Standards	120	10	5	5	ug/L
CT14537	$8260DP25R	Toluene	NY / TAGM - Volatile Organics / Groundwater Standards	38	1.0	5	5	ug/L
CT14537	$8260DP25R	Ethylbenzene	NY / TAGM - Volatile Organics / Groundwater Standards	300	10	5	5	ug/L
CT14537	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CT14537	$8260DP25R	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	360	10	5	5	ug/L
CT14537	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CT14537	$8260DP25R	1,3,5-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	25	1.0	5	5	ug/L
CT14537	$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	25	0.70	1	1	ug/L
CT14537	$8260DP25R	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria	300	10	5	5	ug/L
CT14537	$8260DP25R	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria	27	1.0	5	5	ug/L
CT14537	$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria	170	10	10	10	ug/L
CT14537	$8260DP25R	n-Butylbenzene	NY / TOGS - Water Quality / GA Criteria	6.8	1.0	5	5	ug/L
CT14537	$8260DP25R	n-Propylbenzene	NY / TOGS - Water Quality / GA Criteria	64	1.0	5	5	ug/L
CT14537	$8260DP25R	o-Xylene	NY / TOGS - Water Quality / GA Criteria	120	10	5	5	ug/L
CT14537	$8260DP25R	Toluene	NY / TOGS - Water Quality / GA Criteria	38	1.0	5	5	ug/L
CT14537	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CT14538	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CT14538	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L

Tuesday, May 20, 2025

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GCT14536 - AMC-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CT14538	$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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

May 20, 2025

SDG I.D.: GCT14536

The samples in this delivery group were received at 1.3°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

WC IPG Temp 1.3 Pg 1 of 1

Data Delivery:
☐ Fax #:
☑ Emai ARIEL@AMC-ENGINEERING.COM

Customer: AMC ENGINEERING PLLC
Address: 18-36 42nd Street
Astoria NY 11105

Project: 3035 White Plains Road, Bx
Report to: ARIEL CZEMERINSKI
Invoice to: AMC ENGINEERING PLLC

Project P.O:
Phone #: 718 545-0474
Fax #: 516 706-3214

Client Sample Information - Identification

Sampler's Signature: (AE) Date: 4/25/2025

Matrix Code:
DW=drinking water **WW**=wastewater **S**=soil/solid **O**=oil
GW=groundwater **SL**=sludge **A**=air **X**=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	*MS/MSD (May be billable at analysis unit rate)	VOCs (8260)	+	+	+	+	+	+	+	+	+	Soil VOA [ ] Methanol [X] S. Bisulfate [ ] H2O	GL Soil container (8) oz	GL Soil container (2) oz	40 ml VOA Vial [ ] As is [x] HCl	GL Amber 1000ml [x] As is [x] H2SO4	PL As is [ ] 250ml [x] 500ml [x] 1000ml	PL HNO3 250ml	PL H2SO4 250ml			
14536	IRMW-14	GW	4/24/2025	2:45	X	X													9							
14537	Duplicate	GW	4/24/2025	2:45		X													3							
14538	* Trip blank	GW	N/A	N/A		X													2							

Relinquished by:	Accepted by:	Date:	Time:
(AE)		4-25-2025	1229
		4/25/25	1250
		4/25/25	1630

Comments, Special Requirements or Regulations:
* TB date 11-18-24 (BH)

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
■ Standard
* SURCHARGE APPLIES

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

NY
■ TOGS 1.1.1
☐ NY 375 GWP
☐ NY375 Unrestricted Soil
☐ NY375 Residential Soil
☐ NY375 Restricted

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

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

State where samples were collected: NY

**Please do not analyze overlapping parameters, twice.

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

APPENDIX C

Data Usability Summary Report (DUSR)

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

May 22, 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
April 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 April 2025 ground water sampling event. The data were acceptable for Phoenix Environmental Laboratories, Inc, SDG number GCT14536 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

z:\projects\2025\25600 - 25620\25606-3035 white plains road\temp-review\3035 white plains rd-253.ltr.docx

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-Dichlophenylacetic 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 andassociated 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.

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

Data Usability Summary Report for
Phoenix Environmental Laboratories, Inc.
SDG: GCT14536

1 Ground Sample, 1 Field Duplicate,
and 1 Trip Blank
Collected April 24, 2025

Prepared by: Donald Anné
May 22, 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 1 ground water sample, 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 positive volatile results for benzene, n-propylbenzene, sec-butylbenzene, p-isopropyltoluene, and n-butylbenzene were qualified as "estimated, biased high" (J+) for sample IRMW-14 because 1 or 2 percent recoveries for benzene, n-propylbenzene, sec-butylbenzene, p-isopropyltoluene, and n-butylbenzene were above QC limitsin the aqueous MS/MSD sample.

- The "not detected" volatile result for bromomethane was qualified as "estimated" (UJ) for sample IRMW-14 because 1 of 2 percent recoveries for bromomethane was below QC limits, but not below 30% in the aqueous MS/MSD sample.

- The positive volatile results for naphthalene were qualified as estimated (J) for samples IRMW-14 and DUPLICATE because the %RSD for naphthalene was above the allowable maximum in the associated initial calibration.

- The positive volatile result for n-butylbenzene was qualified as estimated (J) for sample DUPLICATE because the relative percent difference for n-butylbenzene was above the allowable maximum for the aqueous field duplicate pair IRMW-14/DUPLICATE.

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

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

Qualified Data Section

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2025

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		04/24/25	14:45
Location Code:	AMC-ENG	Received by:	CP	04/25/25	16:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCT14536
Phoenix ID: CT14536

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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Client MS/MSD	Completed					05/02/25			
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2,4-Trimethylbenzene	360	10	2.5	ug/L	10	05/02/25	MH	SW8260D	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	05/01/25	MH	SW8260D	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	05/01/25	MH	SW8260D	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,3,5-Trimethylbenzene	21	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
2-Hexanone	ND	2.5	2.5	ug/L	1	05/01/25	MH	SW8260D	
2-Isopropyltoluene	1.2	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	05/01/25	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	05/01/25	MH	SW8260D	
Acetone	ND		5.0	2.5	ug/L	1	05/01/25	MH	SW8260D	
Acrolein	ND		5.0	2.5	ug/L	1	05/01/25	MH	SW8260D	
Acrylonitrile	ND		5.0	2.5	ug/L	1	05/01/25	MH	SW8260D	
Benzene	22	J+	0.70	0.25	ug/L	1	05/01/25	MH	SW8260D	
Bromobenzene	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Bromochloromethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Bromoform	ND		5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Bromomethane	ND	UJ	5.0	0.50	ug/L	1	05/01/25	MH	SW8260D	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Chlorobenzene	ND		5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Chloroethane	ND		5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Chloroform	ND		5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Chloromethane	ND		5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
cis-1,2-Dichloroethene	0.35	J	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	05/01/25	MH	SW8260D	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Dibromomethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Ethylbenzene	300		10	2.5	ug/L	10	05/02/25	MH	SW8260D	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	05/01/25	MH	SW8260D	
Isopropylbenzene	22		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
m&p-Xylene	390		10	2.5	ug/L	10	05/02/25	MH	SW8260D	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	05/01/25	MH	SW8260D	
Methyl t-butyl ether (MTBE)	4.0		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Methylene chloride	ND		3.0	1.0	ug/L	1	05/01/25	MH	SW8260D	
Naphthalene	160	J	10	10	ug/L	10	05/02/25	MH	SW8260D	
n-Butylbenzene	5.5	J+	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
n-Propylbenzene	53	J+	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
o-Xylene	120		10	2.5	ug/L	10	05/02/25	MH	SW8260D	
p-Isopropyltoluene	2.1	J+	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
sec-Butylbenzene	3.9	J+	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Styrene	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	05/01/25	MH	SW8260D	1
Toluene	34		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	05/01/25	MH	SW8260D	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	05/01/25	MH	SW8260D	
Trichloroethene	1.1		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Vinyl chloride	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	95				%	1	05/01/25	MH	70 - 130 %	
% Bromofluorobenzene	100				%	1	05/01/25	MH	70 - 130 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	92			%	1	05/01/25	MH	70 - 130 %
% Toluene-d8	97			%	1	05/01/25	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (10x)	94			%	10	05/02/25	MH	70 - 130 %
% Bromofluorobenzene (10x)	93			%	10	05/02/25	MH	70 - 130 %
% Dibromofluoromethane (10x)	95			%	10	05/02/25	MH	70 - 130 %
% Toluene-d8 (10x)	97			%	10	05/02/25	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 (preceeded 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
May 20, 2025
Reviewed and Released by: Alejandro Paredes, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 20, 2025

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		04/24/25	14:46
Location Code:	AMC-ENG	Received by:	CP	04/25/25	16:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCT14536
Phoenix ID: CT14537

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	05/01/25	MH	SW8260D	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2,4-Trimethylbenzene	360	10	2.5	ug/L	10	05/02/25	MH	SW8260D	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	05/01/25	MH	SW8260D	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	05/01/25	MH	SW8260D	
1,2-Dichloropropane	ND	1.0	0.50	ug/L	1	05/01/25	MH	SW8260D	
1,3,5-Trimethylbenzene	25	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
2-Hexanone	ND	2.5	2.5	ug/L	1	05/01/25	MH	SW8260D	
2-Isopropyltoluene	1.4	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	05/01/25	MH	SW8260D	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	05/01/25	MH	SW8260D	
Acrolein	ND		5.0	2.5	ug/L	1	05/01/25	MH	SW8260D	
Acrylonitrile	ND		5.0	2.5	ug/L	1	05/01/25	MH	SW8260D	
Benzene	25		0.70	0.25	ug/L	1	05/01/25	MH	SW8260D	
Bromobenzene	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Bromochloromethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Bromoform	ND		5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Bromomethane	ND		5.0	0.50	ug/L	1	05/01/25	MH	SW8260D	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Chlorobenzene	ND		5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Chloroethane	ND		5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Chloroform	ND		5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Chloromethane	ND		5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	05/01/25	MH	SW8260D	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Dibromomethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Ethylbenzene	300		10	2.5	ug/L	10	05/02/25	MH	SW8260D	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	05/01/25	MH	SW8260D	
Isopropylbenzene	27		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
m&p-Xylene	380		10	2.5	ug/L	10	05/02/25	MH	SW8260D	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	05/01/25	MH	SW8260D	
Methyl t-butyl ether (MTBE)	4.2		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Methylene chloride	ND		3.0	1.0	ug/L	1	05/01/25	MH	SW8260D	
Naphthalene	170	J	10	10	ug/L	10	05/02/25	MH	SW8260D	
n-Butylbenzene	6.8	J	1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
n-Propylbenzene	64		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
o-Xylene	120		10	2.5	ug/L	10	05/02/25	MH	SW8260D	
p-Isopropyltoluene	2.1		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
sec-Butylbenzene	4.7		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Styrene	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	05/01/25	MH	SW8260D	1
Toluene	38		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	05/01/25	MH	SW8260D	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	05/01/25	MH	SW8260D	
Trichloroethene	ND		1.0	0.50	ug/L	1	05/01/25	MH	SW8260D	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
Vinyl chloride	ND		1.0	0.25	ug/L	1	05/01/25	MH	SW8260D	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	95				%	1	05/01/25	MH	70 - 130 %	
% Bromofluorobenzene	98				%	1	05/01/25	MH	70 - 130 %	
% Dibromofluoromethane	91				%	1	05/01/25	MH	70 - 130 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	96			%	1	05/01/25	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (10x)	94			%	10	05/02/25	MH	70 - 130 %
% Bromofluorobenzene (10x)	92			%	10	05/02/25	MH	70 - 130 %
% Dibromofluoromethane (10x)	95			%	10	05/02/25	MH	70 - 130 %
% Toluene-d8 (10x)	97			%	10	05/02/25	MH	70 - 130 %

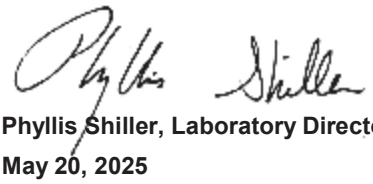
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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 (preceeded 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

May 20, 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

NY # 11301

Analysis Report

May 20, 2025

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

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		04/24/25	
Location Code:	AMC-ENG	Received by:	CP	04/25/25	16:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCT14536
Phoenix ID: CT14538

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	05/01/25	PS	SW8260D	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	05/01/25	PS	SW8260D	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	05/01/25	PS	SW8260D	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
2-Hexanone	ND	2.5	2.5	ug/L	1	05/01/25	PS	SW8260D	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	05/01/25	PS	SW8260D	

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

Phoenix I.D.: CT14538

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	5.0	2.5	ug/L	1	05/01/25	PS	SW8260D	
Acrolein	ND	5.0	2.5	ug/L	1	05/01/25	PS	SW8260D	
Acrylonitrile	ND	5.0	2.5	ug/L	1	05/01/25	PS	SW8260D	
Benzene	ND	0.70	0.25	ug/L	1	05/01/25	PS	SW8260D	
Bromobenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Bromochloromethane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Bromoform	ND	5.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Bromomethane	ND	5.0	0.50	ug/L	1	05/01/25	PS	SW8260D	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Chlorobenzene	ND	5.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Chloroethane	ND	5.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Chloroform	ND	5.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Chloromethane	ND	5.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	05/01/25	PS	SW8260D	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Dibromomethane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Ethylbenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	05/01/25	PS	SW8260D	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
m&p-Xylene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	05/01/25	PS	SW8260D	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Methylene chloride	ND	3.0	1.0	ug/L	1	05/01/25	PS	SW8260D	
Naphthalene	ND	1.0	1.0	ug/L	1	05/01/25	PS	SW8260D	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
o-Xylene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Styrene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	05/01/25	PS	SW8260D	1
Toluene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	05/01/25	PS	SW8260D	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	05/01/25	PS	SW8260D	
Trichloroethene	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
Vinyl chloride	ND	1.0	0.25	ug/L	1	05/01/25	PS	SW8260D	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	94			%	1	05/01/25	PS	70 - 130 %	
% Bromofluorobenzene	90			%	1	05/01/25	PS	70 - 130 %	
% Dibromofluoromethane	97			%	1	05/01/25	PS	70 - 130 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	97			%	1	05/01/25	PS	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 (preceeded 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.

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Phyllis Shiller, Laboratory Director
May 20, 2025
Reviewed and Released by: Alejandro Paredes, Project Manager

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260D Volatiles Data
for Phoenix Environmental Laboratories, Inc.
SDG: GCT14536

1 Ground Sample, 1 Field Duplicate,
and 1 Trip Blank
Collected April 24, 2025

Prepared by: Donald Anné
May 22, 2025

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), as required.

The %RSDs for bromoform, trans-1,4-dichloro-2-butene, 1,2-dibromo-3-chloropropane, and naphthalene were above the allowable maximum (30%) for CHEM23 on 04-29-25. Positive results for these compounds should be considered estimated (J) in associated samples.

Continuing Calibration: The average RRFs for applicable compounds were above the method minimums and the %Ds were below the method maximum, as required.

The RRFs for target compounds were above the allowable minimum (0.010) and the %Ds were below the allowable maximum (20%), as required.

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.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

Matrix Spike/Matrix Spike Duplicate: The relative percent difference for bromomethane and n-propylbenzene were above the allowable maximum; 1 or 2 percent recoveries (%Rs) for 7 compounds (highlighted yellow on attached for 3C) were above QC limits; and 1 of 2 %Rs for bromomethane was below QC limits, but not below 30% for aqueous MS/MSD sample IRMW-14. The positive results for benzene, n-propylbenzene, sec-butylbenzene, p-isopropyltoluene, and n-butylbenzene should be considered estimated, biased high (J-) and the "not detected" result for bromomethane estimated (UJ) in sample IRMW-14.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum and the percent recoveries (%Rs) were within QC limits for aqueous samples CT14536 LCS and CT14537 LCS.

Field Duplicates: The relative percent difference for n-butylbenzene was above the allowable maximum (20%) for aqueous field duplicate pair IRMW-14/DUPLICATE (attached table). Positive results for n-butylbenzene should be considered estimated (J) in samples IRMW-14 and DUPLICATE.

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 MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GCT14536

Matrix Spike - Client Id: CT14536 / IRMW-14 MS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	MS CONCENTRATION ug/L	MS % REC #	QC. LIMITS REC.	
Dichlorodifluoromethane	50.00	0.0	24.86	124	70	130
Chloromethane	50.00	0.0	21.83	109	70	130
Vinyl Chloride	50.00	0.0	23.03	115	70	130
Bromomethane	50.00	0.0	9.966	50 *	70	130
Chloroethane	50.00	0.0	22.22	111	70	130
Trichlorofluoromethane	50.00	0.0	25.22	126	70	130
1,1-Dichloroethene	50.00	0.0	23.05	115	59	172
Trichlorotrifluoroethane	50.00	0.0	25.22	126	70	130
Carbon Disulfide	50.00	0.0	23.11	116	70	130
Acrolein	250.0	0.0	118.2	118	70	130
Methylene Chloride	50.00	0.0	19.66	98	70	130
Acetone	50.00	0.0	86.23	172 *	70	130
Trans-1,2-Dichloroethene	50.00	0.0	21.66	108	70	130
Methyl t-Butyl Ether (MTBE)	50.00	4.0	24.02	100	70	130
1,1-Dichloroethane	50.00	0.0	21.83	109	70	130
Acrylonitrile	50.00	0.0	32.62	163 *	70	130
Cis-1,2-Dichloroethene	50.00	0.35	21.22	104	70	130
2,2-Dichloropropane	50.00	0.0	17.07	85	70	130
Bromochloromethane	50.00	0.0	19.47	97	70	130

COMPOUND	SPIKE ADDED ug/L	MSD CONCENTRATION ug/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
Dichlorodifluoromethane	50.00	26.56	133 *	7.0	30	70	130
Chloromethane	50.00	24.48	122	11.3	30	70	130
Vinyl Chloride	50.00	23.37	117	1.7	30	70	130
Bromomethane	50.00	15.28	76	41.3 *	30	70	130
Chloroethane	50.00	25.23	126	12.7	30	70	130
Trichlorofluoromethane	50.00	25.88	129	2.4	30	70	130
1,1-Dichloroethene	50.00	23.01	115	0.0	30	59	172
Trichlorotrifluoroethane	50.00	25.02	125	0.8	30	70	130
Carbon Disulfide	50.00	23.31	117	0.9	30	70	130
Acrolein	250.0	97.67	98	18.5	30	70	130
Methylene Chloride	50.00	19.98	100	2.0	30	70	130
Acetone	50.00	63.85	128	29.3	30	70	130
Trans-1,2-Dichloroethene	50.00	21.72	109	0.9	30	70	130
Methyl t-Butyl Ether (MTBE)	50.00	23.63	98	2.0	30	70	130
1,1-Dichloroethane	50.00	21.93	110	0.9	30	70	130
Acrylonitrile	50.00	27.82	139 *	15.9	30	70	130
Cis-1,2-Dichloroethene	50.00	22.79	112	7.4	30	70	130
2,2-Dichloropropane	50.00	19.04	95	11.1	30	70	130
Bromochloromethane	50.00	21.15	106	8.9	30	70	130

FORM III VOA

3C

WATER VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GCT14536

Matrix Spike - Client Id: CT14536 / IRMW-14 MS Level:(low/med) Med

COMPOUND	SPIKE ADDED ug/L	SAMPLE CONCENTRATION ug/L	MS CONCENTRATION ug/L	MS % REC #	QC. LIMITS REC.	
Chloroform	50.00	0.0	21.38	107	70	130
Carbon Tetrachloride	50.00	0.0	23.49	117	70	130
Tetrahydrofuran (THF)	125.0	0.0	40.10	80	70	130
1,1,1-Trichloroethane	50.00	0.0	20.63	103	70	130
Methyl Ethyl Ketone	50.00	0.0	32.33	162 *	70	130
1,1-Dichloropropene	50.00	0.0	21.82	109	70	130
Benzene	50.00	22	51.97	148 *	66	142
1,2-Dichloroethane	50.00	0.0	18.83	94	70	130
Trichloroethene	50.00	1.1	21.21	101	62	137
Dibromomethane	50.00	0.0	18.68	93	70	130
1,2-dichloropropane	50.00	0.0	20.80	104	70	130
Bromodichloromethane	50.00	0.0	19.27	96	70	130
cis-1,3-Dichloropropene	50.00	0.0	18.91	95	70	130
Toluene	50.00	34	73.98	80	59	139
4-Methyl-2-Pentanone	50.00	0.0	20.09	100	70	130
Tetrachloroethene	50.00	0.0	21.89	109	70	130
trans-1,3-Dichloropropene	50.00	0.0	18.37	92	70	130
1,1,2-Trichloroethane	50.00	0.0	20.95	105	70	130
Dibromochloromethane	50.00	0.0	18.92	95	70	130

COMPOUND	SPIKE ADDED ug/L	MSD CONCENTRATION ug/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
Chloroform	50.00	22.14	111	3.7	30	70	130
Carbon Tetrachloride	50.00	22.69	113	3.5	30	70	130
Tetrahydrofuran (THF)	125.0	43.18	86	7.2	30	70	130
1,1,1-Trichloroethane	50.00	22.78	114	10.1	30	70	130
Methyl Ethyl Ketone	50.00	28.69	143 *	12.5	30	70	130
1,1-Dichloropropene	50.00	24.11	121	10.4	30	70	130
Benzene	50.00	48.11	129	13.7	30	66	142
1,2-Dichloroethane	50.00	20.39	102	8.2	30	70	130
Trichloroethene	50.00	22.82	109	7.6	30	62	137
Dibromomethane	50.00	20.69	103	10.2	30	70	130
1,2-dichloropropane	50.00	22.07	110	5.6	30	70	130
Bromodichloromethane	50.00	21.29	106	9.9	30	70	130
cis-1,3-Dichloropropene	50.00	21.25	106	10.9	30	70	130
Toluene	50.00	64.74	61	27.0	30	59	139
4-Methyl-2-Pentanone	50.00	21.54	108	7.7	30	70	130
Tetrachloroethene	50.00	23.68	118	7.9	30	70	130
trans-1,3-Dichloropropene	50.00	20.16	101	9.3	30	70	130
1,1,2-Trichloroethane	50.00	22.21	111	5.6	30	70	130
Dibromochloromethane	50.00	21.56	108	12.8	30	70	130

FORM III VOA

3C

WATER VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GCT14536

Matrix Spike - Client Id: CT14536 / IRMW-14 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	50.00	0.0	19.33	97	70	130
1,2-Dibromoethane	50.00	0.0	19.17	96	70	130
2-Hexanone	50.00	0.0	18.94	95	70	130
Chlorobenzene	50.00	0.0	21.20	106	60	133
Ethylbenzene	50.00	300	489.0	NC	70	130
1,1,1,2-Tetrachloroethane	50.00	0.0	19.56	98	70	130
m&p-Xylene	100.0	390	399.9	NC	70	130
o-Xylene	50.00	120	228.7	NC	70	130
Styrene	50.00	0.0	22.60	113	70	130
Bromoform	50.00	0.0	18.70	93	70	130
Isopropylbenzene	50.00	22	65.89	88	70	130
Bromobenzene	50.00	0.0	19.55	98	70	130
n-Propylbenzene	50.00	53	141.3	177 *	70	130
1,1,2,2-Tetrachloroethane	50.00	0.0	18.25	91	70	130
2-Chlorotoluene	50.00	0.0	20.52	103	70	130
1,3,5-Trimethylbenzene	50.00	21	68.08	94	70	130
1,2,3-Trichloropropane	50.00	0.0	18.99	95	70	130
trans-1,4-Dichloro-2-butene	250.0	0.0	81.14	81	70	130
4-Chlorotoluene	50.00	0.0	21.35	107	70	130

COMPOUND	SPIKE ADDED ug/L	MSD CONCENTRATION ug/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
1,3-Dichloropropane	50.00	20.61	103	6.0	30	70	130
1,2-Dibromoethane	50.00	20.80	104	8.0	30	70	130
2-Hexanone	50.00	19.65	98	3.1	30	70	130
Chlorobenzene	50.00	22.64	113	6.4	30	60	133
Ethylbenzene	50.00	387.3	NC	NC	30	70	130
1,1,1,2-Tetrachloroethane	50.00	21.85	109	10.6	30	70	130
m&p-Xylene	100.0	478.4	NC	NC	30	70	130
o-Xylene	50.00	178.3	NC	NC	30	70	130
Styrene	50.00	23.31	117	3.5	30	70	130
Bromoform	50.00	20.74	104	11.2	30	70	130
Isopropylbenzene	50.00	57.74	71	21.4	30	70	130
Bromobenzene	50.00	21.48	107	8.8	30	70	130
n-Propylbenzene	50.00	109.9	114	43.3 *	30	70	130
1,1,2,2-Tetrachloroethane	50.00	19.78	99	8.4	30	70	130
2-Chlorotoluene	50.00	22.25	111	7.5	30	70	130
1,3,5-Trimethylbenzene	50.00	57.56	73	25.1	30	70	130
1,2,3-Trichloropropane	50.00	19.96	100	5.1	30	70	130
trans-1,4-Dichloro-2-butene	250.0	92.52	93	13.8	30	70	130
4-Chlorotoluene	50.00	23.02	115	7.2	30	70	130

FORM III VOA

3C

WATER VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GCT14536

Matrix Spike - Client Id: CT14536 / IRMW-14 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	50.00	0.0	23.12	116		70	130
1,2,4-Trimethylbenzene	50.00	360	381.5	NC		70	130
sec-Butylbenzene	50.00	3.9	31.53	138	*	70	130
p-Isopropyltoluene	50.00	2.1	36.28	171	*	70	130
1,3-Dichlorobenzene	50.00	0.0	20.93	105		70	130
1,4-Dichlorobenzene	50.00	0.0	21.25	106		70	130
2-Isopropyltoluene	50.00	1.2	24.35	116		70	130
n-Butylbenzene	50.00	5.5	36.41	154	*	70	130
1,2-Dichlorobenzene	50.00	0.0	19.79	99		70	130
1,2-Dibromo-3-Chloropropane	50.00	0.0	18.29	91		70	130
Hexachlorobutadiene	50.00	0.0	20.33	102		70	130
1,2,4-Trichlorobenzene	50.00	0.0	22.02	110		70	130
Naphthalene	50.00	160	286.9	NC		70	130
1,2,3-Trichlorobenzene	50.00	0.0	21.00	105		70	130

COMPOUND	SPIKE ADDED ug/L	MSD CONCENTRATION ug/L	MSD % REC	#	% RPD	#	QC LIMITS RPD	QC LIMITS REC.	
tert-Butylbenzene	50.00	24.84	124		6.7		30	70	130
1,2,4-Trimethylbenzene	50.00	332.2	NC		NC		30	70	130
sec-Butylbenzene	50.00	31.06	136	*	1.5		30	70	130
p-Isopropyltoluene	50.00	35.05	165	*	3.6		30	70	130
1,3-Dichlorobenzene	50.00	23.02	115		9.1		30	70	130
1,4-Dichlorobenzene	50.00	23.36	117		9.9		30	70	130
2-Isopropyltoluene	50.00	26.01	124		6.7		30	70	130
n-Butylbenzene	50.00	34.55	145	*	6.0		30	70	130
1,2-Dichlorobenzene	50.00	21.45	107		7.8		30	70	130
1,2-Dibromo-3-Chloropropane	50.00	20.23	101		10.4		30	70	130
Hexachlorobutadiene	50.00	22.34	112		9.3		30	70	130
1,2,4-Trichlorobenzene	50.00	23.70	119		7.9		30	70	130
Naphthalene	50.00	243.3	NC		NC		30	70	130
1,2,3-Trichlorobenzene	50.00	23.00	115		9.1		30	70	130

FORM III VOA

6B
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCT14536

Instrument ID: CHEM23 Calibration Date(s): 04/29/25 04/29/25

Heated Purge (Y/N): N Calibration Time(s): 01:37 03:54

GC Column: Method File: VOA23_042825.M

LAB FILE ID:

RRF 0.5	0428_39.D	RRF 5	0428_41.D	RRF 10	0428_42.D	RRF 20	0428_43.D
RRF 50	0428_44.D	RRF 100	0428_45.D				

COMPOUND		RRF 0.5	RRF 5	RRF 10	RRF 20	RRF 50	RRF 100			$\overline{RRF}$	% RSD	% RSD LIMITS
Dichlorodifluoromethane		0.477	0.632	0.677	0.636	0.679	0.713			0.636	13.1	20 (40)
Chloromethane		0.762	0.828	0.852	0.786	0.822	0.860			0.819	4.6	20 (40)
Vinyl Chloride		0.572	0.740	0.754	0.704	0.744	0.768			0.713	10.2	20 (30)
Bromomethane		0.262	0.191	0.195	0.201	0.221	0.232			0.217	12.5	20 (40)
Chloroethane		0.275	0.271	0.265	0.226	0.211	0.192			0.240	14.6	20 (40)
Trichlorofluoromethane		0.557	0.743	0.767	0.698	0.718	0.701			0.697	10.6	20 (40)
1,1-Dichloroethene		0.393	0.465	0.463	0.430	0.449	0.453			0.442	6.1	20 (30)
Trichlorotrifluoroethane		0.245	0.365	0.385	0.348	0.369	0.375			0.348	14.9	20 (40)
Carbon Disulfide		1.220	1.383	1.440	1.315	1.370	1.364			1.349	5.5	20 (40)
Acrolein		0.102	0.093	0.095	0.091	0.093	0.093			0.095	4.3	20 (40)
Methylene Chloride		0.571	0.532	0.527	0.475	0.498	0.496			0.517	6.6	20 (40)
Acetone			0.154	0.162	0.149	0.147	0.148			0.152	4.1	20 (40)
Trans-1,2-Dichloroethene		0.464	0.525	0.524	0.485	0.504	0.498			0.500	4.7	20 (40)
Methyl t-Butyl Ether (MTBE)		1.078	1.299	1.318	1.233	1.294	1.289			1.252	7.2	20 (40)
1,1-Dichloroethane		0.781	0.957	0.980	0.895	0.932	0.930			0.913	7.7	20 (40)
Acrylonitrile		0.176	0.204	0.204	0.193	0.193	0.196			0.194	5.3	20 (40)
Cis-1,2-Dichloroethene		0.453	0.601	0.550	0.563	0.529	0.612			0.551	10.4	20 (40)
2,2-Dichloropropane		0.622	0.817	0.838	0.765	0.827	0.866			0.789	11.2	20 (40)
Bromochloromethane		0.242	0.271	0.287	0.270	0.283	0.302			0.276	7.4	20 (40)
Chloroform		0.909	1.086	1.114	1.038	1.100	1.112			1.060	7.5	20 (30)
Carbon Tetrachloride		0.406	0.552	0.565	0.549	0.646	0.728			0.575	18.8	20 (40)
Tetrahydrofuran (THF)			0.187	0.187	0.182	0.189	0.194			0.188	2.3	20 (40)
1,1,1-Trichloroethane		0.632	0.833	0.857	0.823	0.894	0.941			0.830	12.8	20 (40)
Methyl Ethyl Ketone			0.264	0.275	0.273	0.281	0.289			0.276	3.4	20 (40)
1,1-Dichloropropene		0.374	0.467	0.484	0.453	0.474	0.488			0.457	9.3	20 (40)
Benzene		1.124	1.368	1.402	1.295	1.372	1.395			1.326	8.0	20 (40)
1,2-Dichloroethane		0.473	0.546	0.560	0.512	0.534	0.519			0.524	5.8	20 (40)
Trichloroethene		0.282	0.356	0.367	0.337	0.360	0.375			0.346	9.8	20 (40)
Dibromomethane		0.198	0.214	0.217	0.204	0.217	0.219			0.211	3.9	20 (40)
1,2-dichloropropane		0.316	0.359	0.378	0.352	0.372	0.374			0.359	6.4	20 (30)
Bromodichloromethane		0.340	0.397	0.416	0.403	0.442	0.461			0.410	10.2	20 (40)
cis-1,3-Dichloropropene		0.359	0.477	0.516	0.491	0.545	0.562			0.492	14.7	20 (40)
Toluene		0.679	0.831	0.871	0.800	0.858	0.889			0.821	9.3	20 (30)
4-Methyl-2-Pentanone			0.330	0.356	0.345	0.368	0.390			0.358	6.3	20 (40)
Tetrachloroethene		0.212	0.257	0.274	0.253	0.274	0.293			0.261	10.7	20 (40)
trans-1,3-Dichloropropene		0.330	0.405	0.453	0.437	0.497	0.513			0.439	15.1	20 (40)
1,1,2-Trichloroethane		0.224	0.274	0.288	0.268	0.288	0.291			0.272	9.3	20 (40)
Dibromochloromethane		0.189	0.259	0.274	0.281	0.334	0.359			0.283	21.1 +	20 (40)
1,3-Dichloropropane		0.448	0.554	0.570	0.533	0.560	0.552			0.536	8.4	20 (40)
1,2-Dibromoethane		0.260	0.321	0.335	0.315	0.338	0.340			0.318	9.6	20 (40)
2-Hexanone			0.234	0.255	0.253	0.274	0.285			0.260	7.6	20 (40)
Chlorobenzene		0.843	1.009	1.018	0.946	1.011	1.045			0.979	7.6	20 (40)
Ethylbenzene		0.384	0.516	0.536	0.503	0.542	0.564			0.507	12.6	20 (30)
1,1,1,2-Tetrachloroethane		0.193	0.270	0.289	0.282	0.323	0.343			0.283	18.4	20 (40)
m&p-Xylene		0.446	0.621	0.660	0.619	0.677	0.700			0.620	14.7	20 (40)
o-Xylene		0.450	0.578	0.621	0.584	0.635	0.664			0.589	12.8	20 (40)
Styrene		0.623	0.954	1.035	0.979	1.088	1.166			0.974	19.3	20 (40)
Bromoform		0.091	0.128	0.143	0.151	0.193	0.231			0.156	31.6 +	20 (40)

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

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %

(l) linear (li) linear inverse conc weight (li2) linear inverse conc weight squared (q) quadratic (qi) quadratic inverse conc weight (qi2) quadratic inverse conc weight squared

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

FORM VI VOA

6C
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs Client: AMC-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCT14536

Instrument ID: CHEM23 Calibration Date(s): 04/29/25 04/29/25

Heated Purge (Y/N): N Calibration Time(s): 01:37 03:54

GC Column: Method File: VOA23_042825.M

LAB FILE ID:

RRF 0.5	0428_39.D	RRF 5	0428_41.D	RRF 10	0428_42.D	RRF 20	0428_43.D
RRF 50	0428_44.D	RRF 100	0428_45.D				

COMPOUND		RRF 0.5	RRF 5	RRF 10	RRF 20	RRF 50	RRF 100			$\overline{RRF}$	% RSD	% RSD LIMITS
Isopropylbenzene		0.479	0.753	0.793	0.724	0.785	0.804			0.723	17.0	20 (40)
Bromobenzene		0.643	0.761	0.763	0.711	0.747	0.761			0.731	6.5	20 (40)
n-Propylbenzene		0.589	0.775	0.813	0.747	0.804	0.831			0.760	11.7	20 (40)
1,1,2,2-Tetrachloroethane		0.615	0.744	0.776	0.735	0.753	0.754			0.729	7.9	20 (40)
2-Chlorotoluene		0.501	0.688	0.690	0.645	0.694	0.705			0.654	11.9	20 (40)
1,3,5-Trimethylbenzene		1.652	2.405	2.490	2.340	2.512	2.607			2.334	14.9	20 (40)
1,2,3-Trichloropropane		0.594	0.670	0.672	0.635	0.642	0.624			0.639	4.6	20 (40)
trans-1,4-Dichloro-2-butene		0.091	0.159	0.187	0.206	0.247	0.277			0.195	33.8 +	20 (40)
4-Chlorotoluene		0.526	0.735	0.756	0.679	0.712	0.724			0.689	12.2	20 (40)
tert-Butylbenzene		1.449	2.028	2.113	1.973	2.131	2.240			1.989	14.1	20 (40)
1,2,4-Trimethylbenzene		1.635	2.424	2.546	2.384	2.570	2.650			2.368	15.7	20 (40)
sec-Butylbenzene		2.099	3.074	3.235	2.989	3.296	3.431			3.021	15.8	20 (40)
p-Isopropyltoluene		1.756	2.535	2.711	2.530	2.837	2.994			2.560	16.9	20 (40)
1,3-Dichlorobenzene		1.029	1.418	1.452	1.349	1.468	1.512			1.371	12.9	20 (40)
1,4-Dichlorobenzene		1.313	1.481	1.510	1.370	1.503	1.560			1.456	6.5	20 (40)
2-Isopropyltoluene		1.769	2.495	2.603	2.417	2.660	2.766			2.452	14.5	20 (40)
n-Butylbenzene		1.630	2.401	2.599	2.423	2.702	2.797			2.425	17.3	20 (40)
1,2-Dichlorobenzene		1.244	1.446	1.444	1.346	1.435	1.484			1.400	6.4	20 (40)
1,2-Dibromo-3-Chloropropane		0.043	0.083	0.092	0.100	0.118	0.127			0.094	31.7 +	20 (40)
Hexachlorobutadiene		0.296	0.341	0.358	0.324	0.354	0.362			0.339	7.5	20 (40)
1,2,4-Trichlorobenzene		0.511	0.792	0.863	0.826	0.898	0.916			0.801	18.6	20 (40)
Naphthalene		0.651	1.380	1.784	1.882	2.148	2.224			1.678	34.9 +	20 (40)
1,2,3-Trichlorobenzene		0.461	0.719	0.797	0.759	0.825	0.844			0.734	19.2	20 (40)
% Dibromofluoromethane		0.102	0.102	0.103	0.104	0.103	0.107			0.103	1.9	20 (40)
% Toluene-d8		1.247	1.236	1.252	1.237	1.227	1.208			1.235	1.3	20 (40)
% Bromofluorobenzene		0.519	0.530	0.543	0.539	0.538	0.546			0.536	1.9	20 (40)
% 1,2-dichlorobenzene-d4		1.052	1.051	1.057	1.048	1.059	1.056			1.054	0.4	20 (40)

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

%D: 10% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %

(l) linear (li) linear inverse conc weight (li2) linear inverse conc weight squared (q) quadratic (qi) quadratic inverse conc weight (qi2) quadratic inverse conc weight squared

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

FORM VI VOA

Field Duplicate Calculation Section

Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. GCT14536

S1= IRMW-14 **S2=** DUPLICATE

Analyte	S1	S2	RPD (%)	
1,2,4-Trimethylbenzene	360	360	0%	
2-Isopropyltoluene	1.2	1.4	15%	
1,3,5-Trimethylbenzene	21	25	17%	
Benzene	22	25	13%	
cis-1,2-Dichloroethene	**0.35**	ND	NC	
Ethylbenzene	300	300	0%	
Isopropylbenzene	22	27	20%	
m&p-Xylene	390	380	3%	
Methyl t-butyl ether (MTBE)	4	4.2	5%	
Naphthalene	160	170	6%	
n-Butylbenzene	5.5	6.8	21%	*
n-Propylbenzene	53	64	19%	
o-Xylene	120	120	0%	
p-Isopropyltoluene	2.1	2.1	0%	
sec-Butylbenzene	3.9	4.7	19%	
Toluene	34	38	11%	
Trichloroethene	1.1	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.