



AMC Engineering PLLC

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December 2, 2022

Ms. Jane O'Connell
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 Ms. O'Connell:

Please find the enclosed Quarterly Groundwater Sampling Report for the above referenced project for the fourth quarter of 2022. In accordance with the Site Management Plan (SMP), a round of groundwater sampling was performed on November 10, 2022 for IRMW-7, IRMW-10, IRMW-11, and IRMW-14. There is no quarterly groundwater sampling report for the third quarter as it was mistakenly thought that monitoring switched to semi-annual groundwater monitoring. We will implement measures such that this will not occur in the future.

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

Very truly yours,

Andrew Sung, EIT
Environmental Engineer

Cc: A. Arker, Bedford Park Associates LLC
A. Czemerinski, AMC



FORMER DICO G AUTO & TRUCK REPAIR

NYSDEC BCP Number C203039

Project Status Report

4th Quarter 2022

Reporting Summary

Report Date:	December 2, 2022
Reporting Period:	4 th Quarter of 2022
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:	November 10, 2022 – Groundwater sampling events performed on four monitoring wells: two off-site and two on-site. Collected depth to water readings from all accessible wells.
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
Gauging Frequency:	Quarterly for the four monitoring wells.
Sampling Frequency:	Quarterly, for the four monitoring wells
Reporting Frequency:	Groundwater Sampling Report (Quarterly).
Groundwater Depth:	~6.65 ft (basement level), 19 ft (sidewalk grade)
GW Flow Direction:	To the West onto the site
Monitoring Results:	No product was detected within any of the monitoring wells.





Sampling Results:

Petroleum related VOCs were detected above NYSDEC GQS in all of the monitoring wells this round of sampling.

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 August 1, 2013.

LIQUID LEVEL MONITORING:

Depth to water readings were taken from the 4 monitoring wells sampled with an electronic interface meter prior to purging the wells for sampling. As previously noted, no Liquid Phase Hydrocarbons (LPH) was detected in any of the monitoring wells or injections points during this quarter.

Groundwater elevation, as determined from the depth to water readings and casing elevation, was used to approximate groundwater contours and the groundwater flow direction for the site (**Figure 2**). Groundwater beneath the site occurs in fractured bedrock with the fracture traces generally trending West onto the site.

GROUNDWATER SAMPLING:

The 4Q22 groundwater sampling event was performed on November 10, 2022. The groundwater samples were collected from IRMW-7, IRMW-10, IRMW-11, and IRMW-14 in accordance with the low-flow groundwater sampling procedures outlined within the SMP. See **Figure 1** for the location of all on-site and off-site monitoring wells and chemical oxidant injection wells. A copy of each 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.

Copies of the laboratory reports are attached as **Appendix B**. The laboratory results are summarized and compared to their appropriate standards/criteria in **Table 2** and to previous sampling events in **Tables 3-6**. The total VOC and BTEX concentrations for the quarter are plotted on **Figure 3**.

GROUNDWATER SAMPLING RESULTS:

IRMW-7 – Total VOC concentrations within IRMW-7 have shown an increase from 154.46 µg/L to 266.26 µg/L since the 2Q22 sampling event. Total BTEX have shown an increase from





7.58 µg/L to 12.90 µg/L. The concentrations continue to follow an overall decreasing trend with some minor fluctuations between quarters.

IRMW-10 – Total VOC concentrations have shown a decrease from 477.64 µg/L to 468.48 µg/L since the 2Q22 sampling event. Total BTEX have shown a decrease from 23.47 µg/L to 22.99 µg/L. The concentrations appear to follow an overall decreasing trend with some minor fluctuations between quarters.

IRMW-11 - Total VOC concentrations have shown an increase from 84.14 µg/L to 132.98 µg/L since the 2Q22 sampling event. Total BTEX have shown an increase from 1.60 µg/L to 2.58 µg/L. The concentrations appear to follow an overall decreasing trend with some minor fluctuations between quarters.

IRMW-14 – Total VOC concentrations have shown an increase from 1,033.90 µg/L to 1,375.33 µg/L since the 2Q22 sampling event. Total BTEX have shown an increase from 491.60 µg/L to 704.00 µg/L. The concentrations have been following a decreasing trend since the 3Q2018 sampling event.

GROUNDWATER VOC CONCENTRATION TRENDS:

As depicted in the concentration graphs (**Graphs 1-4**), remedial efforts from 2011 through 2013 resulted in a significant reduction in VOC concentrations in the current focus area as defined by wells IRMW-7, IRMW-10, IRMW-11 and IRMW-14. An increase in VOC concentration has been noted within IRMW-11 since the first quarter of 2020 groundwater sampling event. There remains an overall decreasing trend, and this increase is consistent with the spikes in concentration noted every few quarters. The concentrations within IRMW-14 increased during this sampling event and follow an overall decreasing trend. Overall, VOC concentrations are still well below pre-injection concentrations and each well follows a generally decreasing trend.

FUTURE PLANS / 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 fractures that well 14 intersects and through which very little groundwater passes through.

Quarterly groundwater sampling will continue as outlined by the SMP until otherwise noted by the Department, however, given that the monitoring wells have demonstrated asymptotic reduction, we request that the Department reduces groundwater monitoring from quarterly to yearly.



TABLES



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

Table 1
Well Survey Data

Well No.	Well Diameter (in)	Total Well Depth (ft)	Screened Interval (ft)	Casing Elevation	DTW 11/10/2022	DTP	PT	GW ELV 11/10/2022
IRMW-7	2	19.38	15 to 20	110.62	16.23	-	-	94.39
IRMW-10	2	19.94		110.60	16.25			94.35
IRMW-11	2	19.4		110.71	16.25			94.46
IRMW-14	2	19.2	15 to 20		16.28	-	-	

TABLE 2
3035 White Plains Road, Bronx, NY
Groundwater Sample Results
4th Quarter 2022 - November 2022

COMPOUND	NYSDEC Ambient Water Quality Standards µg/L	IRMW-7		IRMW-10		IRMW-11		IRMW-14	
		11/10/2022		11/10/2022		11/10/2022		11/10/2022	
		Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	5	< 5.0	5	< 10	10	< 5.0	5	< 5.0	5
1,1,2,2-Tetrachloroethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,1,2-Trichloroethane	1	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,1,2-Trichlorotrifluoroethane	5								
1,1-Dichloroethane	5	< 5.0	5	< 10	10	< 5.0	5	< 5.0	5
1,1-Dichloroethene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,1-Dichloropropene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,2,3-Trichlorobenzene		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,2,3-Trichloropropane	0.04	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,2,4-Trichlorobenzene		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,2,4-Trimethylbenzene	5	0.7	1	0.59	2	< 1.0	1	380	20
1,2-Dibromo-3-Chloropropane	0.04	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,2-Dibromoethane		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,2-Dichlorobenzene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,2-Dichloroethane	0.6	< 0.60	0.6	< 1.2	1.2	< 0.60	0.6	< 0.60	0.6
1,2-Dichloroethylene (Total)									
1,2-Dichloropropane	1	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,3,5-Trimethylbenzene	5	0.36	1	< 2.0	2	< 1.0	1	57	1
1,3-Dichlorobenzene		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,3-Dichloropropane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,4-dioxane		< 0.57	0.57	< 0.57	0.57	< 0.57	0.57	< 0.57	1
2,2-Dichloropropane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
2-Butanone									
2-Chlorotoluene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
2-Hexanone		< 2.5	2.5	< 5.0	5	< 2.5	2.5	< 2.5	2.5
2-Isopropyltoluene	5	5	1	6.3	2	4.6	1	0.3	1
4-Chlorotoluene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
4-Methyl-2-Pentanone		< 2.5	2.5	< 5.0	5	< 2.5	2.5	< 2.5	2.5
Acetone		< 5.0	5	< 10	10	< 5.0	5	12	5
Acrolein	5	< 5.0	5	< 10	10	< 5.0	5	< 5.0	5
Acrylonitrile	5	< 5.0	5	< 10	10	< 5.0	5	< 5.0	5
Benzene	1	4.7	0.7	11	1.4	1.8	0.7	17	0.7
Bromobenzene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Bromochloromethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Bromodichloromethane		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Bromoform		< 5.0	5	< 10	10	< 5.0	5	< 5.0	5
Bromomethane	5	< 5.0	5	< 10	10	< 5.0	5	< 5.0	5
Carbon Disulfide	60	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Carbon Tetrachloride	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Chlorobenzene	5	< 5.0	5	< 10	10	< 5.0	5	< 5.0	5
Chloroethane	5	< 5.0	5	< 10	10	< 5.0	5	< 5.0	5
Chloroform	7	< 5.0	5	< 10	10	< 5.0	5	< 5.0	5
Chloromethane	60	< 5.0	5	< 10	10	< 5.0	5	< 5.0	5
cis-1,2-Dichloroethene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
cis-1,3-Dichloropropene		< 0.40	0.4	< 0.80	0.8	< 0.40	0.4	< 0.40	0.4
Cyclohexane									
Dibromochloromethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Dibromomethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Dichlorodifluoromethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Ethyl Benzene	5	2.8	1	7.2	2	0.25	1	140	20
Hexachlorobutadiene	0.5	< 0.50	0.5	< 1.0	1	< 0.50	0.5	< 0.50	0.5
Isopropylbenzene	5	51	1	75	2	6.2	1	7.7	1
m/p-Xylenes	5	2.5	1	2.2	2	0.53	1	390	20
Methyl Acetate									
Methyl Cyclohexane									
Methyl ethyl ketone		< 2.5	2.5	< 5.0	5	< 2.5	2.5	4.5	2.5
Methyl tert-butyl Ether	10	8.7	1	10	2	8.1	1	15	1
Methylene Chloride	5	< 3.0	3	< 6.0	6	< 3.0	3	< 3.0	3
Naphthalene	10	3.2	1	28	2	< 1.0	1	170	20
n-Butylbenzene	5	6.6	1	24	2	1.5	1	2	1
n-Propylbenzene	5	35	1	150	2	2.1	1	22	1
o-Xylene	5	1.9	1	0.99	2	< 1.0	1	100	20
p-Isopropyltoluene		< 1.0	1	3.4	2	< 1.0	1	0.83	1
sec-Butylbenzene	5	21	1	26	2	8.2	1	< 1.0	1
Styrene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
t-1,3-Dichloropropene	0.4								
Tert-butyl alcohol		120	50	120	100	98	50	< 50	50
tert-Butylbenzene	5	1.8	1	2.2	2	1.7	1	< 1.0	1
Tetrachloroethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Tetrahydrofuran (THF)		< 5.0	5	< 10	10	< 5.0	5	< 5.0	5
Toluene	5	1	1	1.6	2	< 1.0	1	57	1
trans-1,2-Dichloroethene	5	< 5.0	5	< 10	10	< 5.0	5	< 5.0	5
trans-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.80	0.8	< 0.40	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	< 2.5	2.5	< 5.0	5	< 2.5	2.5	< 2.5	2.5
Trichloroethene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Trichlorofluoromethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Trichlorotrifluoroethane		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Vinyl Acetate									
Vinyl Chloride	2	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Total BTEX Concentration		12.90		22.99		2.58		704.00	
Total Chlorinated VOC Concentrations		0.00		0.00		0.00		0.00	
Total VOCs		266.26		468.48		132.98		1375.33	

Notes:

RL- Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

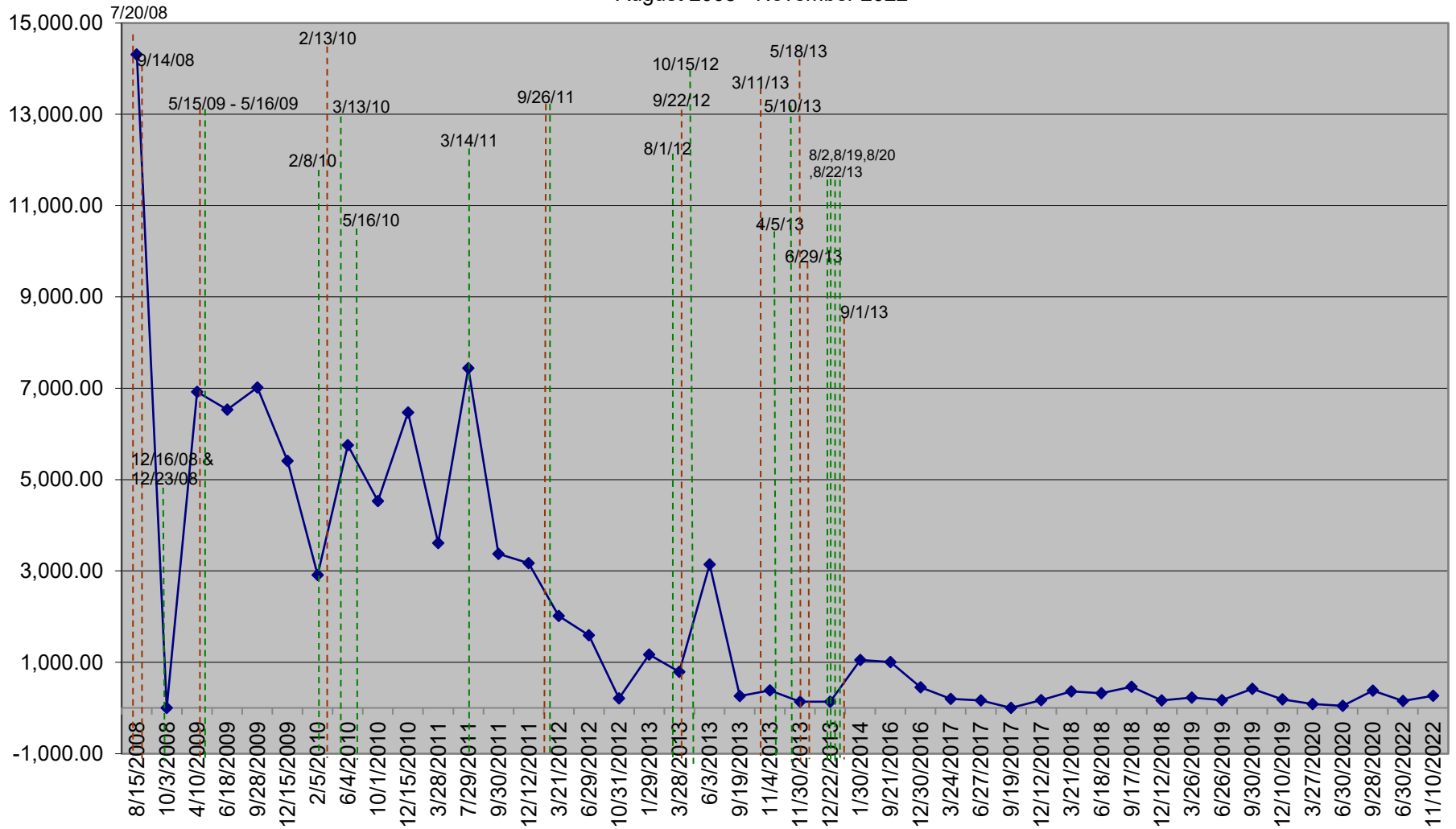
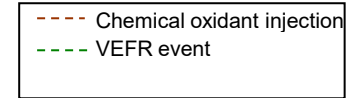
TABLE 6
3035 White Plains Road, Bronx, NY
Volatile Organic Compounds
IRMW-14

COMPOUND	NYSDEC Ambient Water Quality Standards μg/L	IRMW-14																
		6/4/2010	10/1/2010	12/15/2010	3/29/2011	7/29/2011	9/28/2011	12/12/2011	3/29/2012	6/29/2012	10/31/2012	1/29/2013	3/29/2013	6/3/2013	9/19/2013	11/4/2013	11/30/2013	
		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,1,1,2-Tetrachloroethane	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	1	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
1,1-Dichloroethane	5	ND	NS	NS	ND	ND	1.2	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane	5	NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	
1,1,4-Dichloroethylene	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloropropene	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,3-Trichlorobenzene	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,3-Trichloropropane	0.04	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	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	NS	ND	ND	ND	31	ND	ND	ND	ND	ND	
1,2-Dibromoethane	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	5	ND	NS	NS	ND	ND	ND	NS	ND	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)	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichloropropane	1	ND	NS	NS	ND	ND	ND	NS	ND	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	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,3-Dichloropropane	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-Dioxane	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,2-Dichloropropane	5	NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	
2-Butanone	5	NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	
2-Chlorotoluene	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	100	ND	ND	ND	ND	ND	ND	
2-Hexanone	5	NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	
2-Isopropyltoluene	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	34	ND	ND	ND	ND	ND	
4-Chlorotoluene	5	NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	
4-Methyl-2-Pentanone	5	NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	
Acetone	5	NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	
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	NS	ND	ND	ND	17	ND	ND	ND	ND	ND	
Bromochloromethane	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromodichloromethane	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	1.7	ND	ND	ND	ND	ND	ND	
Bromoform	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromomethane	5	ND	NS	NS	ND	ND	7.2	NS	ND	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	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chlorobenzene	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroethane	5	ND	NS	NS	ND	ND	23	NS	ND	23	NS	2.8	NS	ND	ND	ND	ND	
Chloroform	7	ND	NS	NS	ND	ND	1.5	NS	ND	ND	2.5	ND	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	NR	NR	NR	NR	NR	NR	NR	NR	
cis-1,2-Dichloroethylene	5	NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	
cis-1,3-Dichloropropene	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
cis-1,3-Dichloropropylene	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Cyclohexane	5	NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	
Dibromochloromethane	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibromomethane	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dichlorodifluoromethane	5	ND	NS	NS	ND	ND	ND	NS	ND	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	670	530	480	920	1,000	200	300	
Hexachlorobutadiene	0.5	ND	NS	NS	ND	ND	ND	NS	ND	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	5	11,000	NS	NS	6,000	67	68	3,100	NS	3,600	2700	1,600	1,700	3,600	4,000	320	1,400	
Methyl Acetate	5	NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	
Methyl Cyclohexane	5	NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	
Methyl ethyl ketone	10	ND	NS	NS	66	13	20	100	NS	150	100	53	41	ND	110	39	26	
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	500	ND	ND	
Naphthalene	10	910	NS	NS	510	36	60	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	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	5.6	2.9	ND	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	NS	ND	ND	ND	18	ND	ND	ND	ND	ND	
1,1,3-Dichloropropene	0.4	NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	
Tert-butyl alcohol	5	NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	
tert-Butylbenzene	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	73	ND	ND	ND	ND	ND	
Tetrachloroethane	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Tetrahydrofuran (THF)	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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	NR	NR	NR	NR	NR	NR	NR	NR	
trans-1,2-Dichloroethylene	5	NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	
trans-1,3-Dichloropropene	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
trans-1,3-Dichloropropylene	5	ND	NS	NS	ND	ND	ND	NS	ND	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	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichlorofluoromethane	5	ND	NS	NS	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichlorotrifluoroethane	5	NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	
Vinyl Acetate	5	NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	
Vinyl Chloride	2	ND	NS	NS	ND	ND	ND	NS	ND	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	7,690.00	8,410.00	1,180.00	2,820	
Total Chlorinated VOC Concentration		260.00	0.00															

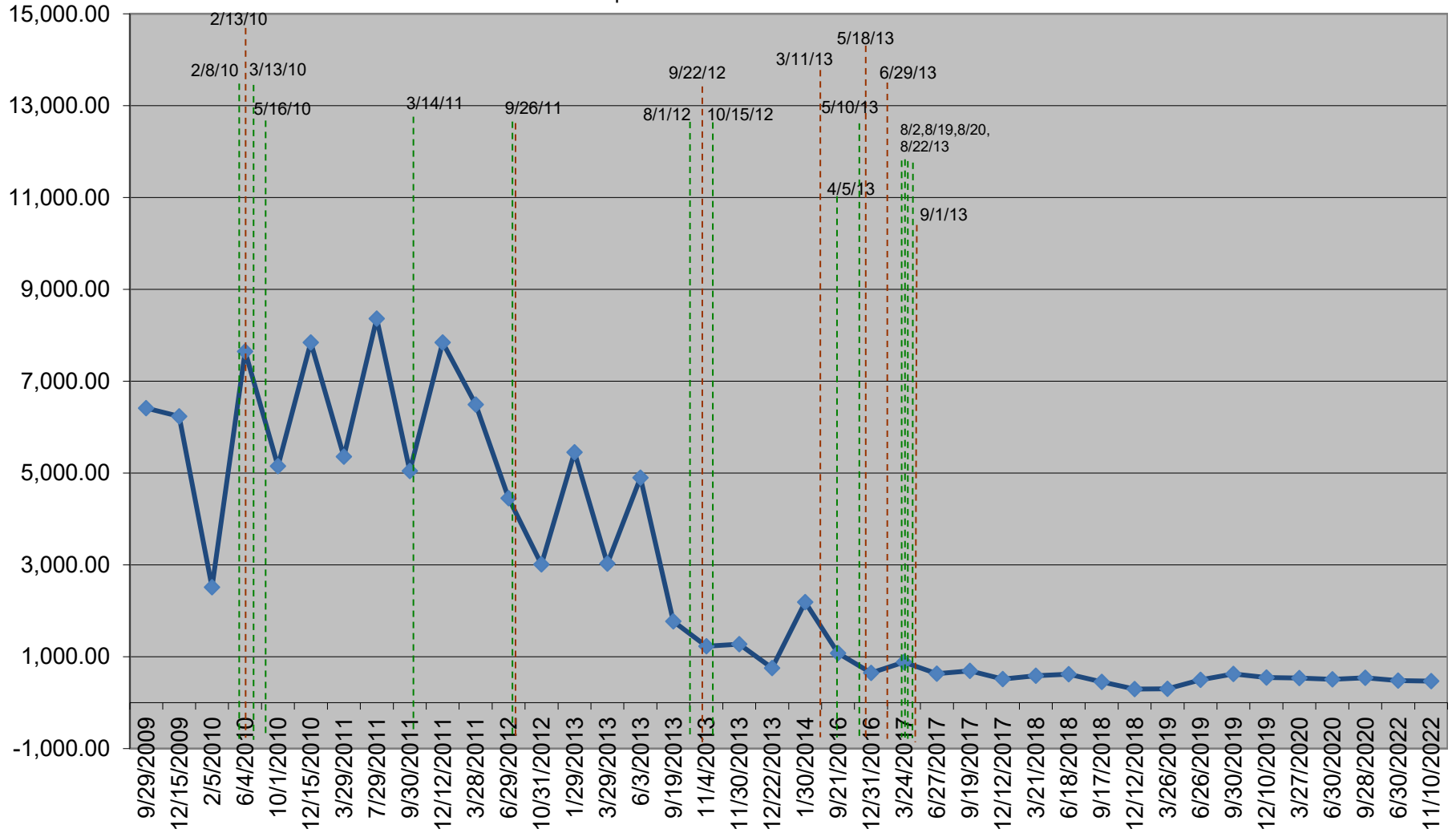
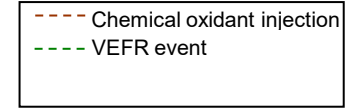
GRAPHS



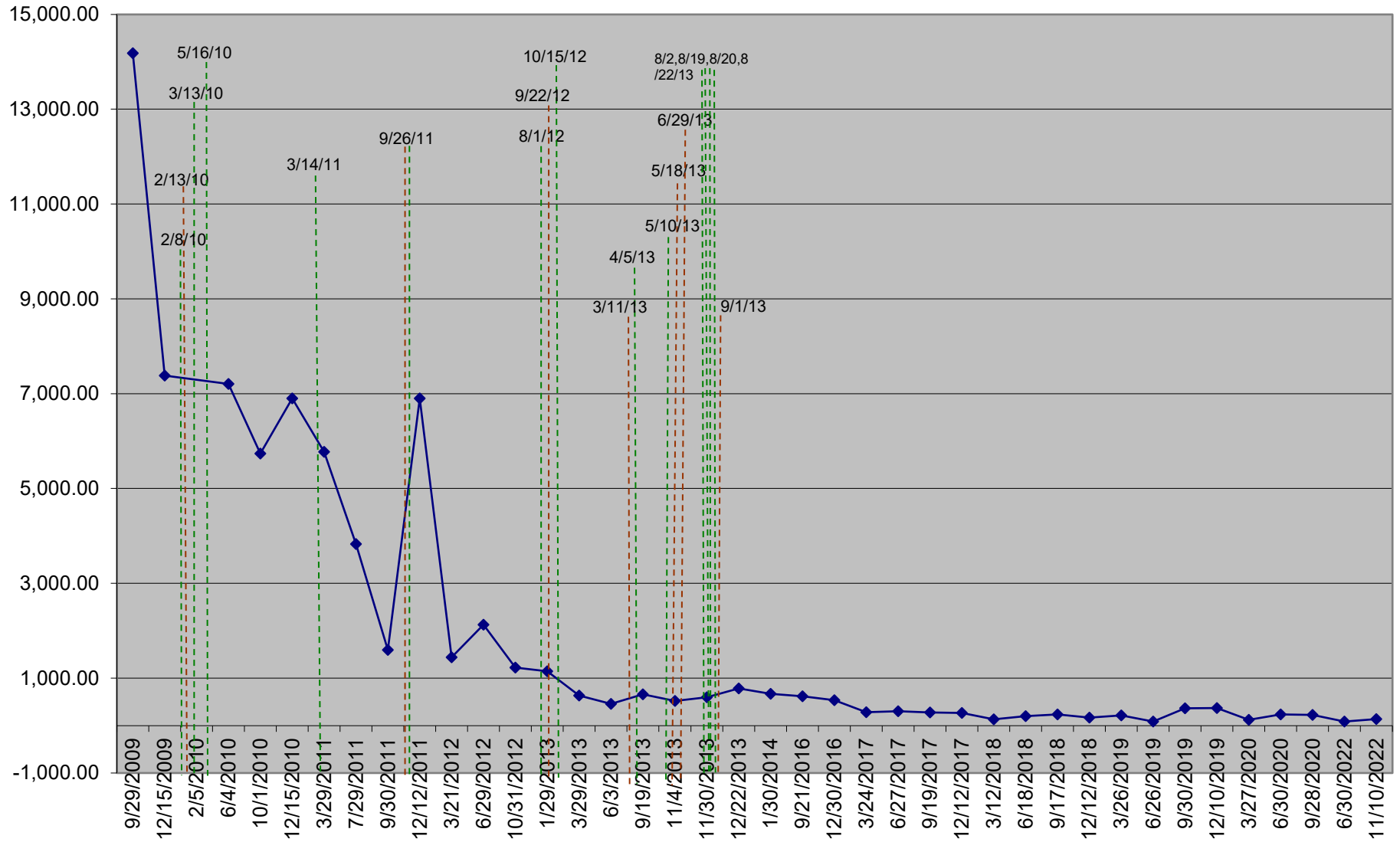
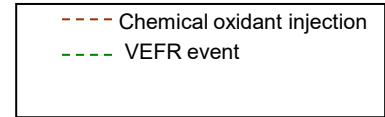
Graph 1
 IRMW-7 Total Petroleum VOCs
 3035 White Plains Road, Bronx, NY
 August 2008 - November 2022



Graph 2
 IRMW-10 Total Petroleum VOCs
 3035 White Plains Road, Bronx, NY
 September 2009 - November 2022

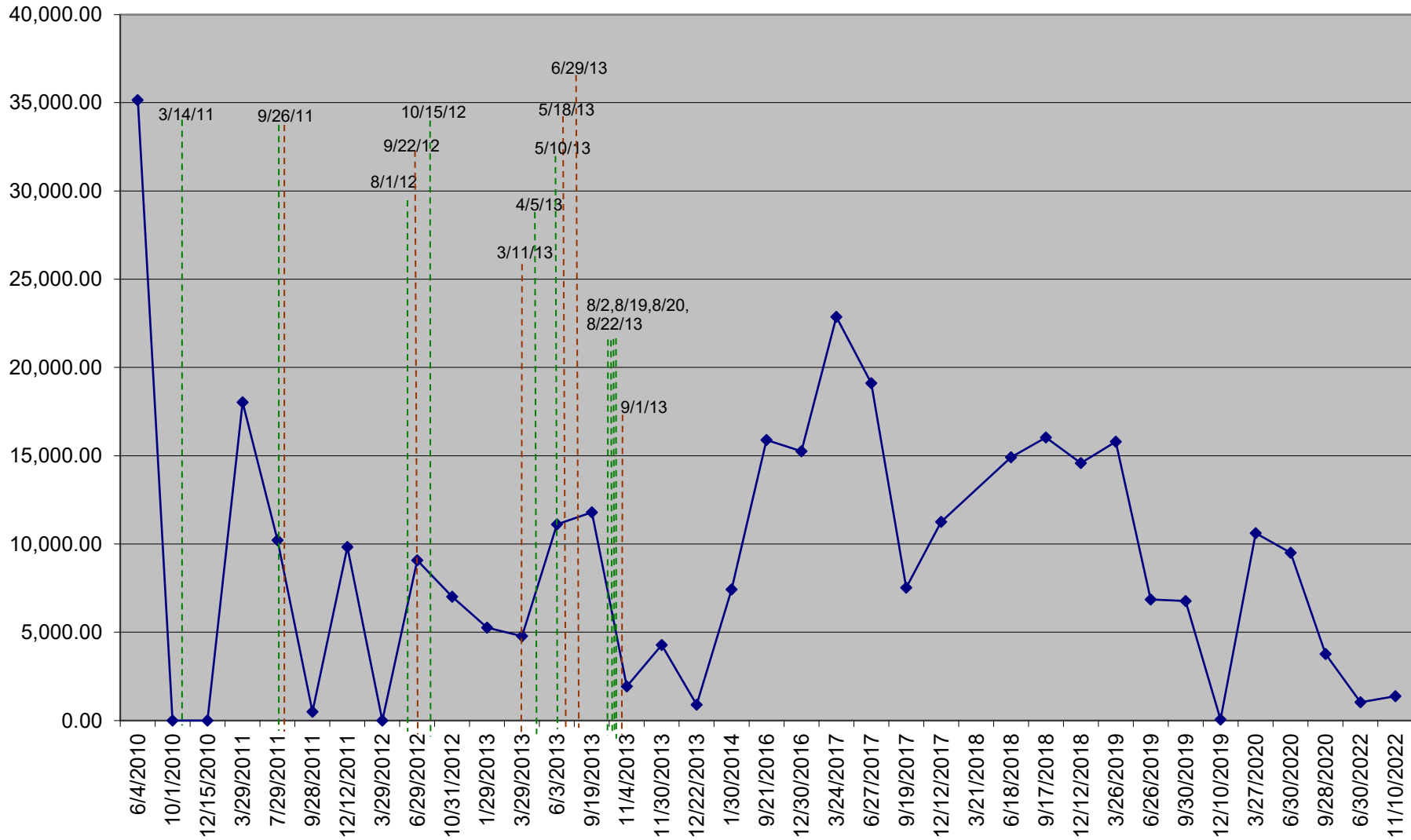


Graph 3
 IRMW-11 Total Petroleum VOCs
 3035 White Plains Road, Bronx, NY
 September 2009 - November 2022



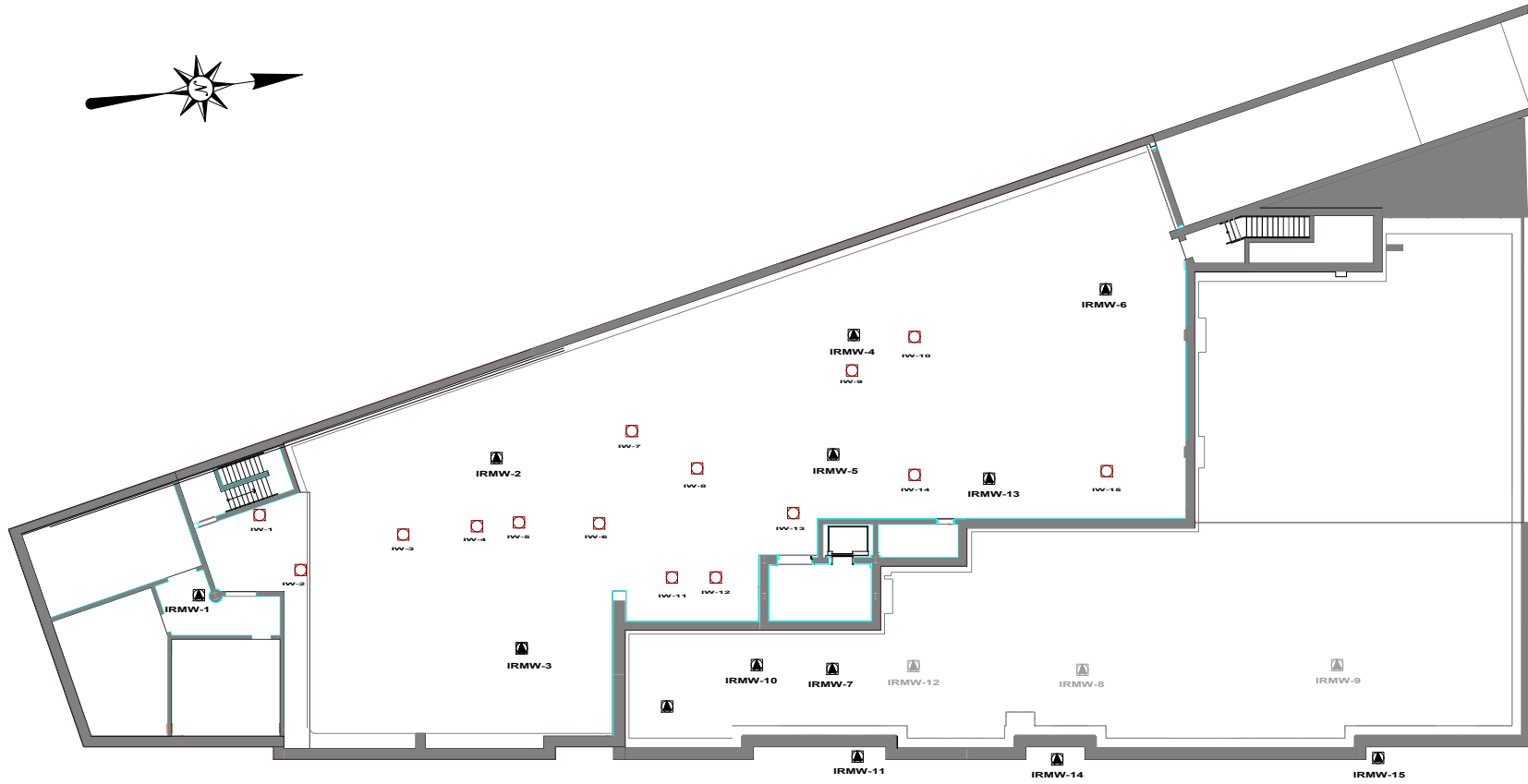
Graph 4
 IRMW-14 Total Petroleum VOCs
 3035 White Plains Road, Bronx, NY
 June 2010 - November 2022

--- Chemical oxidant injection
 --- VEFR event



FIGURES





SIDEWALK

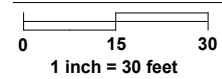
WHITE PLAINS ROAD

Note:

IRMW-x
 Groundwater Monitoring Well

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

Scale:



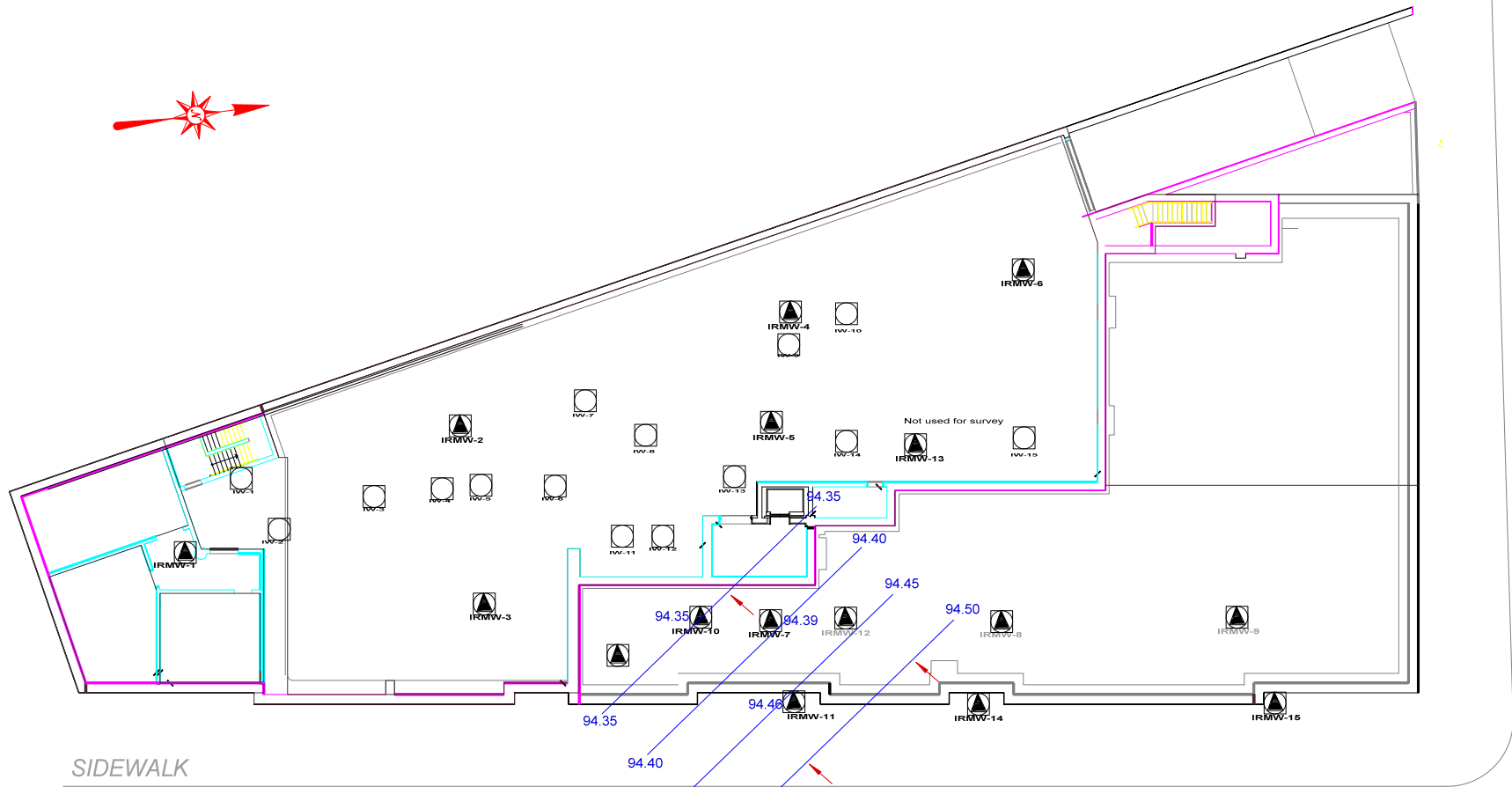
ENVIRONMENTAL BUSINESS CONSULTANTS

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



SIDEWALK

WHITE PLAINS ROAD

Note:



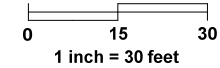
Groundwater Monitoring Well

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



Groundwater Flow Direction

Scale:



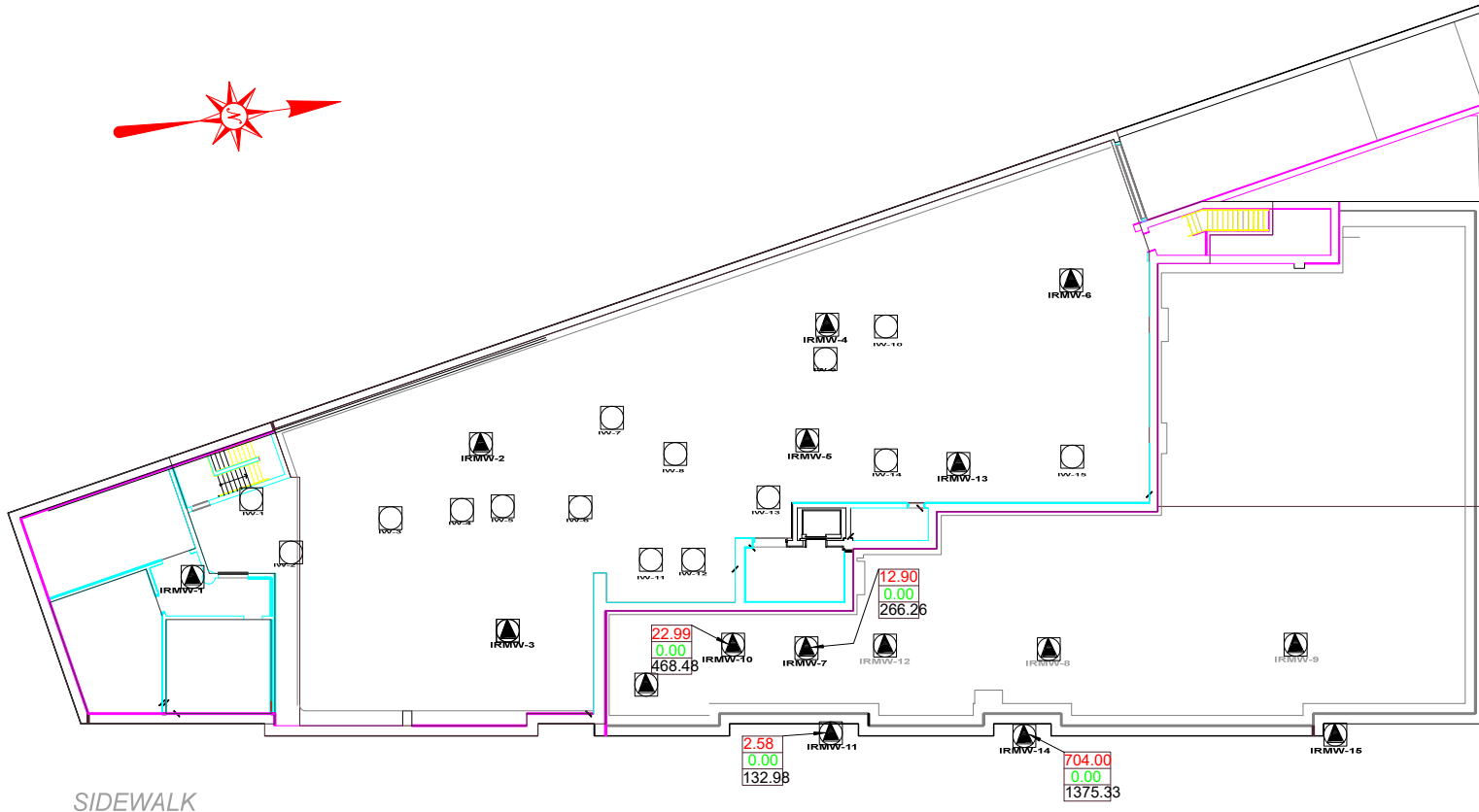
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105
O: 718.545.0474

Figure No.
2

Site Name: Former Dico G Auto & Truck Repair

Site Address: 3035 White Plains Road, Bronx, NY


Drawing Title: Groundwater Contour Map



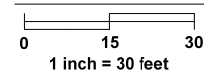
SIDEWALK

WHITE PLAINS ROAD

Note:

-  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:



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

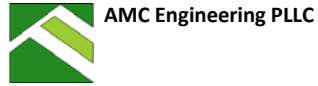
Figure No.
3

Site Name: Former Dico G Auto & Truck Repair
Site Address: 3035 White Plains Road, Bronx, NY
Drawing Title: Groundwater Flow Direction

APPENDIX A

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORMS





GROUNDWATER PURGE / SAMPLE LOGS

3035 White Plains Road, Bronx

Well I.D.: IRMW-7

Well Depth (from TOC): 19.38

Static Water Level (from TOC): 16.23

Height of Water in Well: 3.15

Gallons of Water per Well Volume: 0.53

Flow Rate: 300 ml/min

Date: 11/10/2022

Equipment: Peristaltic pump, horiba

Time	Pump Rate	Gal. Removed	pH	Cond. (uS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
3:30:00 PM	300ml/min	0	7.98	0.865	19.5	0.79	-172	77	0.553	1.6 gal was purged from 3:10 PM to 3:30 PM
3:35:00 PM	300ml/min	0.396	7.96	0.865	19.51	0.50	-173	68.4	0.553	
3:40:00 PM	300ml/min	0.792	7.96	0.866	19.53	0.40	-175	64.1	0.554	

Note 400 ml = 0.11 gallons



GROUNDWATER PURGE / SAMPLE LOGS

3035 White Plains Road, Bronx

Well I.D.: IRMW-10

Well Depth (from TOC): 19.94

Static Water Level (from TOC): 16.25

Height of Water in Well: 3.69

Gallons of Water per Well Volume: 0.62

Flow Rate: 300 ml/min

Date: 11/10/2022

Equipment: Peristaltic pump, horiba

Time	Pump Rate	Gal. Removed	pH	Cond. (uS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
5:20:00 PM	300ml/min	0	7.85	0.938	20.43	15.25	-166	24.1	0.601	1.9 gal was purged from 4:57 PM to 5:20 PM
5:25:00 PM	300ml/min	0.396	7.91	0.936	20.48	0.72	-168	17.7	0.599	
5:30:00 PM	300ml/min	0.792	7.91	0.935	20.56	0.59	-170	13.1	0.598	
5:35:00 PM	300ml/min	1.188	7.91	0.929	20.59	0.50	-172	8.3	0.595	

Note 400 ml = 0.11 gallons



GROUNDWATER PURGE / SAMPLE LOGS

3035 White Plains Road, Bronx

Well I.D.: IRMW-11

Well Depth (from TOC): 19.4

Static Water Level (from TOC): 16.25

Height of Water in Well: 3.15

Gallons of Water per Well Volume: 0.53

Flow Rate: 300 ml/min

Date: 11/10/2022

Equipment: Peristaltic pump, horiba

Time	Pump Rate	Gal. Removed	pH	Cond. (uS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
4:20:00 PM	300ml/min	0	7.88	1.24	19.71	19.6	-137	17	0.791	1.6 gal was purged from 4:00 PM to 4:20 PM
4:25:00 PM	300ml/min	0.396	7.89	1.21	19.68	1.56	-138	14.3	0.776	
4:30:00 PM	300ml/min	0.792	7.89	1.19	19.60	0.99	-141	10.6	0.760	

Note 400 ml = 0.11 gallons



GROUNDWATER PURGE / SAMPLE LOGS

3035 White Plains Road, Bronx

Well I.D.: IRMW-14

Date: 11/10/2022

Well Depth (from TOC): 19.2

Equipment: Peristaltic pump, horiba

Static Water Level (from TOC): 16.28

Height of Water in Well: 2.92

Gallons of Water per Well Volume: 0.49

Flow Rate: 31 ml/min

Time	Pump Rate	Gal. Removed	pH	Cond. (uS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
1:55:00 PM	31 ml/min	0	9.49	1.57	18.14	8.48	110	104	1.01	1.5 gal was purged from 11:05 AM to 1:55 PM
2:00:00 PM	31 ml/min	0.0409	9.51	1.57	18.14	8.07	113	101	1.01	
2:05:00 PM	31 ml/min	0.0818	9.53	1.57	18.16	7.95	116	100	1.00	

Note 400 ml = 0.11 gallons

APPENDIX B

Laboratory Reports





Monday, November 28, 2022

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

Project ID: 3035 WHITE PLAINS RD BX
SDG ID: GCM84450
Sample ID#s: CM84450 - CM84455

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

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

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

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

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style with a large initial "P".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



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



SDG Comments

November 28, 2022

SDG I.D.: GCM84450

8260 Volatile Organics:

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

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

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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



Sample Id Cross Reference

November 28, 2022

SDG I.D.: GCM84450

Project ID: 3035 WHITE PLAINS RD BX

Client Id	Lab Id	Matrix
IRMW-7	CM84450	GROUND WATER
IRMW-10	CM84451	GROUND WATER
IRMW-11	CM84452	GROUND WATER
IRMW-14	CM84453	GROUND WATER
DUPLICATE	CM84454	GROUND WATER
TRIP BLANK	CM84455	GROUND WATER



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



Analysis Report
 November 28, 2022

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

Sample Information

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

Custody Information

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

Date

11/10/22
 11/11/22

Time

15:40
 17:00

Laboratory Data

SDG ID: GCM84450
 Phoenix ID: CM84450

Project ID: 3035 WHITE PLAINS RD BX
 Client ID: IRMW-7

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2,4-Trimethylbenzene	0.70	J 1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	11/20/22	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	11/20/22	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,3,5-Trimethylbenzene	0.36	J 1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	11/20/22	MH	SW8260C
2-Isopropyltoluene	5.0	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	11/20/22	MH	SW8260C

Client ID: IRMW-7

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	11/20/22	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	11/20/22	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	11/20/22	MH	SW8260C
Benzene	4.7	0.70	0.25	ug/L	1	11/20/22	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	11/20/22	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Ethylbenzene	2.8	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	11/20/22	MH	SW8260C
Isopropylbenzene	51	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
m&p-Xylene	2.5	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	11/20/22	MH	SW8260C
Methyl t-butyl ether (MTBE)	8.7	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	11/20/22	MH	SW8260C
Naphthalene	3.2	1.0	1.0	ug/L	1	11/20/22	MH	SW8260C
n-Butylbenzene	6.6	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
n-Propylbenzene	35	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
o-Xylene	1.9	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
sec-Butylbenzene	21	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
tert-Butylbenzene	1.8	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	11/20/22	MH	SW8260C
Toluene	1.0	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	11/20/22	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	11/20/22	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	11/20/22	MH	70 - 130 %
% Bromofluorobenzene	98			%	1	11/20/22	MH	70 - 130 %
% Dibromofluoromethane	103			%	1	11/20/22	MH	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	100			%	1	11/20/22	MH	70 - 130 %	
Tert-butyl alcohol	120	50	10	ug/L	1	11/20/22	MH	SW8260C	
<u>1,4-dioxane</u>									
1,4-dioxane	ND	0.57	0.57	ug/l	1	11/16/22	AW	SW8270DSIM	1
<u>QA/QC Surrogates</u>									
% 1,4-dioxane-d8	77			%	1	11/16/22	AW	70 - 130 %	
Extraction for 1,4-Dioxane	Completed					11/16/22	G/G		

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

B = Present in blank, no bias suspected.

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

November 28, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report
 November 28, 2022

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

Sample Information

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

Custody Information

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

Date

11/10/22
 11/11/22

Time

15:30
 17:00

Laboratory Data

SDG ID: GCM84450
 Phoenix ID: CM84451

Project ID: 3035 WHITE PLAINS RD BX
 Client ID: IRMW-10

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
1,1,1-Trichloroethane	ND	10	0.50	ug/L	2	11/20/22	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
1,1,2-Trichloroethane	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
1,1-Dichloroethane	ND	10	0.50	ug/L	2	11/20/22	MH	SW8260C
1,1-Dichloroethene	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
1,1-Dichloropropene	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
1,2,3-Trichlorobenzene	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
1,2,3-Trichloropropane	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
1,2,4-Trimethylbenzene	0.59	J 2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/L	2	11/20/22	MH	SW8260C
1,2-Dibromoethane	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
1,2-Dichlorobenzene	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
1,2-Dichloroethane	ND	1.2	1.0	ug/L	2	11/20/22	MH	SW8260C
1,2-Dichloropropane	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
1,3,5-Trimethylbenzene	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
1,3-Dichlorobenzene	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
1,3-Dichloropropane	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
1,4-Dichlorobenzene	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
2,2-Dichloropropane	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
2-Chlorotoluene	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
2-Hexanone	ND	5.0	5.0	ug/L	2	11/20/22	MH	SW8260C
2-Isopropyltoluene	6.3	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
4-Chlorotoluene	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
4-Methyl-2-pentanone	ND	5.0	5.0	ug/L	2	11/20/22	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	10	5.0	ug/L	2	11/20/22	MH	SW8260C
Acrolein	ND	10	5.0	ug/L	2	11/20/22	MH	SW8260C
Acrylonitrile	ND	10	5.0	ug/L	2	11/20/22	MH	SW8260C
Benzene	11	1.4	0.50	ug/L	2	11/20/22	MH	SW8260C
Bromobenzene	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
Bromochloromethane	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
Bromodichloromethane	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
Bromoform	ND	10	0.50	ug/L	2	11/20/22	MH	SW8260C
Bromomethane	ND	10	0.50	ug/L	2	11/20/22	MH	SW8260C
Carbon Disulfide	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
Carbon tetrachloride	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
Chlorobenzene	ND	10	0.50	ug/L	2	11/20/22	MH	SW8260C
Chloroethane	ND	10	0.50	ug/L	2	11/20/22	MH	SW8260C
Chloroform	ND	10	0.50	ug/L	2	11/20/22	MH	SW8260C
Chloromethane	ND	10	0.50	ug/L	2	11/20/22	MH	SW8260C
cis-1,2-Dichloroethene	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.80	0.50	ug/L	2	11/20/22	MH	SW8260C
Dibromochloromethane	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
Dibromomethane	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
Dichlorodifluoromethane	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
Ethylbenzene	7.2	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
Hexachlorobutadiene	ND	1.0	0.40	ug/L	2	11/20/22	MH	SW8260C
Isopropylbenzene	75	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
m&p-Xylene	2.2	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
Methyl ethyl ketone	ND	5.0	5.0	ug/L	2	11/20/22	MH	SW8260C
Methyl t-butyl ether (MTBE)	10	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
Methylene chloride	ND	6.0	2.0	ug/L	2	11/20/22	MH	SW8260C
Naphthalene	28	2.0	2.0	ug/L	2	11/20/22	MH	SW8260C
n-Butylbenzene	24	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
n-Propylbenzene	150	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
o-Xylene	0.99	J 2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
p-Isopropyltoluene	3.4	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
sec-Butylbenzene	26	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
Styrene	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
tert-Butylbenzene	2.2	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
Tetrachloroethene	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
Tetrahydrofuran (THF)	ND	10	5.0	ug/L	2	11/20/22	MH	SW8260C
Toluene	1.6	J 2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
trans-1,2-Dichloroethene	ND	10	0.50	ug/L	2	11/20/22	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.80	0.50	ug/L	2	11/20/22	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	5.0	5.0	ug/L	2	11/20/22	MH	SW8260C
Trichloroethene	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
Trichlorofluoromethane	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
Trichlorotrifluoroethane	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
Vinyl chloride	ND	2.0	0.50	ug/L	2	11/20/22	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4 (2x)	98			%	2	11/20/22	MH	70 - 130 %
% Bromofluorobenzene (2x)	98			%	2	11/20/22	MH	70 - 130 %
% Dibromofluoromethane (2x)	101			%	2	11/20/22	MH	70 - 130 %

B

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8 (2x)	99			%	2	11/20/22	MH	70 - 130 %	
Tert-butyl alcohol	120	100	20	ug/L	2	11/20/22	MH	SW8260C	
<u>1,4-dioxane</u>									
1,4-dioxane	ND	0.57	0.57	ug/l	1	11/16/22	AW	SW8270DSIM	1
<u>QA/QC Surrogates</u>									
% 1,4-dioxane-d8	74			%	1	11/16/22	AW	70 - 130 %	
Extraction for 1,4-Dioxane	Completed					11/16/22	G/G		

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

B = Present in blank, no bias suspected.

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

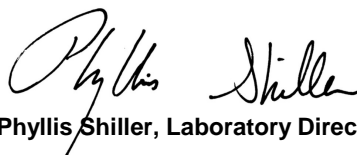
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

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

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

November 28, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report
 November 28, 2022

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

Sample Information

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

Custody Information

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

Date

11/10/22
 11/11/22

Time

14:00
 17:00

Laboratory Data

SDG ID: GCM84450
 Phoenix ID: CM84452

Project ID: 3035 WHITE PLAINS RD BX
 Client ID: IRMW-11

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	11/20/22	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	11/20/22	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	11/20/22	MH	SW8260C
2-Isopropyltoluene	4.6	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	11/20/22	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	11/20/22	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	11/20/22	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	11/20/22	MH	SW8260C
Benzene	1.8	0.70	0.25	ug/L	1	11/20/22	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	11/20/22	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Ethylbenzene	0.25	J 1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	11/20/22	MH	SW8260C
Isopropylbenzene	6.2	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
m&p-Xylene	0.53	J 1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	11/20/22	MH	SW8260C
Methyl t-butyl ether (MTBE)	8.1	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	11/20/22	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	11/20/22	MH	SW8260C
n-Butylbenzene	1.5	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
n-Propylbenzene	2.1	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
sec-Butylbenzene	8.2	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
tert-Butylbenzene	1.7	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	11/20/22	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	11/20/22	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	11/20/22	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	11/20/22	MH	70 - 130 %
% Bromofluorobenzene	98			%	1	11/20/22	MH	70 - 130 %
% Dibromofluoromethane	99			%	1	11/20/22	MH	70 - 130 %

B

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	99			%	1	11/20/22	MH	70 - 130 %	
Tert-butyl alcohol	98	50	10	ug/L	1	11/20/22	MH	SW8260C	
<u>1,4-dioxane</u>									
1,4-dioxane	ND	0.57	0.57	ug/l	1	11/16/22	AW	SW8270DSIM	1
<u>QA/QC Surrogates</u>									
% 1,4-dioxane-d8	74			%	1	11/16/22	AW	70 - 130 %	
Extraction for 1,4-Dioxane	Completed					11/16/22	G/G		

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

B = Present in blank, no bias suspected.

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

November 28, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report
 November 28, 2022

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

Sample Information

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

Custody Information

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

Date

11/10/22
 11/11/22

Time

14:30
 17:00

Laboratory Data

SDG ID: GCM84450
 Phoenix ID: CM84453

Project ID: 3035 WHITE PLAINS RD BX
 Client ID: IRMW-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,2,4-Trimethylbenzene	380	20	5.0	ug/L	20	11/20/22	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	11/15/22	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	11/15/22	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,3,5-Trimethylbenzene	57	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	11/15/22	MH	SW8260C
2-Isopropyltoluene	0.30	J 1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	11/15/22	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	12	S 5.0	2.5	ug/L	1	11/15/22	MH	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	11/15/22	MH	SW8260C	
Acrylonitrile	ND	5.0	2.5	ug/L	1	11/15/22	MH	SW8260C	
Benzene	17	0.70	0.25	ug/L	1	11/15/22	MH	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
Bromoform	ND	5.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
Bromomethane	ND	5.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
Chlorobenzene	ND	5.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
Chloroethane	ND	5.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
Chloroform	ND	5.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
Chloromethane	ND	5.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	11/15/22	MH	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
Ethylbenzene	140	20	5.0	ug/L	20	11/20/22	MH	SW8260C	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	11/15/22	MH	SW8260C	
Isopropylbenzene	7.7	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
m&p-Xylene	390	20	5.0	ug/L	20	11/20/22	MH	SW8260C	
Methyl ethyl ketone	4.5	2.5	2.5	ug/L	1	11/15/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	15	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	11/15/22	MH	SW8260C	
Naphthalene	170	20	20	ug/L	20	11/20/22	MH	SW8260C	
n-Butylbenzene	2.0	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
n-Propylbenzene	22	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
o-Xylene	100	20	5.0	ug/L	20	11/20/22	MH	SW8260C	
p-Isopropyltoluene	0.83	J 1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	11/15/22	MH	SW8260C	
Toluene	57	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	11/15/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	11/15/22	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	97			%	1	11/15/22	MH	70 - 130 %	
% Bromofluorobenzene	96			%	1	11/15/22	MH	70 - 130 %	
% Dibromofluoromethane	108			%	1	11/15/22	MH	70 - 130 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	98			%	1	11/15/22	MH	70 - 130 %	
% 1,2-dichlorobenzene-d4 (20x)	99			%	20	11/20/22	MH	70 - 130 %	
% Bromofluorobenzene (20x)	98			%	20	11/20/22	MH	70 - 130 %	
% Dibromofluoromethane (20x)	98			%	20	11/20/22	MH	70 - 130 %	
% Toluene-d8 (20x)	100			%	20	11/20/22	MH	70 - 130 %	
Tert-butyl alcohol	ND	50	10	ug/L	1	11/15/22	MH	SW8260C	
<u>1,4-dioxane</u>									
1,4-dioxane	ND	0.57	0.57	ug/l	1	11/16/22	AW	SW8270DSIM	1
<u>QA/QC Surrogates</u>									
% 1,4-dioxane-d8	80			%	1	11/16/22	AW	70 - 130 %	
Extraction for 1,4-Dioxane	Completed					11/16/22	G/G		

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

B = Present in blank, no bias suspected.

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

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

Comments:

S - Laboratory solvent, contamination is possible.

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

November 28, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report
 November 28, 2022

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

Sample Information

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

Custody Information

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

Date

11/10/22
 11/11/22

Time

14:00
 17:00

Laboratory Data

SDG ID: GCM84450
 Phoenix ID: CM84454

Project ID: 3035 WHITE PLAINS RD BX
 Client ID: DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	11/20/22	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	11/20/22	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	11/20/22	MH	SW8260C
2-Isopropyltoluene	4.6	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	11/20/22	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	11/20/22	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	11/20/22	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	11/20/22	MH	SW8260C
Benzene	1.6	0.70	0.25	ug/L	1	11/20/22	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	11/20/22	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	11/20/22	MH	SW8260C
Isopropylbenzene	5.1	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
m&p-Xylene	0.58	J 1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	11/20/22	MH	SW8260C
Methyl t-butyl ether (MTBE)	9.4	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	11/20/22	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	11/20/22	MH	SW8260C
n-Butylbenzene	1.4	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
n-Propylbenzene	1.5	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
sec-Butylbenzene	6.7	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
tert-Butylbenzene	1.7	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	11/20/22	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	11/20/22	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	11/20/22	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	11/20/22	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	11/20/22	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	11/20/22	MH	70 - 130 %
% Bromofluorobenzene	99			%	1	11/20/22	MH	70 - 130 %
% Dibromofluoromethane	102			%	1	11/20/22	MH	70 - 130 %

B

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	98			%	1	11/20/22	MH	70 - 130 %	
Tert-butyl alcohol	110	50	10	ug/L	1	11/20/22	MH	SW8260C	
<u>1,4-dioxane</u>									
1,4-dioxane	ND	0.57	0.57	ug/l	1	11/18/22	AW	SW8270DSIM	1
<u>QA/QC Surrogates</u>									
% 1,4-dioxane-d8	74			%	1	11/18/22	AW	70 - 130 %	
Extraction for 1,4-Dioxane	Completed					11/17/22	G/G		

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

B = Present in blank, no bias suspected.

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

November 28, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report
 November 28, 2022

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

Sample Information

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

Custody Information

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

Date

11/10/22
 11/11/22

Time

17:00

Laboratory Data

SDG ID: GCM84450
 Phoenix ID: CM84455

Project ID: 3035 WHITE PLAINS RD BX
 Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	11/15/22	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	11/15/22	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	11/15/22	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	11/15/22	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	11/15/22	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	11/15/22	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	11/15/22	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	11/15/22	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	11/15/22	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	11/15/22	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	11/15/22	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	11/15/22	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	11/15/22	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	11/15/22	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	11/15/22	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	11/15/22	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	11/15/22	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	11/15/22	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	11/15/22	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	11/15/22	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	11/15/22	MH	70 - 130 %
% Dibromofluoromethane	91			%	1	11/15/22	MH	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	97			%	1	11/15/22	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.

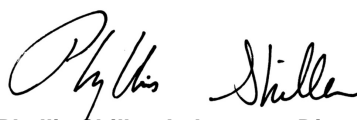
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

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:

TRIP BLANK INCLUDED.

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

November 28, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

Monday, November 28, 2022

Criteria: NY: 375GWP, DEP EFF

State: NY

Sample Criteria Exceedances Report

GCM84450 - AMC-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CM84451	\$8260DP25R	Naphthalene	NY / DEP / Effluent to Sewer Limits	28	2.0	19	19	ug/L
CM84453	\$8260DP25R	Toluene	NY / DEP / Effluent to Sewer Limits	57	1.0	28	28	ug/L
CM84453	\$8260DP25R	o-Xylene	NY / DEP / Effluent to Sewer Limits	100	20	74	74	ug/L
CM84453	\$8260DP25R	Naphthalene	NY / DEP / Effluent to Sewer Limits	170	20	19	19	ug/L
CM84453	\$8260DP25R	m&p-Xylene	NY / DEP / Effluent to Sewer Limits	390	20	74	74	ug/L

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



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



NY Temperature Narration

November 28, 2022

SDG I.D.: GCM84450

The samples in this delivery group were received at 2.7°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



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

Temp 27 Pg 1 of 1
Data Delivery: Fax #:
 Email ARIEL@AMC-ENGINEERING.COM

Customer: AMC ENGINEERING PLLC Project: 3035 White Plains Road, Bx
Address: 18-36 42nd Street Report to: ARIEL CZEMERINSKI
Astoria NY 11105 Invoice to: AMC ENGINEERING PLLC
Phone #: 718 545-0474
Fax #: 516 706-3214

Client Sample - Information - Identification

Sampler's Signature Arielle Dubois Date: 11/10/2022

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

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
84450	IRMW-7	GW	11/10/2022	3:40PM
84451	IRMW-10	GW	11/10/2022	3:30PM
84452	IRMW-11	GW	11/10/2022	2:00PM
84453	IRMW-14	GW	11/10/2022	2:30PM
84454	Duplicate	GW	11/10/2022	2:00PM
84455	Trip Blank	GW		

Analysis Request

Analysis Request	VOCs (829)**	Ter-Bun/Alcohol**	GL Soil container (8) oz	GL Soil container (2) oz	GL Anthr 1000ml [As is] x [HCl]	PL H2SO4 250ml	PL H2SO4 250ml
X	X	X	3				
X	X	X	3				
X	X	X	3				
X	X	X	3				
X	X	X	3				
X			2				

Relinquished by: Arielle Dubois Accepted by: [Signature] Date: 11/11/22 Time: 1304

Comments, Special Requirements or Regulations: Bags labeled VOA vials not labeled

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

NY: Res. Criteria Non-Res. Criteria Impact to GW Soil Cleanup Criteria GW Criteria
NJ: Res. Criteria Non-Res. Criteria Impact to GW Soil Cleanup Criteria GW Criteria

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

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

State where samples were collected: NY