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June 28, 2023

Mr. Rafi Alam
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, Albany, New York 12233

Re: Quarterly Groundwater Sampling Report
69-02 Queens Boulevard
46-09 69th Street and 46-10 70th Street Woodside, New York 11377
NYSDEC BCP Number: C241235

Dear Mr. Alam:

Please find enclosed the Quarterly Groundwater Sampling Report for the above referenced project for the second quarter of 2023 (2Q2023). In accordance with the Site Management Plan (SMP), a round of groundwater sampling was performed on June 16th, 2023, for 19MW9, 20MW10, and 20MW11R.

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

Very truly yours,
Anjeza Harrington,
Environmental Engineer

69-02 QUEENS BOULEVARD SITE
NYSDEC BCP Number C241235
Project Status Report
First Quarter 2023

Reporting Summary

Report Date:	June 26, 2023
Reporting Period:	2nd Quarter of 2023
Site Status:	Construction of building is complete.
Work Performed this Quarter:	June 16th, 2023 – Quarterly groundwater samples were collected from the three monitoring wells.
Remediation Status:	No chemical oxidant events were performed during this period.

Monitoring Program Summary

No. of Wells:	3 on-site monitoring wells (19MW9, 20MW10, 20MW11R).
Gauging Frequency:	Quarterly for the three monitoring wells.
Sampling Frequency:	Quarterly for the three monitoring wells (19MW9, 20MW10, and 20MW11R).
Reporting Frequency:	Groundwater Sampling Report (Quarterly).
Groundwater Depth:	7.05 to 7.24 ft (slab grade)
Monitoring Results:	No product was detected within any of the monitoring wells.
Sampling Results:	VOCs were detected above NYSDEC GQS in one of the three monitoring wells sampled during this event.

OXIDANT INJECTIONS:

No chemical oxidant injections were performed during this period. Chemical Oxidant Injections were last performed on September 3, 2020, and June 2, 2021.

LIQUID LEVEL MONITORING:

Depth to water readings were taken from the three monitoring wells with an electronic interface meter prior to purging the wells for sampling. No Liquid Phase Hydrocarbons (LPH) were detected in any of the monitoring wells during this quarter.

A top of casing survey was performed on 4/20/2023 by Control Point Associates Inc. to obtain the new top of casing elevation for the three wells, see **Appendix B**. Groundwater elevations, determined from the depth to water readings and casing elevation, can be found in **Table 1.** The groundwater flow direction was to the north-northeast during this quarter, see **Figure 2**.

GROUNDWATER SAMPLING:

The 2Q2023 groundwater sampling event was performed on June 16th of 2023. The groundwater samples were collected from 19MW9, 20MW10, and 20MW11R in accordance with the low-flow groundwater sampling procedures outlined within the SMP. The location of all site monitoring wells and historical exceedances can be found in **Figure 1**. Copies of the Well Purging-Field Water Quality Measurements Forms are attached as **Appendix A.** The groundwater samples were picked up 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 8260C.

Copies of the laboratory reports can be found in **Appendix C**. The laboratory results are summarized and compared to their appropriate standards/criteria in **Table 2** and to previous sampling events in **Table 3**.

GROUNDWATER SAMPLING RESULTS:

19MW9 – All VOC levels reported for the 2Q2023 sample are equal to or under limits defined by the NYSDEC GQS. Levels of n-Butylbenzene in 1Q2023 were in exceedance (5.4 ug/L) have been reported as non-detect in 2Q2023.

20MW10 – All VOC levels reported for the 2Q2023 sample are equal to or under limits defined by the NYSDEC GQS. Levels of Isopropylbenzene and n-Butylbenzene were reported to be in exceedance (7.4 ug/L and 53 ug/L respectively) in 1Q2023. Both compounds were found to be non-detect in 2Q2023.

20MW11R – 2Q2023 sample results for 1,2,4 – Trimethylbenzene (5.4 ug/L) was reported to be in exceedance of the limits defined by NYSDEC GQS (5.0 ug/L). All other VOC concentrations have been reported to meet or fall under the limits defined by NYSDEC GQS. 1Q2023 sample results reported no exceedances.

GROUNDWATER VOC CONCENTRATION TRENDS:

As shown in **Graphs 1-3**, total VOC concentrations slightly decreased in two of the wells (19MW9 and 20MW10) and slightly increased in one of the wells (20MW11R).

FUTURE PLANS / RECOMMENDATIONS:

On May 19, 2023, the Department responded to the 1Q Groundwater Sampling Report with comments that another round of injection of in-situ chemical oxidation is required to treat the petroleum related VOCs in groundwater. AMC responded that for this Site, additional injection is not recommended due to the asymptotic reduction trend of the concentrations measured since the project started. Recent results confirm that a downward trend is prevalent, and concentrations of VOCs are below NYSDEC GQS with the exception of one single parameter, 1,2,4 TMB, found at 5.4 ppb, on a 5 ppb limit. At this time, we recommend that groundwater to be discontinued, or at least be conducted annually.

TABLES

69-02 Queens Boulevard Site
62-02 Queens Boulevard, Queens, New York

Table 1
Well Survey Data

Depth to Water Readings								
Well No.	Well Diameter (in)	Total Well Depth (ft)	Screened Interval (ft)	Survey Reading (ft)	DTW (ft) 6/16/2023	DTP	PT	GW ELV 6/16/2023
19MW9	2	15.4	4 to 14	27.41	7.24	-	-	20.17
20MW10	2	10.25	3 to 13	27.49	7.05	-	-	20.44
20MW11R	1	8.9	4 to 14	27.44	7.19	-	-	20.25

Table 2
69-02 Queens Boulevard Site
69-02 Queens Boulevard, Queens, New York
Groundwater Analytical Results
Volatile Organic Compounds
2Q2023

Compound	NYSDEC Groundwater Quality Standards	19MW9		20MW10		20MW11R	
		6/16/2023		6/16/2023		6/16/2023	
	µg/L	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2,2-Tetrachloroethane	5	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
1,1,2-Trichloroethane	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloropropene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichloropropane	0.04	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,4-Trichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,4-Trimethylbenzene	5	< 1.0	1.0	< 1.0	1.0	5.8	1.0
1,2-Dibromo-3-chloropropane	0.04	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dibromoethane	0.0006	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dichloroethane	0.6	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichlorobenzene	3	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Hexanone	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2-Isopropyltoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Methyl-2-pentanone		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acetone	50	< 25	25	< 25	25	50	25
Acrylonitrile	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Benzene	1	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70
Bromobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromodichloromethane	50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Bromoform	50	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromomethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Carbon Disulfide		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon tetrachloride	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chloroform	7	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chloromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
cis-1,2-Dichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
cis-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
Dibromochloromethane	50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Dibromomethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	5	< 1.0	1.0	< 1.0	1.0	4.3	1.0
Hexachlorobutadiene	0.5	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
Isopropylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
m&p-Xylene		< 1.0	1.0	< 1.0	1.0	3.3	1.0
Methyl ethyl ketone	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Methyl t-butyl ether (MTBE)		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methylene chloride	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Naphthalene	10	< 1.0	1.0	< 1.0	1.0	10	1.0
n-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Propylbenzene	5	1.4	1.0	3.8	1.0	1.1	1.0
o-Xylene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
p-Isopropyltoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
sec-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Styrene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
tert-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tetrachloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tetrahydrofuran (THF)	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Toluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Total Xylenes	5	< 1.0	1.0	< 1.0	1.0	3.3	1.0
trans-1,2-Dichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
trans-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Trichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorotrifluoroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Vinyl chloride	2	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
BTEX		0.00		0.00		7.60	
Total PVOCs		1.40		3.80		21.20	
Total VOCs		1.40		3.80		24.50	

Result Exceeds Criteria

Table 3
69-02 Queens Boulevard Site
69-02 Queens Boulevard, Queens, New York
Groundwater Analytical Results
Volatile Organic Compounds
Aug 2022 - March 2023

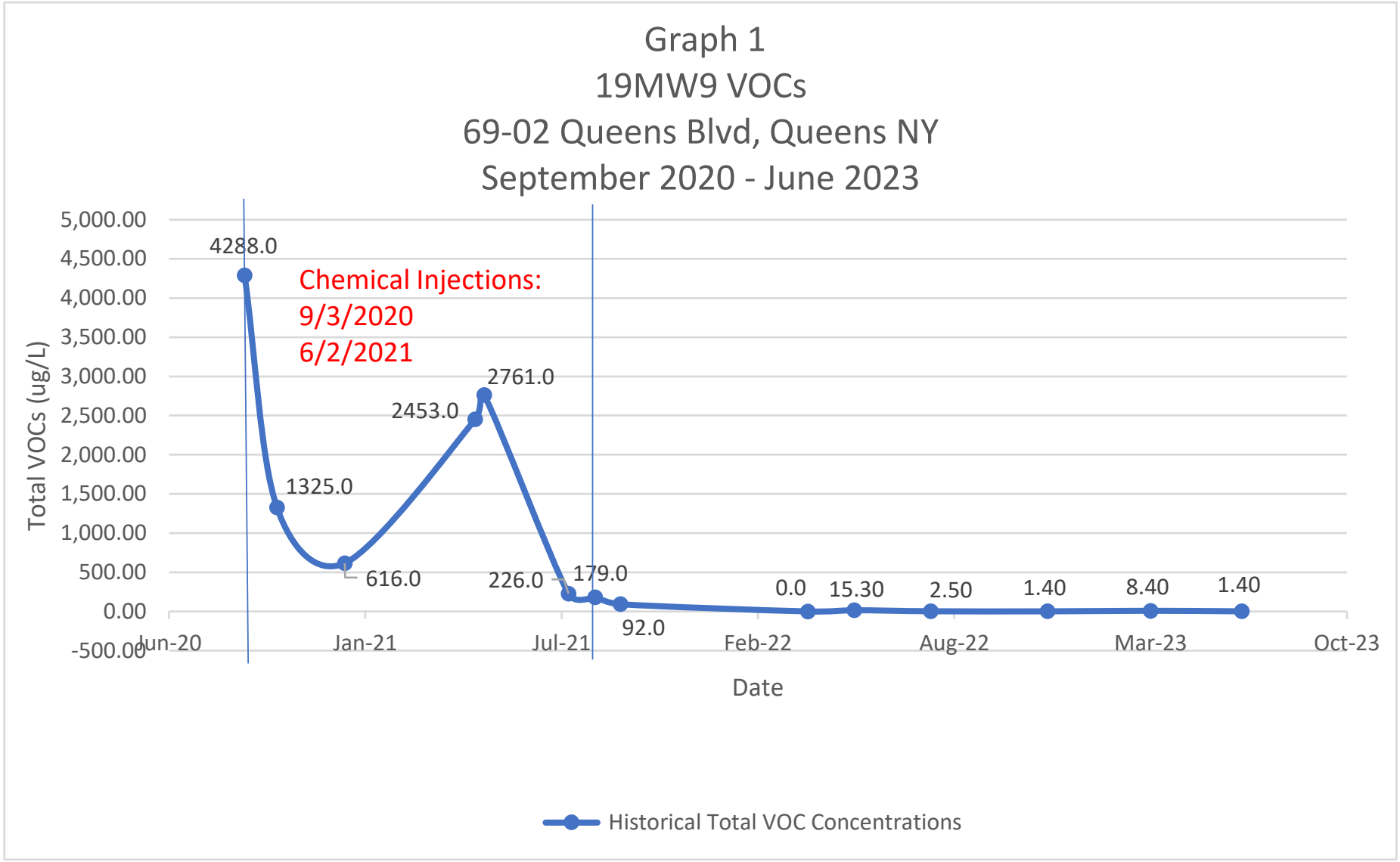
Compound	NYSDEC Groundwater Quality Standards	19MW9		19MW9		19MW9		20MW10		20MW10		20MW10		20MW11		20MW11R		20MW11R	
		8/3/2022		11/30/2022		3/15/2023		8/3/2022		11/30/2022		3/15/2023		8/3/2022		11/30/2022		3/15/2023	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1,2,2-Tetrachloroethane	5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
1,1,2-Trichloroethane	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloropropene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichloropropane	0.04	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trimethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	1.2	1	1.3	1	1.2	1	< 1.0	1	6.8	1	3.1	1
1,2-Dibromo-3-chloropropane	0.04	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dibromoethane	0.0006	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichloroethane	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6
1,2-Dichloropropane	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3,5-Trimethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichlorobenzene	3	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2,2-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2-Hexanone	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
2-Isopropyltoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	1.1	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
4-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
4-Methyl-2-pentanone		< 5.0	5	< 5.0	5	< 5.0	5	5.8	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Acetone	50	< 25	25	< 25	25	< 25	25	25	25	< 25	25	< 25	25	< 25	25	< 25	25	< 25	25
Acrylonitrile	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Benzene	1	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7	0.91	0.7	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7
Bromobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromochloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromodichloromethane	50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Bromoform	50	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Carbon Disulfide		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Carbon tetrachloride	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chlorobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chloroform	7	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Dibromochloromethane	50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Dibromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Dichlorodifluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Ethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	4.1	1	4.5	1
Hexachlorobutadiene	0.5	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Isopropylbenzene	5	< 1.0	1	< 1.0	1	1.9	1	5.8	1	9.8	1	7.4	1	< 1.0	1	< 1.0	1	< 1.0	1
m&p-Xylene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	6.3	1	3	1
Methyl ethyl ketone	50	< 5.0	5	< 5.0	5	< 5.0	5	27	5	< 5.0	5	< 5.0	5	7.2	5	< 5.0	5	< 5.0	5
Methyl t-butyl ether (MTBE)		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Methylene chloride	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Naphthalene	10	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	2.3	1	< 1.0	1	< 1.0	1	< 1.0	1
n-Butylbenzene	5	< 1.0	1	1.4	1	5.4	1	1.1	1	3.2	10	53	10	< 1.0	1	< 1.0	1	2.4	1
n-Propylbenzene	5	2.5	1	< 1.0	1	< 1.0	1	24	1	33	1	< 1.0	1	< 1.0	1	2.6	1	1.6	1
o-Xylene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
p-Isopropyltoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	1.4	1	1.1	1	< 1.0	1	< 1.0	1	< 1.0	1
sec-Butylbenzene	5	< 1.0	1	< 1.0	1	1.1	1	2.6	1	6.5	1	4.4	1	< 1.0	1	< 1.0	1	< 1.0	1
Styrene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
tert-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Tetrachloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Tetrahydrofuran (THF)	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Toluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Total Xylenes	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	6.3	1	3	1
trans-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Trichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorofluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorotrifluoroethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Vinyl chloride	2	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
BTEX		0.00		0.00		0.00		8.40		16.30		0.91		0.00		0.00		7.50	
Total PVOCs		2.50		0.00		3.00		85.60		53.10		17.31		7.20		13.50		9.20	
Total VOCs		2.50		1.40		8.40		92.50		56.30		70.31		7.20		26.10		17.60	

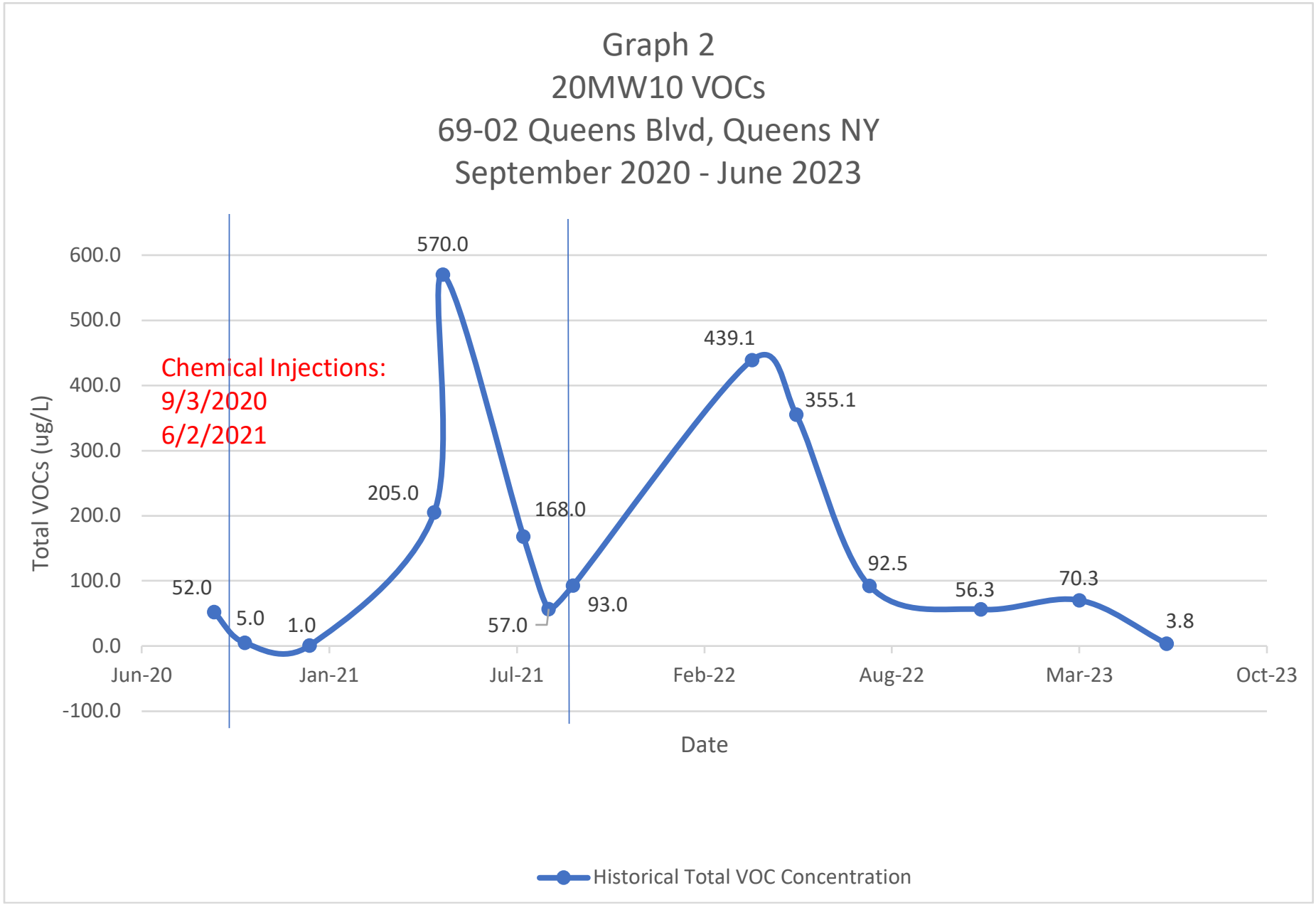
Result Detected

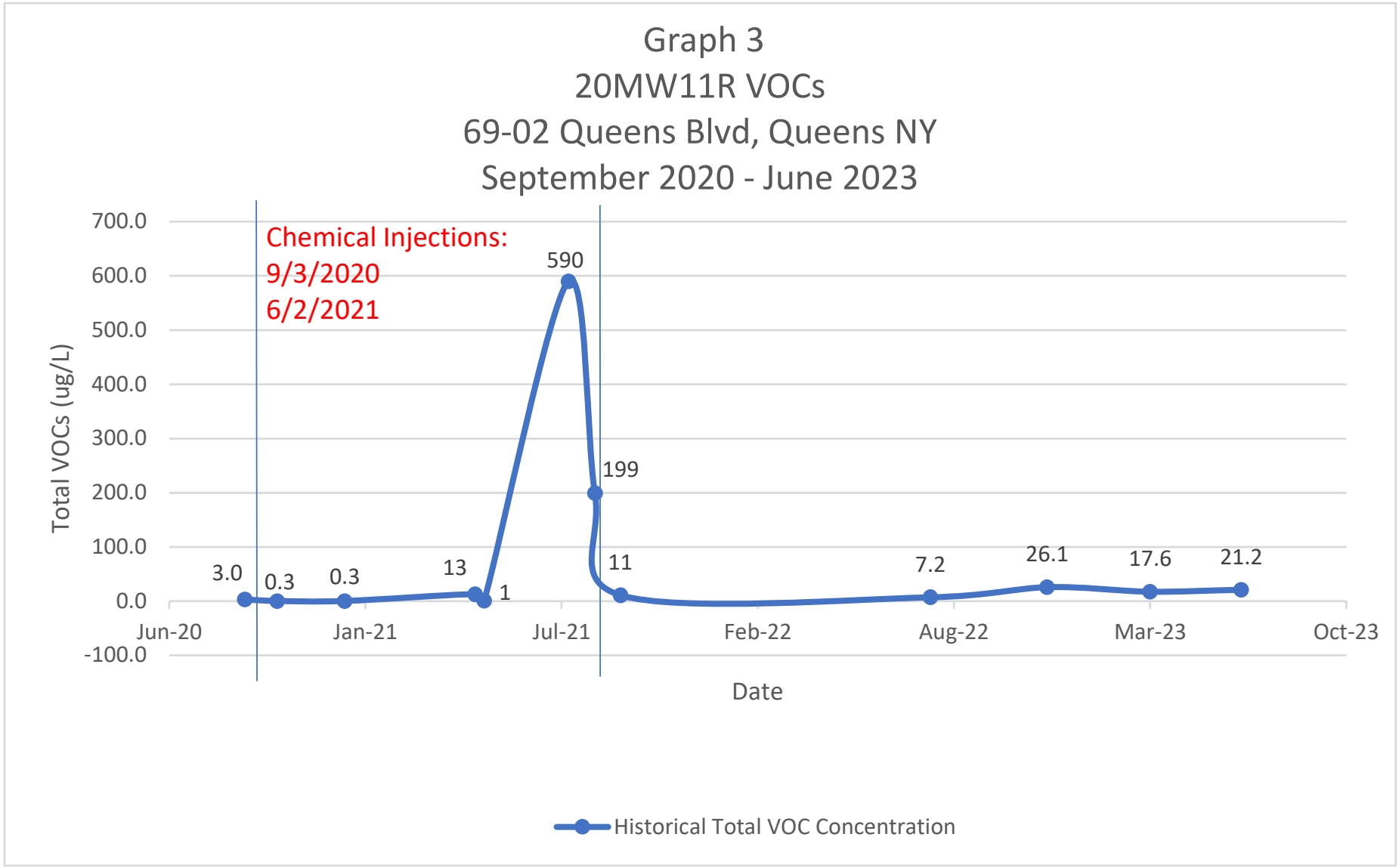
RL Exceeds Criteria

Result Exceeds Criteria

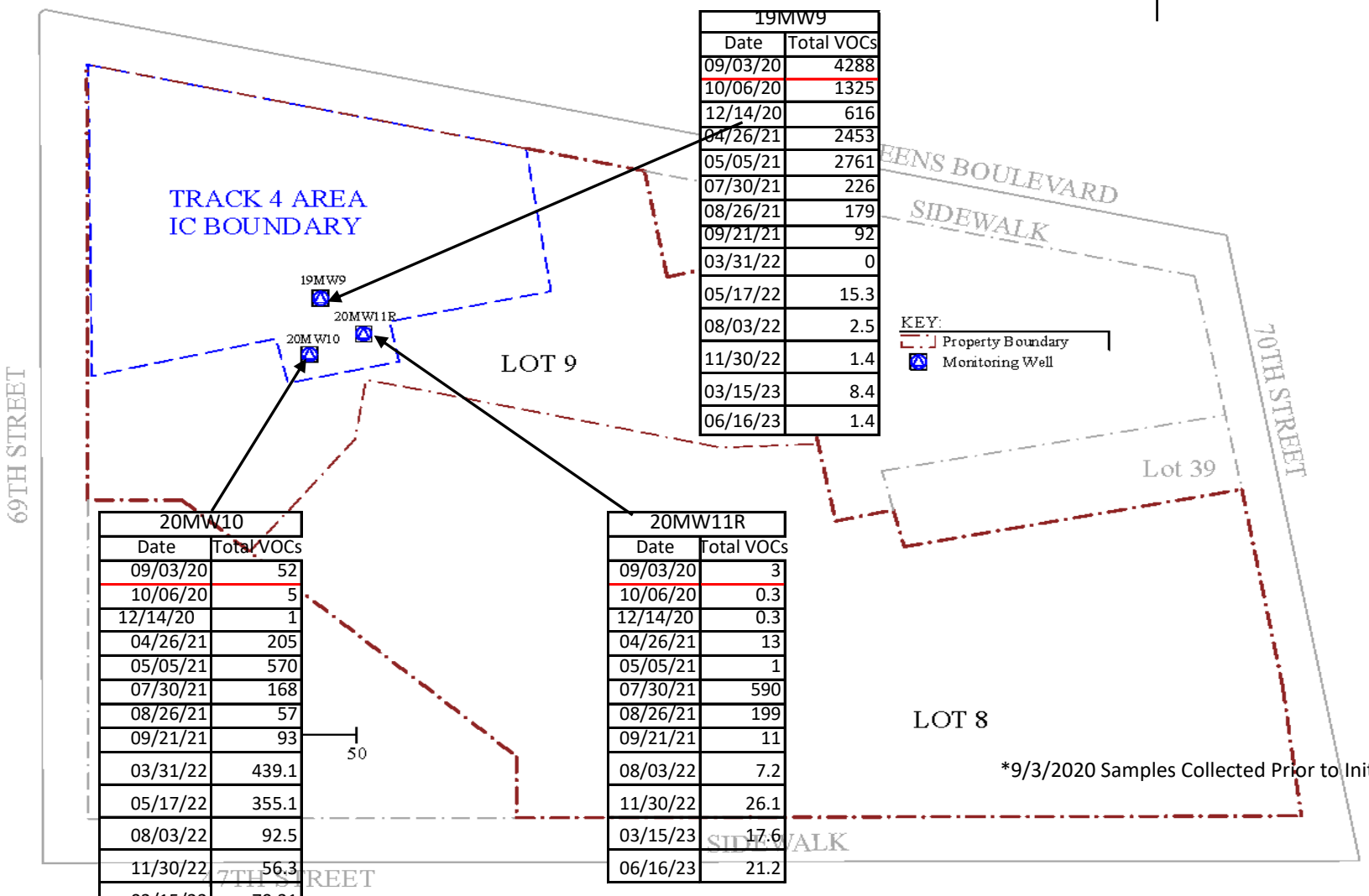
GRAPHS


Graph 1
19MW9 VOCs
69-02 Queens Blvd, Queens NY
September 2020 - June 2023
Total VOCs (ug/L)
5,000.00
4,500.00
4,000.00
3,500.00
3,000.00
2,500.00
2,000.00
1,500.00
1,000.00
500.00
0.00
-500.00
Jun-20
Jan-21
Jul-21
Feb-22
Aug-22
Mar-23
Oct-23
Date
Chemical Injections:
9/3/2020
6/2/2021
4288.0
1325.0
616.0
2453.0
2761.0
226.0
179.0
92.0
0.0
15.30
2.50
1.40
8.40
1.40
Historical Total VOC Concentrations


Graph 2
20MW10 VOCs
69-02 Queens Blvd, Queens NY
September 2020 - June 2023
Chemical Injections:
9/3/2020
6/2/2021
Total VOCs (ug/L)
600.0
500.0
400.0
300.0
200.0
100.0
0.0
-100.0
Jun-20
Jan-21
Jul-21
Feb-22
Aug-22
Mar-23
Oct-23
Date
52.0
5.0
1.0
205.0
570.0
168.0
57.0
93.0
439.1
355.1
92.5
56.3
70.3
3.8
Historical Total VOC Concentration


Graph 3
20MW11R VOCs
69-02 Queens Blvd, Queens NY
September 2020 - June 2023
Chemical Injections:
9/3/2020
6/2/2021
Total VOCs (ug/L)
700.0
600.0
500.0
400.0
300.0
200.0
100.0
0.0
-100.0
3.0
0.3
0.3
13
1
590
199
11
7.2
26.1
17.6
21.2
Jun-20
Jan-21
Jul-21
Feb-22
Aug-22
Mar-23
Oct-23
Date
Historical Total VOC Concentration

FIGURES



19MW9	
Date	Total VOCs
09/03/20	4288
10/06/20	1325
12/14/20	616
04/26/21	2453
05/05/21	2761
07/30/21	226
08/26/21	179
09/21/21	92
03/31/22	0
05/17/22	15.3
08/03/22	2.5
11/30/22	1.4
03/15/23	8.4
06/16/23	1.4

20MW10	
Date	Total VOCs
09/03/20	52
10/06/20	5
12/14/20	1
04/26/21	205
05/05/21	570
07/30/21	168
08/26/21	57
09/21/21	93
03/31/22	439.1
05/17/22	355.1
08/03/22	92.5
11/30/22	56.3
03/15/23	70.31
06/16/23	3.8

20MW11R	
Date	Total VOCs
09/03/20	3
10/06/20	0.3
12/14/20	0.3
04/26/21	13
05/05/21	1
07/30/21	590
08/26/21	199
09/21/21	11
08/03/22	7.2
11/30/22	26.1
03/15/23	17.6
06/16/23	21.2

*9/3/2020 Samples Collected Prior to Initial Chemical Injection

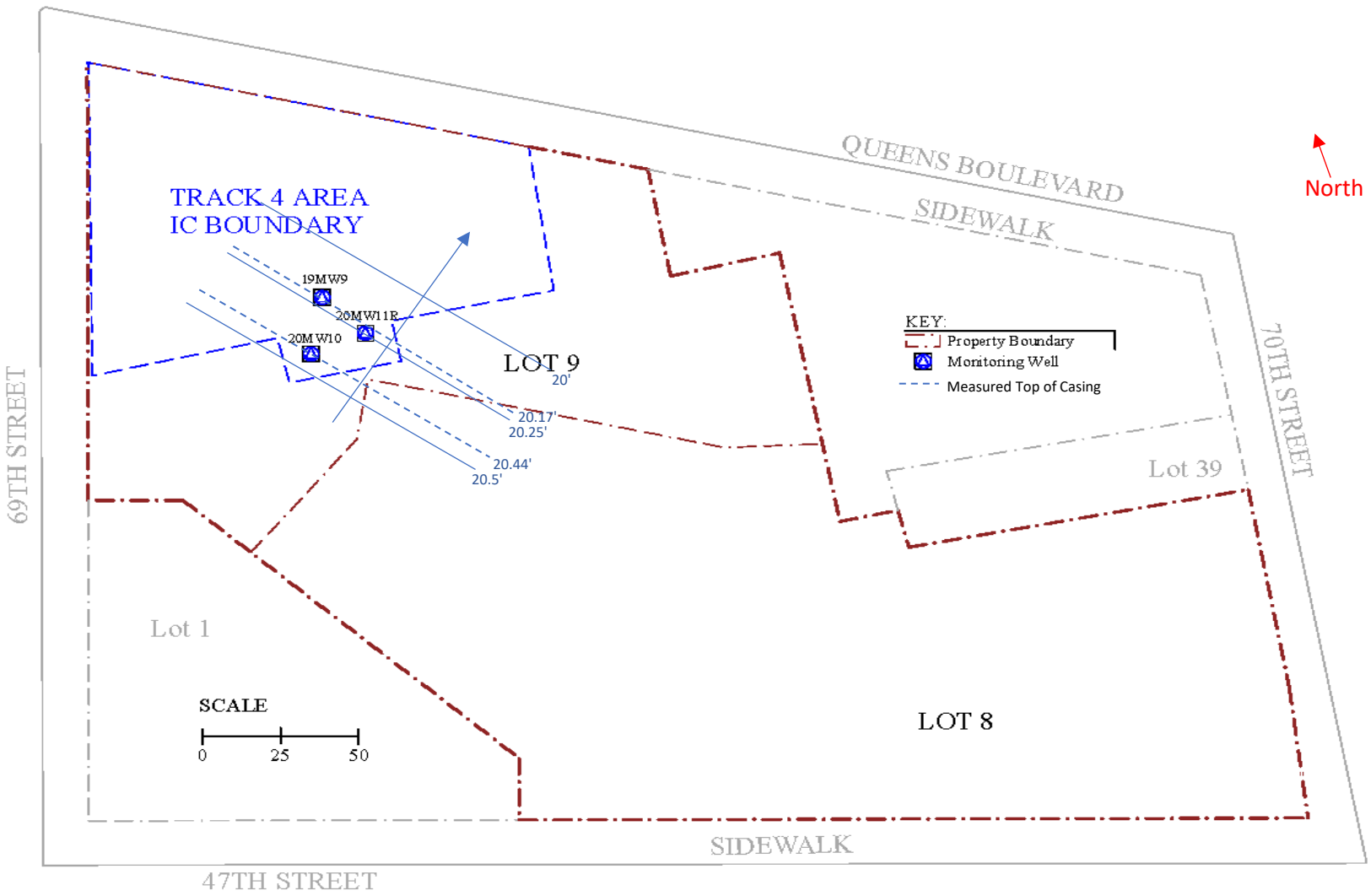
AMC ENGINEERING PLLC
18-36 42ND STREET
ASTORIA, NY 11105
718-545-0474

PROJECT:
69-02 QUEENS BOULEVARD
49-06 60TH STREET/46-10 70TH STREET,
WOODSIDE, NY

DATE: 4/24/2023

DRAWING BY: AE

TITLE: FIGURE 2: GROUNDWATER CONTOUR



AMC ENGINEERING PLLC 18-36 42ND STREET ASTORIA, NY 11105 718-545-0474		PROJECT: 69-02 QUEENS BOULEVARD 49-06 60TH STREET/46-10 70TH STREET, WOODSIDE, NY
DATE: 4/24/2023	DRAWING BY: AE	TITLE: FIGURE 2: GROUNDWATER CONTOUR

APPENDIX A

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORMS

AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105
Phone: (718) 545-0474

Well ID:	19MW9			Date:	16-Jun-23
Well Depth (from TOC):	15.4	ft		Equipment:	Horiba and peristaltic pump
Static Water Level (from TOC):	7.24	ft	After: 13.5 ft		
Height of Water in Well:	8.16	ft			
Gallons of Water per Well Volume:	1.332	gal		Field Sampler:	Jonathan Yi
Flow Rate:	0.07	gal/min			

Time	Temp C	pH	pHmV	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	Salinity (ppt)	Specific gravity (σt)	Pump Rate	Gal Removed	Comments
11:23	19.6	9.53	-147	23	2.09	1000	10.45	1.34	1.07	0	0.07	0.35	Clear, some silt
11:28	18.29	9.09	-121	23	2.13	1000	12.1	1.36	1.08	0	0.07	0.35	Clear, some silt
11:33	17.98	9.18	-126	34	2.1	1000	12.62	1.35	1.07	0	0.07	0.35	Clear, some silt
11:38	18.01	9.21	-128	39	2.07	1000	12.4	1.32	1.05	0	0.07	0.35	Clear, some silt
11:43	17.6	9.23	-129	40	2.07	630	12.61	1.32	1.05	0	0.07	0.35	Clear, some silt
11:48	17.59	9.24	-129	39	2.07	709	12.37	1.32	1.05	0	0.07	0.35	Clear, some silt
11:53	17.58	9.23	-129	38	2.06	1000	12.24	1.32	1.05	0	0.07	0.35	Clear, some silt
11:58	17.59	9.24	-129	37	2.06	1000	12.18	1.32	1.05	0	0.07	0.35	Clear, some silt

Other Notes / Comments:

Note: 250 mL = 0.07 gallons

AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105
Phone: (718) 545-0474

Well ID:	20MW10			Date:	16-Jun-23
Well Depth (from TOC):	10.25	ft		Equipment:	Horiba and peristaltic pump
Static Water Level (from TOC):	7.05	ft	After: 9.15 ft		
Height of Water in Well:	3.2	ft			
Gallons of Water per Well Volume:	0.522	gal		Field Sampler:	Jonathan Yi
Flow Rate:	0.07	gal/min			

Time	Temp C	pH	pHmV	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	Salinity (ppt)	Specific gravity (σt)	Pump Rate	Gal Removed	Comments
12:35	17.91	12.54	-320	-74	2.05	471	7.04	1.31	1.04	0	0.07	0.35	Clear, some silt
12:40	17.92	12.49	-317	-102	2.1	242	10.4	1.34	1.07	0	0.07	0.35	Clear, some silt
12:45	17.97	12.48	-317	-101	2.09	224	10.53	1.34	1.07	0	0.07	0.35	Clear, some silt
12:50	18.04	12.46	-316	-99	2.08	203	10.22	1.33	1.05	0	0.07	0.35	Clear, some silt
12:55	18.08	12.47	-316	-96	2.07	189	10.38	1.33	1.06	0	0.07	0.35	Clear, some silt
13:00	18.18	12.48	-314	-87	2.05	153	10.46	1.33	1.04	0	0.07	0.35	Clear, some silt
13:05	18.19	12.42	-313	-87	2.05	225	10.35	1.31	1.04	0	0.07	0.35	Clear, some silt
13:10	18.21	12.44	-314	-83	2.04	188	10.55	1.30	1.04	0	0.07	0.35	Clear, some silt

Other Notes / Comments:

Note: 250 mL = 0.07 gallons

AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105
Phone: (718) 545-0474

Well ID:	20MW11R			Date:	16-Jun-23
Well Depth (from TOC):	8.9	ft		Equipment:	Horiba and peristaltic pump
Static Water Level (from TOC):	7.19	ft	After: 8.22 ft		
Height of Water in Well:	1.71	ft			
Gallons of Water per Well Volume:	0.279	gal		Field Sampler:	Jonathan Yi
Flow Rate:	0.07	gal/min			

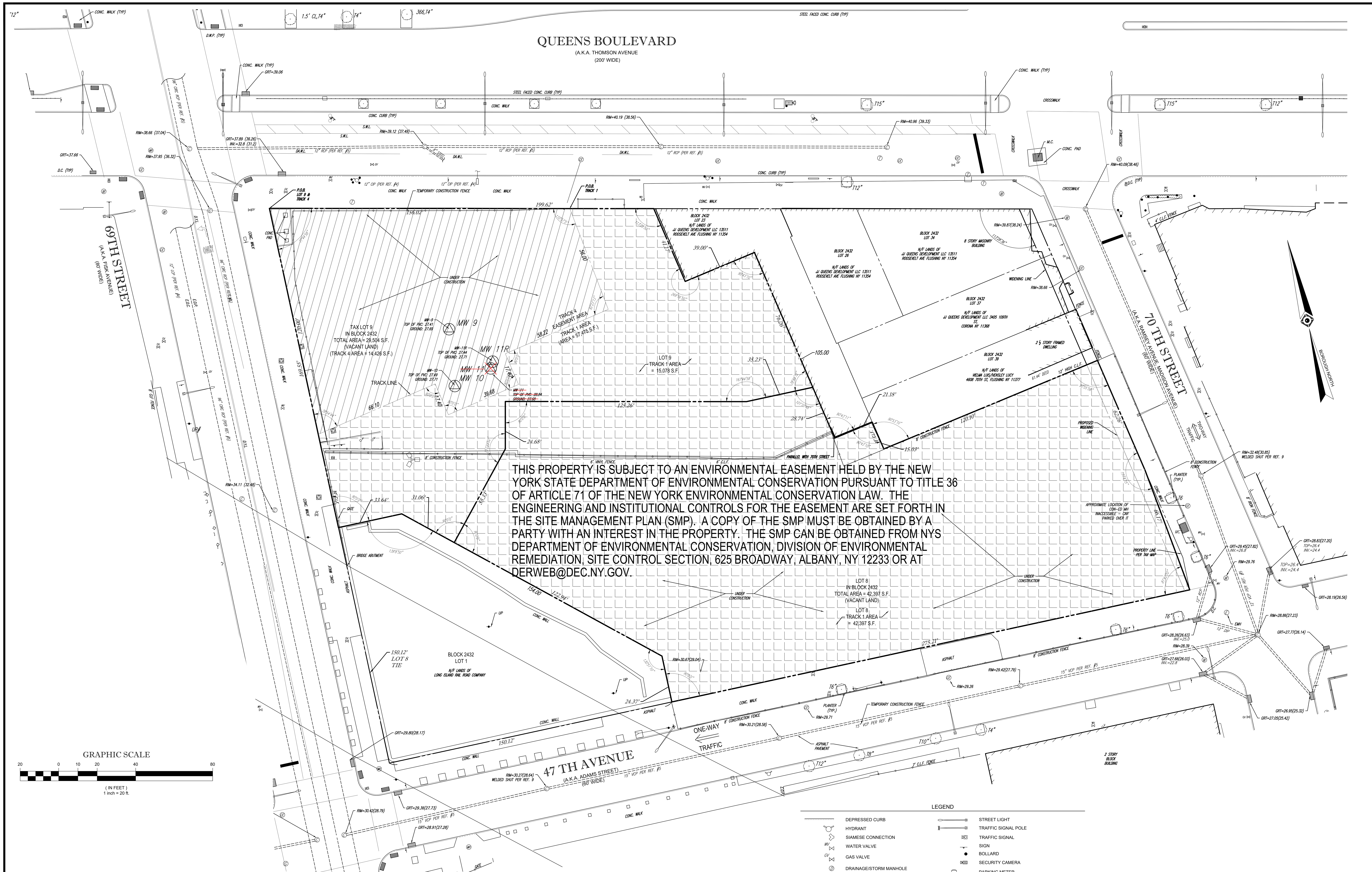
Time	Temp C	pH	pHmV	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	Salinity (ppt)	Specific gravity (σt)	Pump Rate	Gal Removed	Comments
2:00	18.36	11.48	-259	7	0.004	504	12.29	0.003	0	0	0.07	0.35	Cloudy
2:05	18.23	11.12	-238	37	0.004	526	11.73	0.003	0	0	0.07	0.35	Cloudy
2:10	18.17	11.06	-235	43	0.004	527	11.66	0.002	0	0	0.07	0.35	Cloudy
2:15	18.12	11.01	-231	49	0.004	526	11.61	0.003	0	0	0.07	0.35	Cloudy
2:20	18.06	10.91	-226	56	0.003	525	11.86	0.002	0	0	0.07	0.35	Cloudy
2:25	18.06	10.91	-226	56	0.003	525	11.86	0.002	0	0	0.07	0.35	Cloudy

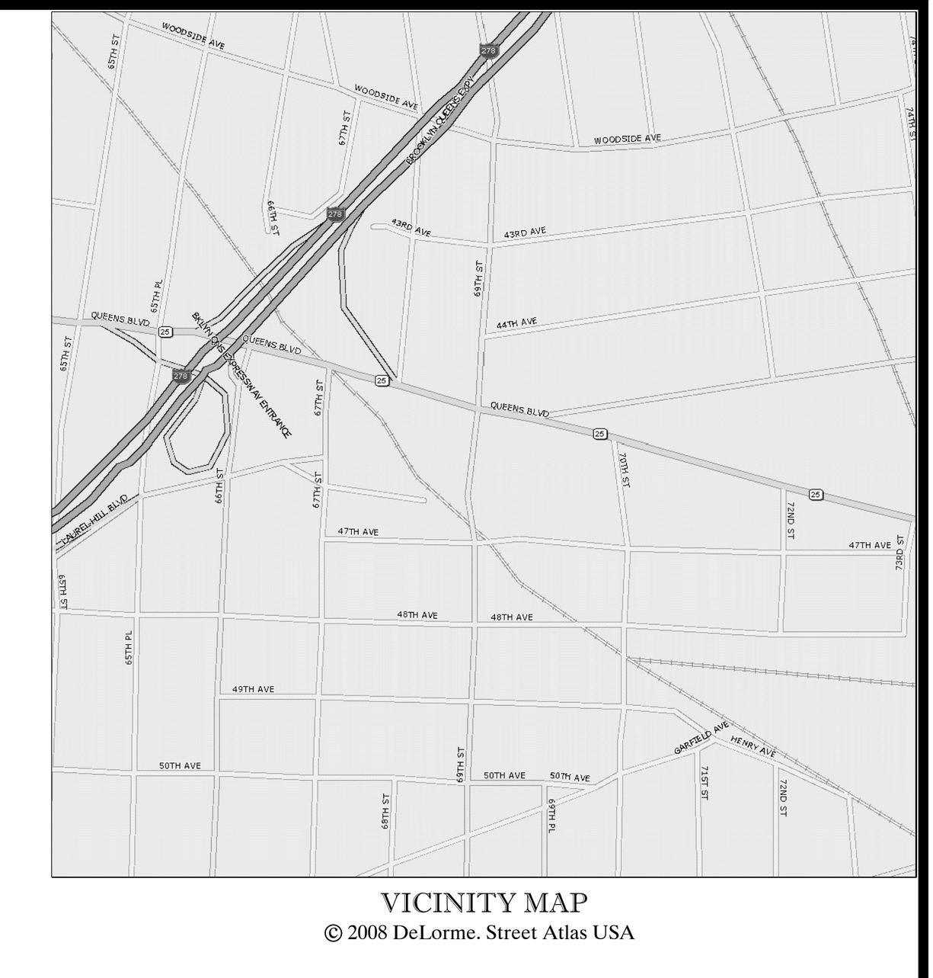
Other Notes / Comments:

Note: 250 mL = 0.07 gallons

APPENDIX B

2023 Monitoring Well Survey





GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

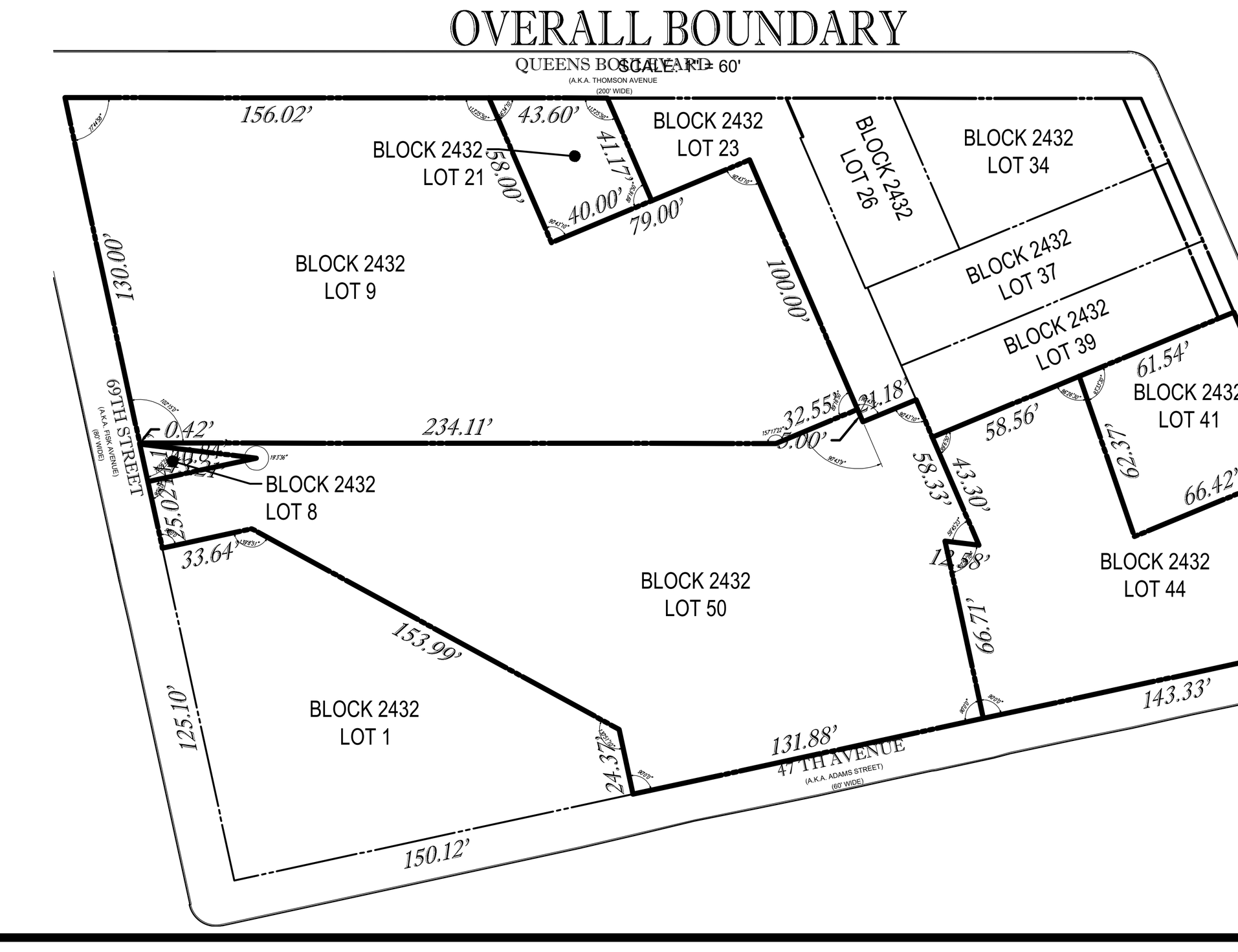
NOTES:

1. PROPERTY KNOWN AS LOTS 8, 9, 21, 41, 44, BLOCK 2432, AS SHOWN ON THE NEW YORK CITY DIGITAL TAX MAP OF THE BOROUGH OF QUEENS, QUEENS COUNTY, CITY AND STATE OF NEW YORK.
2. AREA SUMMARY
   LOT 8 AREA = 288 S.F. OR 0.007 AC.
   LOT 9 AREA = 29,011 S.F. OR 0.666 AC.
   LOT 21 AREA = 1,983 S.F. OR 0.046 AC.
   LOT 41 AREA = 3,983 S.F. OR 0.091 AC.
   LOT 44 AREA = 11,243 S.F. OR 0.258 AC.
   LOT 50 AREA = 25,393 S.F. OR 0.583 AC.
   TOTAL AREA = 71,901 S.F. OR 1.651 AC.
3. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE ASBUILT PLANS AND UTILITY MARKOUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED.
4. THIS PLAN IS BASED ON INFORMATION PROVIDED BY A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC. AND OTHER REFERENCE MATERIAL AS LISTED HEREON.
5. THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY.
6. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BASED ON GPS OBSERVATIONS UTILIZING THE KEYSTONE VRS NETWORK (KEYNETGPS).

REFERENCES:

1. THE NEW YORK CITY DIGITAL TAX MAP OF THE BOROUGH OF QUEENS, QUEENS COUNTY, CITY AND STATE OF NEW YORK.
2. MAP ENTITLED "NATIONAL FLOOD HAZARD LAYER FIRMETTE," NON PRINTED PANEL, MAP NUMBER 3604970207F.
3. SECTIONAL MAP NO. 11 & 18, PROVIDED BY THE BOROUGH OF QUEENS TOPOGRAPHICAL BUREAU, DATED: APRIL 23, 1920.
4. MAP ENTITLED "WATER MAPPING, NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER AND SEWER OPERATIONS 59-17 JUNCTION BOULEVARD, 3RD FLOOR CORONA, NY 11373-5108" MAP PRINTED 08/03/2015.
5. MAP ENTITLED "SEWER MAPPING, NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER AND SEWER OPERATIONS 59-17 JUNCTION BOULEVARD, 3RD FLOOR CORONA, NY 11373-5108" MAP PRINTED 08/03/2015.
6. MAP ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY, 69-02 QUEENS BLVD., LOTS 8, 9, 21, 50, 41 & 44, BLOCK 2432, BOROUGH & COUNTY OF QUEENS, CITY AND STATE OF NEW YORK", PREPARED BY CONTROL POINT ASSOCIATES, DATED 11-25-15, LAST REVISED 10-27-16 AS REVISION 2.
7. MAP ENTITLED "STREET FURNITURE SURVEY, 69-02 QUEENS BLVD., LOTS 8, 9, 21, 50, 41 & 44, BLOCK 2432, BOROUGH & COUNTY OF QUEENS, CITY AND STATE OF NEW YORK", PREPARED BY CONTROL POINT ASSOCIATES, DATED 02-02-18.
8. MAP ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY, 69-02 QUEENS BLVD., LOTS 9, 21, 50, 41 & 44, BLOCK 2432, BOROUGH & COUNTY OF QUEENS, CITY AND STATE OF NEW YORK", PREPARED BY CONTROL POINT ASSOCIATES, DATED 05-17-18, LAST REVISED 06-29-18 AS REVISION 1.
9. MAP ENTITLED "DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF WATER AND SEWER OPERATION, COLLECTION SYSTEMS INVESTIGATION, BOROUGH OF QUEENS", DATED 06-11-19

OVERALL BOUNDARY



LEGEND

- DEPRESSED CURB
- HYDRANT
- SIAMESE CONNECTION
- WATER VALVE
- GAS VALVE
- DRAINAGE/STORM MANHOLE
- SANITARY/SEWER MANHOLE
- COMBINED SEWER MANHOLE
- CON. ED. MANHOLE
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- UNKNOWN MANHOLE
- WATER MANHOLE
- GAS MANHOLE
- DETECTABLE WARNING PAD
- UTILITY POLE
- UTILITY POLE/LIGHT POLE
- GUY WIRE
- MAIL BOX
- EXISTING SPOT ELEVATION
- EXIST. TOP OF CURB ELEVATION
- EXIST. GUTTER ELEVATION
- EXIST. TOP OF WALL ELEVATION
- EXIST. BOTTOM OF WALL ELEVATION
- STREET LIGHT
- TRAFFIC SIGNAL POLE
- TRAFFIC SIGNAL
- SIGN
- BOLLARD
- SECURITY CAMERA
- PARKING METER
- MONITORING WELL
- MONITORING WELL ON CONC.
- PAY PHONE
- CATCH BASIN OR INLET
- DECIDUOUS TREE
- C.L.F. CHAIN LINK FENCE
- D.C. DEPRESSED CURB
- E.O.C. EDGE OF CONC.
- E.O.P. EDGE OF PAVEMENT
- M.C. METAL COVER
- (TYP.) TYPICAL
- OH OVERHEAD WIRES
- G APPROX. LOC. UNDERGROUND GAS LINE
- E APPROX. LOC. UNDERGROUND ELEC. LINE
- FO APPROX. LOC. UNDERGROUND FIBER OPTIC LINE
- T APPROX. LOC. UNDERGROUND TEL. LINE
- W APPROX. LOC. UNDERGROUND WATER LINE
- RIM=125.00 (124.38) RIM NAVD 88 (BOROUGH SEWER DATUM)
- INV.=123.00 (122.4) INV. NAVD 88 (BOROUGH SEWER DATUM)

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.

ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.

THIS SURVEY HAS BEEN PERFORMED IN THE FIELD UNDER MY SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, BELIEF, AND INFORMATION, THIS SURVEY HAS BEEN PERFORMED IN ACCORDANCE WITH CURRENTLY ACCEPTED ACCURACY STANDARDS.

NOT A VALID ORIGINAL DOCUMENT UNLESS SEALED

..\..\..\CPA-ADMIN\ADMIN\MWolfe\eSeal_NY_Weed.jpg

JAMES C. WEED
NEW YORK PROFESSIONAL LAND SURVEYOR #50765

04-20-2023
DATE

No.	DESCRIPTION OF REVISION	FIELD CREW	DRAWN:	APPROVED:	DATE
1	MONITOR WELL LOCATIONS (MW-9, MW-10 & MW-11)	K.R.	J.L.K.	J.C.W.	04-20-2023

FIELD DATE: 08-16-2021
FIELD BOOK NO.: 21-40
FIELD BOOK PG.: 90
FIELD CREW: B.B.
DRAWN: M.R.G.

MONITORING WELL SKETCH
69-02 QUEENS BLVD.

WOODSIDE, NY 11377
LOTS 8, 9, 21, 41, 44 & 50, BLOCK 2432
BOROUGH & COUNTY OF QUEENS
CITY & STATE OF NEW YORK

CONTROL POINT ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NJ 07059
908.668.0099 - 908.668.9595 FAX
WWW.CPASURVEY.COM

CHALFONT, PA 215.712.9800
MT. LAUREL, NJ 609.857.2099
MANHATTAN, NY 646.780.0411
LONG ISLAND, NY 631.580.2645
SOUTHBOROUGH, MA 508.948.3000
BOSTON, MA 800.668.1819
ALBANY, NY 518.217.510

REVIEWED:	APPROVED:	DATE	SCALE	FILE NO.	DWG. NO.
M.W.	J.C.W.	09-20-2021	1" = 20'	01-150394-00	1 OF 1

APPENDIX C

LABORATORY REPORTS

PHOENIX
Environmental Laboratories, Inc.

Monday, June 26, 2023

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

Project ID: 69-02 QUEENS BOULEVARD, QUEENS
SDG ID: GCO32967
Sample ID#s: CO32967 - CO32970

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

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

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

NY # 11301

Sample Id Cross Reference

June 26, 2023

SDG I.D.: GCO32967

Project ID: 69-02 QUEENS BOULEVARD, QUEENS

Client Id	Lab Id	Matrix
19MW9	CO32967	GROUND WATER
20MW10	CO32968	GROUND WATER
20MW11R	CO32969	GROUND WATER
TRIP BLANK	CO32970	GROUND WATER

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 26, 2023

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:		06/16/23	12:00
Location Code:	AMC-ENG	Received by:	CP	06/20/23	17:28
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCO32967
Phoenix ID: CO32967

Project ID: 69-02 QUEENS BOULEVARD, QUEENS
Client ID: 19MW9

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	06/21/23	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	06/21/23	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	06/21/23	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	06/21/23	MH	SW8260C	

Project ID: 69-02 QUEENS BOULEVARD, QUEENS
Client ID: 19MW9

Phoenix I.D.: CO32967

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	06/21/23	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	06/21/23	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	06/21/23	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	06/21/23	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	06/21/23	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	06/21/23	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	06/21/23	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	06/21/23	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
n-Propylbenzene	1.4	1.0	ug/L	1	06/21/23	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	06/21/23	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	06/21/23	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	06/21/23	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101		%	1	06/21/23	MH	70 - 130 %	
% Bromofluorobenzene	96		%	1	06/21/23	MH	70 - 130 %	
% Dibromofluoromethane	99		%	1	06/21/23	MH	70 - 130 %	

Ver 1

Project ID: 69-02 QUEENS BOULEVARD, QUEENS
Client ID: 19MW9

Phoenix I.D.: CO32967

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	96		%	1	06/21/23	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 at RL/PQL
BRL=Below Reporting Level L=Biased Low
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

June 26, 2023

Reviewed and Released by: Rashmi Makol, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 26, 2023

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:		06/16/23	14:00
Location Code:	AMC-ENG	Received by:	CP	06/20/23	17:28
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCO32967
Phoenix ID: CO32968

Project ID: 69-02 QUEENS BOULEVARD, QUEENS
Client ID: 20MW10

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	06/21/23	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	06/21/23	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	06/21/23	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	06/21/23	MH	SW8260C	

Project ID: 69-02 QUEENS BOULEVARD, QUEENS
Client ID: 20MW10

Phoenix I.D.: CO32968

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	06/21/23	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	06/21/23	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	06/21/23	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	06/21/23	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	06/21/23	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	06/21/23	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	06/21/23	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	06/21/23	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
n-Propylbenzene	3.8	1.0	ug/L	1	06/21/23	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	06/21/23	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	06/21/23	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	06/21/23	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101		%	1	06/21/23	MH	70 - 130 %	
% Bromofluorobenzene	99		%	1	06/21/23	MH	70 - 130 %	
% Dibromofluoromethane	97		%	1	06/21/23	MH	70 - 130 %	

Ver 1

Project ID: 69-02 QUEENS BOULEVARD, QUEENS
Client ID: 20MW10

Phoenix I.D.: CO32968

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	97		%	1	06/21/23	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 at RL/PQL
BRL=Below Reporting Level L=Biased Low
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

June 26, 2023

Reviewed and Released by: Rashmi Makol, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 26, 2023

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:		06/16/23	16:00
Location Code:	AMC-ENG	Received by:	CP	06/20/23	17:28
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCO32967
Phoenix ID: CO32969

Project ID: 69-02 QUEENS BOULEVARD, QUEENS
Client ID: 20MW11R

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	06/21/23	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2,4-Trimethylbenzene	5.8	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	06/21/23	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	06/21/23	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	06/21/23	MH	SW8260C	

Project ID: 69-02 QUEENS BOULEVARD, QUEENS
Client ID: 20MW11R

Phoenix I.D.: CO32969

Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	50	S	25	ug/L	5	06/22/23	MH	SW8260C	
Acrylonitrile	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
Benzene	ND		0.70	ug/L	1	06/21/23	MH	SW8260C	
Bromobenzene	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
Bromochloromethane	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
Bromodichloromethane	ND		0.50	ug/L	1	06/21/23	MH	SW8260C	
Bromoform	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
Bromomethane	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
Carbon Disulfide	ND		5.0	ug/L	1	06/21/23	MH	SW8260C	
Carbon tetrachloride	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
Chlorobenzene	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
Chloroethane	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
Chloroform	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
Chloromethane	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	ug/L	1	06/21/23	MH	SW8260C	
Dibromochloromethane	ND		0.50	ug/L	1	06/21/23	MH	SW8260C	
Dibromomethane	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
Ethylbenzene	4.3		1.0	ug/L	1	06/21/23	MH	SW8260C	
Hexachlorobutadiene	ND		0.40	ug/L	1	06/21/23	MH	SW8260C	
Isopropylbenzene	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
m&p-Xylene	3.3		1.0	ug/L	1	06/21/23	MH	SW8260C	
Methyl ethyl ketone	ND		5.0	ug/L	1	06/21/23	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
Methylene chloride	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
Naphthalene	10		1.0	ug/L	1	06/21/23	MH	SW8260C	
n-Butylbenzene	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
n-Propylbenzene	1.1		1.0	ug/L	1	06/21/23	MH	SW8260C	
o-Xylene	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
sec-Butylbenzene	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
Styrene	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
tert-Butylbenzene	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
Tetrachloroethene	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
Tetrahydrofuran (THF)	ND		2.5	ug/L	1	06/21/23	MH	SW8260C	1
Toluene	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
Total Xylenes	3.3		1.0	ug/L	1	06/21/23	MH	SW8260C	
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	ug/L	1	06/21/23	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		5.0	ug/L	1	06/21/23	MH	SW8260C	
Trichloroethene	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
Vinyl chloride	ND		1.0	ug/L	1	06/21/23	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	06/21/23	MH	70 - 130 %	
% Bromofluorobenzene	98			%	1	06/21/23	MH	70 - 130 %	
% Dibromofluoromethane	100			%	1	06/21/23	MH	70 - 130 %	

Ver 1

Project ID: 69-02 QUEENS BOULEVARD, QUEENS
Client ID: 20MW11R

Phoenix I.D.: CO32969

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	96		%	1	06/21/23	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (5x)	99		%	5	06/22/23	MH	70 - 130 %
% Bromofluorobenzene (5x)	96		%	5	06/22/23	MH	70 - 130 %
% Dibromofluoromethane (5x)	102		%	5	06/22/23	MH	70 - 130 %
% Toluene-d8 (5x)	96		%	5	06/22/23	MH	70 - 130 %

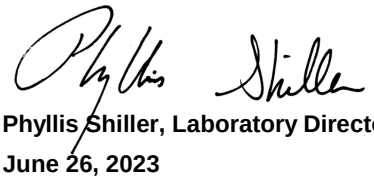
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
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:

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

June 26, 2023

Reviewed and Released by: Rashmi Makol, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 26, 2023

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:		06/16/23	
Location Code:	AMC-ENG	Received by:	CP	06/20/23	17:28
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCO32967
Phoenix ID: CO32970

Project ID: 69-02 QUEENS BOULEVARD, QUEENS
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	06/21/23	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	06/21/23	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	06/21/23	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	06/21/23	MH	SW8260C	

Project ID: 69-02 QUEENS BOULEVARD, QUEENS
Client ID: TRIP BLANK

Phoenix I.D.: CO32970

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	06/21/23	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	06/21/23	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	06/21/23	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	06/21/23	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	06/21/23	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	06/21/23	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	06/21/23	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	06/21/23	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	06/21/23	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	06/21/23	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	06/21/23	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	06/21/23	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99		%	1	06/21/23	MH	70 - 130 %	
% Bromofluorobenzene	92		%	1	06/21/23	MH	70 - 130 %	
% Dibromofluoromethane	93		%	1	06/21/23	MH	70 - 130 %	

Ver 1

Project ID: 69-02 QUEENS BOULEVARD, QUEENS
Client ID: TRIP BLANK

Phoenix I.D.: CO32970

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	95		%	1	06/21/23	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 at RL/PQL
BRL=Below Reporting Level L=Biased Low
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

June 26, 2023

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

June 26, 2023

QA/QC Data

SDG I.D.: GCO32967

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 683679 (ug/L), QC Sample No: CO32970 (CO32967, CO32968, CO32969, CO32970)										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	113	110	2.7				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	108	106	1.9				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	118	113	4.3				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	115	113	1.8				70 - 130	30
1,1-Dichloroethane	ND	1.0	107	107	0.0				70 - 130	30
1,1-Dichloroethene	ND	1.0	108	107	0.9				70 - 130	30
1,1-Dichloropropene	ND	1.0	110	109	0.9				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	127	125	1.6				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	110	109	0.9				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	124	122	1.6				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	112	111	0.9				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	127	117	8.2				70 - 130	30
1,2-Dibromoethane	ND	1.0	120	118	1.7				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	111	110	0.9				70 - 130	30
1,2-Dichloroethane	ND	1.0	115	111	3.5				70 - 130	30
1,2-Dichloropropane	ND	1.0	110	108	1.8				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	111	111	0.0				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	109	109	0.0				70 - 130	30
1,3-Dichloropropane	ND	1.0	116	116	0.0				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	109	107	1.9				70 - 130	30
2,2-Dichloropropane	ND	1.0	111	105	5.6				70 - 130	30
2-Chlorotoluene	ND	1.0	113	112	0.9				70 - 130	30
2-Hexanone	ND	5.0	114	117	2.6				70 - 130	30
2-Isopropyltoluene	ND	1.0	109	111	1.8				70 - 130	30
4-Chlorotoluene	ND	1.0	112	111	0.9				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	120	114	5.1				70 - 130	30
Acetone	ND	5.0	106	105	0.9				70 - 130	30
Acrylonitrile	ND	5.0	115	110	4.4				70 - 130	30
Benzene	ND	0.70	109	108	0.9				70 - 130	30
Bromobenzene	ND	1.0	114	113	0.9				70 - 130	30
Bromochloromethane	ND	1.0	109	110	0.9				70 - 130	30
Bromodichloromethane	ND	0.50	114	110	3.6				70 - 130	30
Bromoform	ND	1.0	109	107	1.9				70 - 130	30
Bromomethane	ND	1.0	119	124	4.1				70 - 130	30
Carbon Disulfide	ND	1.0	102	101	1.0				70 - 130	30
Carbon tetrachloride	ND	1.0	107	106	0.9				70 - 130	30
Chlorobenzene	ND	1.0	108	108	0.0				70 - 130	30
Chloroethane	ND	1.0	109	105	3.7				70 - 130	30
Chloroform	ND	1.0	105	104	1.0				70 - 130	30
Chloromethane	ND	1.0	114	116	1.7				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	112	112	0.0				70 - 130	30

QA/QC Data

SDG I.D.: GCO32967

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,3-Dichloropropene	ND	0.40	115	114	0.9				70 - 130	30	
Dibromochloromethane	ND	0.50	116	113	2.6				70 - 130	30	
Dibromomethane	ND	1.0	119	116	2.6				70 - 130	30	
Dichlorodifluoromethane	ND	1.0	123	123	0.0				70 - 130	30	
Ethylbenzene	ND	1.0	110	109	0.9				70 - 130	30	
Hexachlorobutadiene	ND	0.40	111	114	2.7				70 - 130	30	
Isopropylbenzene	ND	1.0	112	113	0.9				70 - 130	30	
m&p-Xylene	ND	1.0	110	110	0.0				70 - 130	30	
Methyl ethyl ketone	ND	5.0	112	110	1.8				70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	115	109	5.4				70 - 130	30	
Methylene chloride	ND	1.0	105	102	2.9				70 - 130	30	
Naphthalene	ND	1.0	136	130	4.5				70 - 130	30	I
n-Butylbenzene	ND	1.0	114	116	1.7				70 - 130	30	
n-Propylbenzene	ND	1.0	111	112	0.9				70 - 130	30	
o-Xylene	ND	1.0	114	114	0.0				70 - 130	30	
p-Isopropyltoluene	ND	1.0	112	115	2.6				70 - 130	30	
sec-Butylbenzene	ND	1.0	111	112	0.9				70 - 130	30	
Styrene	ND	1.0	116	117	0.9				70 - 130	30	
tert-Butylbenzene	ND	1.0	113	113	0.0				70 - 130	30	
Tetrachloroethene	ND	1.0	109	108	0.9				70 - 130	30	
Tetrahydrofuran (THF)	ND	2.5	112	107	4.6				70 - 130	30	
Toluene	ND	1.0	110	109	0.9				70 - 130	30	
trans-1,2-Dichloroethene	ND	1.0	106	105	0.9				70 - 130	30	
trans-1,3-Dichloropropene	ND	0.40	116	115	0.9				70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	100	97	3.0				70 - 130	30	
Trichloroethene	ND	1.0	109	106	2.8				70 - 130	30	
Trichlorofluoromethane	ND	1.0	112	110	1.8				70 - 130	30	
Trichlorotrifluoroethane	ND	1.0	101	100	1.0				70 - 130	30	
Vinyl chloride	ND	1.0	112	113	0.9				70 - 130	30	
% 1,2-dichlorobenzene-d4	101	%	101	100	1.0				70 - 130	30	
% Bromofluorobenzene	96	%	100	101	1.0				70 - 130	30	
% Dibromofluoromethane	102	%	99	102	3.0				70 - 130	30	
% Toluene-d8	96	%	101	100	1.0				70 - 130	30	

Comment:

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

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

QA/QC Batch 683912 (ug/L), QC Sample No: CO34116 (CO32969 (5X))

Volatiles - Ground Water

Acetone	ND	5.0	102	103	1.0				70 - 130	30	
% 1,2-dichlorobenzene-d4	102	%	100	101	1.0				70 - 130	30	
% Bromofluorobenzene	96	%	103	101	2.0				70 - 130	30	
% Dibromofluoromethane	102	%	102	99	3.0				70 - 130	30	
% Toluene-d8	96	%	100	100	0.0				70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

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

QA/QC Data

SDG I.D.: GCO32967

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

Phyllis Shiller, Laboratory Director
June 26, 2023

Monday, June 26, 2023

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCO32967 - AMC-ENG

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

*** No Data to Display ***

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

June 26, 2023 SDG I.D.: GCO32967

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

VOA Narration

CHEM17 06/21/23-1: CO32967, CO32968, CO32969, CO32970

Chem 17 is a 25ml purge instrument. The laboratory minimum response factor is set at 0.01 instead of 0.05 for the 25ml purge instruments. EPA method 8260D Table 4 supports this approach.

The following Initial Calibration compounds did not meet RSD% criteria: Naphthalene 24% (20%), trans-1,4-dichloro-2-butene 23% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.038 (0.05), 2-Hexanone 0.045 (0.1), 4-Methyl-2-pentanone 0.064 (0.1), Acetone 0.027 (0.1), Acrylonitrile 0.032 (0.05), Methyl ethyl ketone 0.042 (0.1), Tetrahydrofuran (THF) 0.024 (0.05)
The following Initial Calibration compounds did not meet minimum response factors: 1,2-Dibromo-3-chloropropane 0.038 (0.05), 2-Hexanone 0.045 (0.05), Acetone 0.027 (0.05), Acrylonitrile 0.032 (0.05), Methyl ethyl ketone 0.042 (0.05), Tetrahydrofuran (THF) 0.024 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.041 (0.05), 2-Hexanone 0.047 (0.05), Acetone 0.027 (0.05), Acrylonitrile 0.034 (0.05), Methyl ethyl ketone 0.041 (0.05), Tetrahydrofuran (THF) 0.025 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: 1,2-Dibromo-3-chloropropane 0.038 (0.05), 2-Hexanone 0.045 (0.05), Acetone 0.027 (0.05), Acrylonitrile 0.032 (0.05), Methyl ethyl ketone 0.042 (0.05), Tetrahydrofuran (THF) 0.024 (0.05)

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

CHEM17 06/22/23-1: CO32969

Chem 17 is a 25ml purge instrument. The laboratory minimum response factor is set at 0.01 instead of 0.05 for the 25ml purge instruments. EPA method 8260D Table 4 supports this approach.

The following Initial Calibration compounds did not meet recommended response factors: Acetone 0.027 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: Acetone 0.027 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: Acetone 0.028 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: Acetone 0.027 (0.05)

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

June 26, 2023

SDG I.D.: GCO32967

The samples in this delivery group were received at 1.2°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler Yes ☑ No ☐
Coolant: IPK ☑ ICE ☐ No ☐

NY/NJ/PA CHAIN OF CUSTODY RECORD

Temp 1.2C Pg of

PHOENIX
Environmental Laboratories, Inc.

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

Contact Options:
☐ Phone: 718 545-0474
☐ Fax: 516 706-3214
■ Email: ARIEL@AMC-ENGINEERING.COM

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

Project: 69-02 Queens Boulevard, Queens
Report to: ARIEL CZEMERINSKI
Invoice to: AMC ENGINEERING PLLC
QUOTE # : N/A

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 6/16/2023

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	x VOCs (EPA Method 8260C))	GL Amber 8 oz. [ ] w/H_3PO_4 [ ] $NAHSO_4$	Soil VOA Vials [ ] methanol [ ] H_2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [x] HCl	GL Amber 1000ml [ ] As is [ ] H_2SO_4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H_2SO_4 [ ] 250ml [ ] 500ml	PL NAOH 250ml	PL HNO_3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
32967	19MW9	GW	6/16/2023	12:00 PM	x					3							
32968	20MW10	GW	6/16/2023	2:00 PM	x					3							
32969	20MW11R	GW	6/16/2023	4:00 PM	x					3							
32970	Trip Blank	GW	N/A	N/A	x					2							

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	6.20.23	1359
[signature]	[signature]	6.20.23	1728

Comments, Special Requirements or Regulations:

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

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

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

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

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

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

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

State Samples Collected?
NY