February 22, 2019

Ms. Ruth Curley
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
625 Broadway, Albany, New York 12233

Re: Quarterly Inspection Report
Former Union Wire Die Corp.
39-40 30th Street, Queens, New York
NYSDEC BCP Number: C241163

Dear Ms. Curley:

Please find the enclosed Quarterly Inspection Report for the above referenced project for the fourth quarter of 2018. In accordance with the Site Management Plan (SMP); data from the Soil Vapor Extraction (SVE) Pre-Carbon, six indoor ambient air locations; IA1, IA2, IA3, IA4, IA5, IA6, one outdoor ambient air location; OA1, and groundwater monitoring locations MW3 and MW4 are included in this report.

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

Very truly yours,

Chawinie Reilly
Project Manager

Cc: M. Komoroske, NYSDEC
K. Lewandowski, NYSDEC
C. Sosik, EBC
A. Czemerinski, AMC

1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870

FORMER UNION WIRE DIE CORP.

NYSDEC BCP Number C241163
Project Status Report
Quarter 4 2018

Reporting Summary

Report Date:	February 22, 2019
Reporting Period:	4th Quarter of 2018
Site Status:	The building is currently in service and occupied.
Work Performed this Quarter:	December 13th – Quarterly PID measurements of SVE wells, influent and after GSC units, annual groundwater sampling, annual air sample for pre-carbon location and ambient indoor air samples were collected.

Monitoring Program Summary

No. of Sampling Points:	2 on-site groundwater monitoring wells (MW3 and MW4), pre-carbon, 6 indoor air sample locations (IA1-IA6) and 1 outdoor sample location (OA1).
Gauging Frequency:	Annually for monitoring wells, pre-carbon location and indoor and outdoor air sample locations. Quarterly for PID measurements for SVE wells, Pre-carbon, and Post-carbon.
Sampling Frequency:	Annually for 2 on-site monitoring wells (MW3 and MW4) Pre-carbon, 6 indoor air sampling locations (IA1-IA6) and 1 outdoor air sampling location (OA1). Quarterly for PID measurements for SVE wells (VE-1-VE-4), Pre-carbon, and Post-carbon.
Reporting Frequency:	Quarterly Inspection Report (Quarterly).
Groundwater Depth:	20 feet below sidewalk grade
GW Flow Direction:	South.
Monitoring Results:	Based on PID readings and the laboratory analysis the system is running properly.
Sampling Results:	Based on PID readings and the laboratory analysis the system is running properly.

LIQUID LEVEL MONITORING

Depth to water readings are taken from MW3 and MW4 on an annual basis 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 during this quarter.

GROUNDWATER SAMPLING

The 4Q18 groundwater sampling event was performed on December 13, 2018. The groundwater samples were collected from MW3 and MW4 in accordance with the low-flow groundwater sampling procedures outlined within the SMP. See **Figure 1,** for the location of MW3 and MW4. 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 EBC'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 for the fourth quarter sampling event are summarized and compared to their respectively Groundwater Quality Standards (GQSs) in **Table 1.**

AIR SAMPLING

The indoor and outdoor ambient air samples were collected in 6 Liter summa canisters fitted with 8 hr laboratory calibrated regulators. The sample identification, date, start time, start vacuum, end time and end vacuum were recorded on tags attached to each canister and on the chain of custody. The sampling event consisted of the collection and laboratory analysis of six indoor air samples (IA1 through IA6) and one outdoor air sample (OA1) throughout the first and second floor of the building.

The most recent sampling event was performed on December 13, 2018. The SVE sampling ports and post carbon locations were field screened with a photo-ionization detector (PID), and an SVE pre carbon sample was collected with a 1 L tedlar bag using a peristaltic pump. The air sample collected from the pre-carbon location was collected using a peristaltic pump in order to create suction through the brass sampling port at the well head that was then connected to the 1 Liter (L) tedlar bag.

The 1 L tedlar bag and summa canisters were picked up at EBC'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 air samples were submitted for laboratory analysis of VOCs via Method TO-15.

Copies of the laboratory reports are attached in **Appendix C**. Routine System Inspection Forms are attached in **Appendix D**. The laboratory results for indoor and outdoor air samples are summarized and compared to their appropriate standards/criteria in **Table 2**. The laboratory results for Pre-carbon air sample is compared to the appropriate standards/criteria in **Table 3**.

Routine System Inspection Forms are attached in **Appendix A**.

ANNUALGROUNDWATER SAMPLING RESULTS

MW3 – VOCs including, cis-1,2-dichloroethene (230 µg/L), tetrachloroethene (82 µg/L), trans-1,2-dichloroethene (5.4 µg/L), and trichloroethene (130 µg/L), were reported above NYSDEC Groundwater Quality Standards. A total VOC concentration of 458.45 µg/L, was reported during the fourth quarter 2018 sampling event.

MW4 – VOCs including, cis-1,2-dichloroethene (420 µg/L), tetrachloroethene (100 µg/L) and trichloroethene (22 µg/L), were reported above NYSDEC Groundwater Quality Standards. A total VOC concentration of 546.23 µg/L was reported during the fourth quarter 2017 sampling event.

Copies of the laboratory reports are attached as **Appendix B**. The laboratory results for the fourth quarter sampling event are summarized and compared to their respectively Groundwater Quality Standards (GQSs) in **Table 1.**

ANNUAL AIR SAMPLE RESULTS

PRE-CARBON – The December BTEX concentration was reported at 18.05 µg/m^3. The total VOC concentrations during this period was reported at 232.69 µg/m^3. PID reading for this port was not collected due to a field error.

IA1 – The baseline BTEX concentration was reported at 12.77 µg/m^3. The total VOC concentrations during this period was reported at 86.21 µg/m^3.

IA2 – The December 2018 BTEX concentration was reported at 10.65 µg/m^3. The total VOC concentrations during this period was reported at 62.23 µg/m^3.

IA3 – The December 2018 BTEX concentration was reported at 11.01 µg/m^3. The total VOC concentrations during this period was reported at 78.71 µg/m^3.

IA4 – The December 2018 BTEX concentration was reported at 12.62 µg/m^3. The total VOC concentrations during this period was reported at 125.02 µg/m^3.

IA5 – The December 2018 BTEX concentration was reported at 12.49 µg/m^3. The total VOC concentrations during this period was reported at 246.97 µg/m^3.

IA6 – The December 2018 BTEX concentration was reported at 11.22 µg/m^3. The total VOC concentrations during this period was reported at 197.69 µg/m^3.

OA1 – The December 2018 BTEX concentration was reported at 39.48 µ g/m^3. The total VOC concentrations during this period was reported at 230.69 µg/m^3.

QUATERLY PID MEASUREMENTS

VE-1 – PID reading for this port was 1,230 ppb (1.23 ppm) with a vacuum of -14 iwc.

VE-2 – PID reading for this port was 1,500 ppb (1.50 ppm) with a vacuum of -15 iwc.

VE-3 – PID reading for this port was 2,110 ppb (2.11 ppm) with a vacuum of -15 iwc.

VE-4 – PID reading for this port was 720 ppb (.720 ppm) with a vacuum of -20 iwc.

PRE-CARBON – PID reading for this port was not taken this quarter; due to a field error. However an air sample with laboratory analysis was collected from this location and is discussed in the Annual Air Sample Results section.

POST-CARBON –PID reading for this port was 0 ppb (0.0 ppm).

FUTURE PLANS / RECOMMENDATIONS

The SVE system is currently operating at optimal conditions; modifications are not required at this time.

EBC recommends continued operation of the SVE system and continuing quarterly PID monitoring, annual groundwater sampling and annual air sampling (pre-carbon location, IA1, IA2, IA3, IA4, IA5, IA6 and OA1.

TABLES

1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870

TABLE 1
39-40 3th St.
Queens, NY
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	MW 3 12/13/2018 µg/L		MW 4 12/13/2018 µg/L		Duplicate 12/13/2018 µg/L		Trip Blank 12/13/2018 µg/L	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1-Trichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,1,2-Tetrachloroethane	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 1.0	1.0
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethene	5	0.59	1.0	0.39	1.0	0.43	1.0	< 1.0	1.0
1,1-Dichloropropene	5	< 1.0	1.0	< 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	< 1.0	1.0
1,2,3-Trichloropropane	0.04	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2,4-Trichlorobenzene		< 1.0	1.0	< 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	< 1.0	1.0	< 1.0	1.0
1,2-Dibromo-3-chloropropane	0.04	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
1,2-Dibromoethane	0.0006	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene		< 1.0	1.0	< 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	< 0.60	0.60
1,2-Dichloropropane	1	< 1.0	1.0	< 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	< 1.0	1.0
1,3-Dichlorobenzene	3	< 1.0	1.0	< 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	< 1.0	1.0
1,4-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-dioxane		< 100	100	< 200	200	< 100	100	< 100	100
2,2-Dichloropropane	5	< 1.0	1.0	< 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	< 1.0	1.0
2-Hexanone	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
2-Isopropyltoluene	5	0.56	1.0	< 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	< 1.0	1.0
4-Methyl-2-pentanone		< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Acetone	50	2.9	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acrolein	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acrylonitrile	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Benzene	1	< 0.70	0.70	< 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	< 1.0	1.0
Bromochloromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromodichloromethane	50	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromoform	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bromomethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Carbon tetrachloride	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	7	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloromethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	**230**	20	**420**	20	**390**	20	< 1.0	1.0
cis-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
Dibromochloromethane	50	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dibromomethane	5	< 1.0	1.0	< 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	< 1.0	1.0
Ethylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Hexachlorobutadiene	0.5	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	5	**1.4**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
m&p-Xylene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methyl ethyl ketone	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methylene chloride	5	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0
Naphthalene	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Propylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
o-Xylene	5	< 1.0	1.0	< 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	< 1.0	1.0
sec-Butylbenzene	5	3	1.0	0.39	1.0	0.4	1.0	< 1.0	1.0
Styrene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tert-butyl alcohol		< 50	50	< 100	100	< 50	50	< 50	50
tert-Butylbenzene	5	**2.6**	1.0	0.95	1.0	1	1.0	< 1.0	1.0
Tetrachloroethene	5	**82**	20	**100**	20	**85**	20	< 1.0	1.0
Tetrahydrofuran (THF)	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Toluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
trans-1,2-Dichloroethene	5	**5.4**	5.0	2.5	5.0	3.2	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Trichloroethene	5	**130**	20	**22**	1.0	**24**	1.0	< 1.0	1.0
Trichlorofluoromethane	5	< 1.0	1.0	< 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	< 1.0	1.0
Vinyl chloride	2	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Total VOCs		458.45		546.23		504.03		0	

TABLE 2
39-40 3th St.
Queens, NY
Indoor and Outdoor Air Samples - Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub-Slab Value ($\mu g/m^3$) [a]	NYSDOH Soil Outdoor Background Levels ($\mu g/m^3$) [b]	IA1 12/13/2018 ($\mu g/m3$)		IA2 12/13/2018 ($\mu g/m3$)		IA3 12/13/2018 ($\mu g/m3$)		IA4 12/13/2018 ($\mu g/m3$)		IA5 12/13/2018 ($\mu g/m3$)		IA6 12/13/2018 ($\mu g/m3$)		OA 12/13/2018 ($\mu g/m3$)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,1-Trichloroethane	100	<2.0 - 2.8	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2,2-Tetrachloroethane		<1.5	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2-Trichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethene		<1.0	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
1,2,4-Trichlorobenzene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2,4-Trimethylbenzene		<1.0	**1.2**	1.00	**1.11**	1.00	< 1.00	1.00	**1.18**	1.00	**1.2**	1.00	**1.14**	1.00	**6.14**	1.00
1,2-Dibromoethane		<1.5	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloropropane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorotetrafluoroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3,5-Trimethylbenzene		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**1.69**	1.00
1,3-Butadiene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3-Dichlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dichlorobenzene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dioxane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
2-Hexanone			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Ethyltoluene		NA	**1.16**	1.00	**1.13**	1.00	< 1.00	1.00	**1.19**	1.00	**1.09**	1.00	**1.07**	1.00	**5.21**	1.00
4-Isopropyltoluene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Methyl-2-pentanone			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**2.69**	1.00
Acetone		NA	**9.85**	1.00	**7.79**	1.00	**8.21**	1.00	**9.52**	1.00	**20.3**	1.00	**12.5**	1.00	**59.3**	1.00
Acrylonitrile			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Benzene		<1.6 - 4.7	**1.55**	1.00	**1.46**	1.00	**1.58**	1.00	**1.48**	1.00	**1.48**	1.00	**1.43**	1.00	**3.54**	1.00
Benzyl Chloride		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromodichloromethane		<5.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromoform		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromomethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Disulfide		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Tetrachloride	5	<3.1	**0.43**	0.20	**0.41**	0.20	**0.45**	0.20	**0.4**	0.20	**0.46**	0.20	**0.43**	0.20	**0.45**	0.20
Chlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroethane		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroform		<2.4	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloromethane		<1.0 - 1.4	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**1.39**	1.00	**1.06**	1.00	**1.13**	1.00
cis-1,2-Dichloroethene		<1.0	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
cis-1,3-Dichloropropene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Cyclohexane		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**1.55**	1.00
Dibromochloromethane		<5.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Dichlorodifluromethane		NA	**1.84**	1.00	**1.78**	1.00	**1.73**	1.00	**1.75**	1.00	**1.74**	1.00	**1.67**	1.00	**2.05**	1.00
Ethanol			**45**	1.00	**29**	1.00	**45.6**	1.00	**81.9**	1.00	**175**	1.00	**147**	1.00	**69.1**	1.00
Ethyl Acetate		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**2.41**	1.00
Ethylbenzene		<4.3	**1.05**	1.00	< 1.00	1.00	< 1.00	1.00	**1.02**	1.00	**1.01**	1.00	< 1.00	1.00	**3.35**	1.00
Heptane		NA	**1.05**	1.00	**1.02**	1.00	**1.11**	1.00	**1.2**	1.00	**1.18**	1.00	**1.14**	1.00	**4.14**	1.00
Hexachlorobutadiene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Hexane		<1.5	**1.77**	1.00	**1.7**	1.00	**2.01**	1.00	**1.86**	1.00	**1.42**	1.00	**1.57**	1.00	**4.68**	1.00
Isopropylalcohol		NA	**6.09**	1.00	**3.41**	1.00	**4.18**	1.00	**9.14**	1.00	**25.1**	1.00	**14.1**	1.00	**3.29**	1.00
Isopropylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Xylene (m&p)		<4.3	**3.48**	1.00	**3.43**	1.00	**3.29**	1.00	**3.33**	1.00	**3.48**	1.00	**3.51**	1.00	**10.7**	1.00
Methyl Ethyl Ketone			**1.64**	1.00	**1.16**	1.00	**1.31**	1.00	**1.34**	1.00	**1.77**	1.00	**1.41**	1.00	**10.8**	1.00
MTBE		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Methylene Chloride		<3.4	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00
n-Butylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Xylene (o)		<4.3	**1.15**	1.00	< 1.00	1.00	< 1.00	1.00	**1.03**	1.00	**1.02**	1.00	**1.12**	1.00	**4.69**	1.00
Propylene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
sec-Butylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Styrene		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**2.5**	1.00
Tetrachloroethene	30		**2.01**	0.25	**1.78**	0.25	**1.78**	0.25	**1.61**	0.25	**2.24**	0.25	**2.02**	0.25	**1.71**	0.25
Tetrahydrofuran		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**10.9**	1.00
Toluene		1.0 - 6.1	**5.54**	1.00	**5.76**	1.00	**6.14**	1.00	**5.76**	1.00	**5.5**	1.00	**5.16**	1.00	**17.2**	1.00
trans-1,2-Dichloroethene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
trans-1,3-Dichloropropene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Trichloroethene	2	<1.7	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
Trichlorofluoromethane		NA	**1.4**	1.00	**1.29**	1.00	**1.32**	1.00	**1.31**	1.00	**1.59**	1.00	**1.36**	1.00	**1.47**	1.00
Trichlorotrifluoroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Vinyl Chloride		<1.0	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
BTEX			**12.77**		**10.65**		**11.01**		**12.62**		**12.49**		**11.22**		**39.48**	
CVOCs			**5.25**		**4.85**		**4.83**		**4.67**		**6.96**		**6.11**		**6.36**	
Total VOCs			**86.21**		**62.23**		**78.71**		**125.02**		**246.97**		**197.69**		**230.69**	

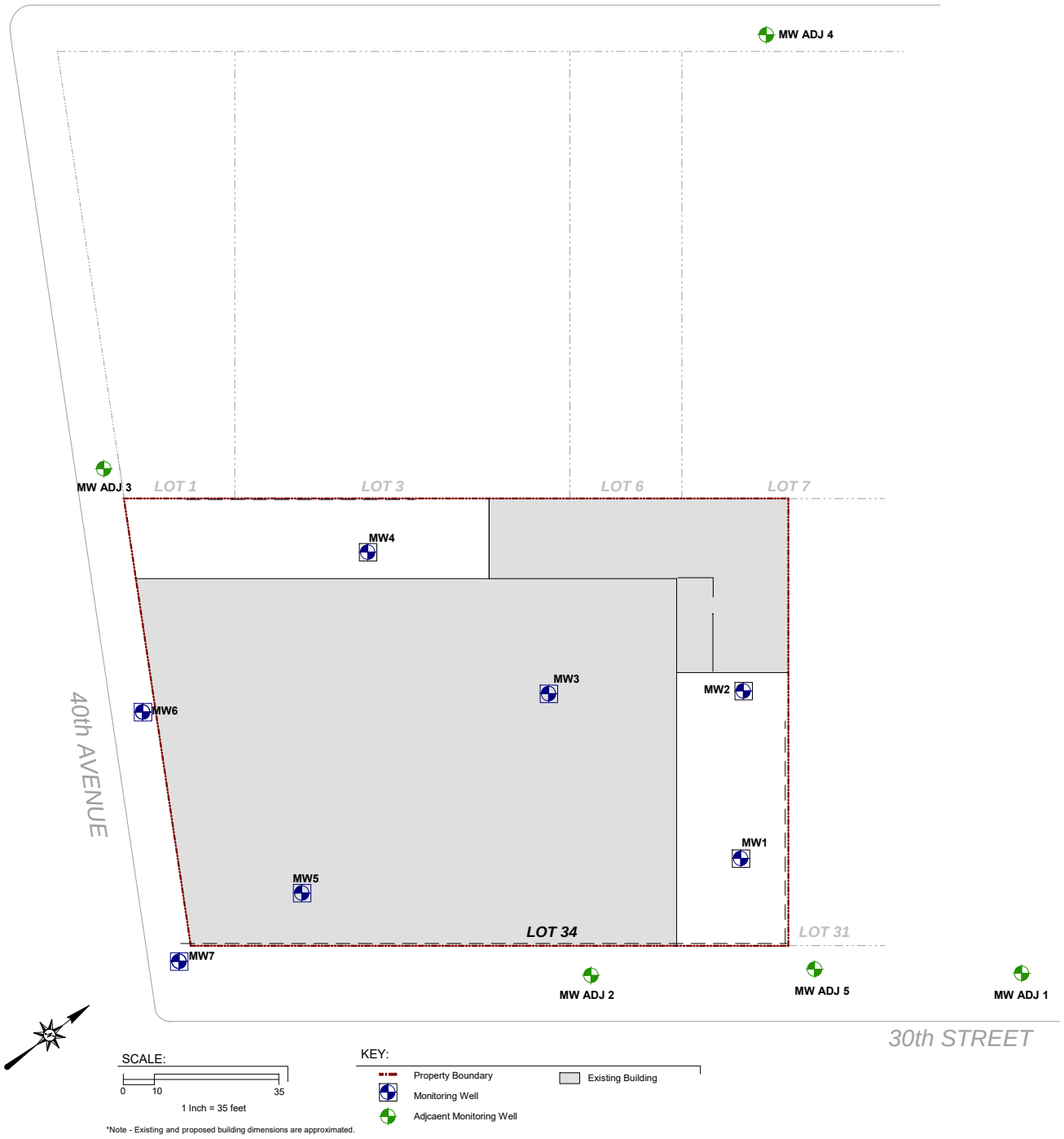
Notes:
NA No guidance value or standard available
(a) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October 2006. New York State Department of Health.
(b) NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005, Summary of Background Levels for Selected Compounds (NYSDOH Database, Outdoor values)

TABLE 3
39-40 3th St Queens, NY
Pre Carbon Air Sample- Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub-Slab Value ($\mu g/m^3$) [a]	NYSDOH Soil Outdoor Background Levels ($\mu g/m^3$) [b]	PRE CARBON 12/13/2018 Tedlar Bag ($\mu g/m3$) Result	RL
1,1,1,2-Tetrachloroethane			< 1.00	1.00
1,1,1-Trichloroethane	100	<2.0 - 2.8	< 1.00	1.00
1,1,2,2-Tetrachloroethane		<1.5	< 1.00	1.00
1,1,2-Trichloroethane		<1.0	< 1.00	1.00
1,1-Dichloroethane		<1.0	< 1.00	1.00
1,1-Dichloroethene		<1.0	< 1.00	1.00
1,2,4-Trichlorobenzene		NA	-	-
1,2,4-Trimethylbenzene		<1.0	**3.96**	1.00
1,2-Dibromoethane		<1.5	< 1.00	1.00
1,2-Dichlorobenzene		<2.0	-	-
1,2-Dichloroethane		<1.0	< 1.00	1.00
1,2-Dichloropropane			< 1.00	1.00
1,2-Dichlorotetrafluoroethane			< 1.00	1.00
1,3,5-Trimethylbenzene		<1.0	**1.04**	1.00
1,3-Butadiene		NA	< 1.00	1.00
1,3-Dichlorobenzene		<2.0	-	-
1,4-Dichlorobenzene		NA	-	-
1,4-Dioxane			< 1.00	1.00
2-Hexanone			< 1.00	1.00
4-Ethyltoluene		NA	**3.31**	1.00
4-Isopropyltoluene			< 1.00	1.00
4-Methyl-2-pentanone			< 1.00	1.00
Acetone		NA	**23.1**	1.00
Acrylonitrile			< 1.00	1.00
Benzene		<1.6 - 4.7	< 1.00	1.00
Benzyl Chloride		NA	-	-
Bromodichloromethane		<5.0	< 1.00	1.00
Bromoform		<1.0	< 1.00	1.00
Bromomethane		<1.0	< 1.00	1.00
Carbon Disulfide		NA	< 1.00	1.00
Carbon Tetrachloride	5	<3.1	**0.41**	0.25
Chlorobenzene		<2.0	< 1.00	1.00
Chloroethane		NA	< 1.00	1.00
Chloroform		<2.4	**1.83**	1.00
Chloromethane		<1.0 - 1.4	< 1.00	1.00
cis-1,2-Dichloroethene		<1.0	< 1.00	1.00
cis-1,3-Dichloropropene		NA	< 1.00	1.00
Cyclohexane		NA	< 1.00	1.00
Dibromochloromethane		<5.0	< 1.00	1.00
Dichlorodifluromethane		NA	**1.73**	1.00
Ethanol			**38.6**	1.00
Ethyl Acetate		NA	< 1.00	1.00
Ethylbenzene		<4.3	**1.92**	1.00
Heptane		NA	< 1.00	1.00
Hexachlorobutadiene		NA	< 1.00	1.00
Hexane		<1.5	< 1.00	1.00
Isopropylalcohol		NA	**4.03**	1.00
Isopropylbenzene			< 1.00	1.00
Xylene (m&p)		<4.3	**6.21**	1.00
Methyl Ethyl Ketone			**1.72**	1.00
MTBE		NA	< 1.00	1.00
Methylene Chloride		<3.4	**2.01**	1.00
n-Butylbenzene			< 1.00	1.00
Xylene (o)		<4.3	**2.39**	1.00
Propylene		NA	< 1.00	1.00
sec-Butylbenzene			< 1.00	1.00
Styrene		<1.0	-	-
Tetrachloroethene	30		**44.7**	0.25
Tetrahydrofuran		NA	**3.07**	1.00
Toluene		1.0 - 6.1	**7.53**	1.00
trans-1,2-Dichloroethene		NA	< 1.00	1.00
trans-1,3-Dichloropropene		NA	-	-
Trichloroethene	2	<1.7	**85.4**	0.25
Trichlorofluoromethane		NA	**1.65**	1.00
Trichlorotrifluoroethane			< 1.00	1.00
Vinyl Chloride		<1.0	< 0.25	0.25
BTEX			**18.05**	
CVOCs			**135.72**	
Total VOCs			**232.69**	

FIGURES

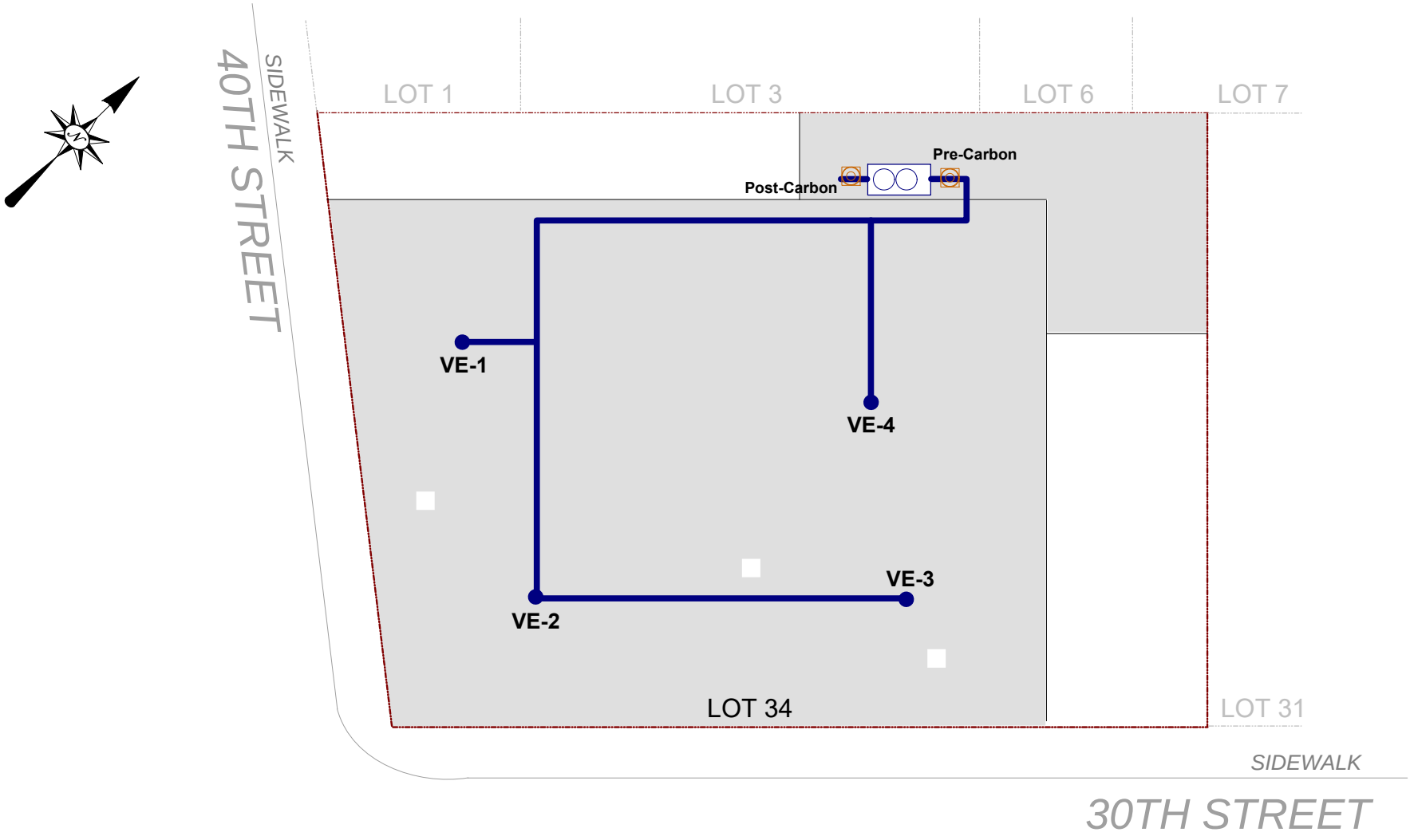
1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870



EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631. 924 .2870

Figure No. 1

Site Name: FORMER UNION WIRE DIE SITE
Site Address: 39-40 30TH STREET, LONG ISLAND CITY, NY
Drawing Title: GROUNDWATER SAMPLING LOCATIONS MAP



KEY:

Property Boundary

SCALE:

0 25 50

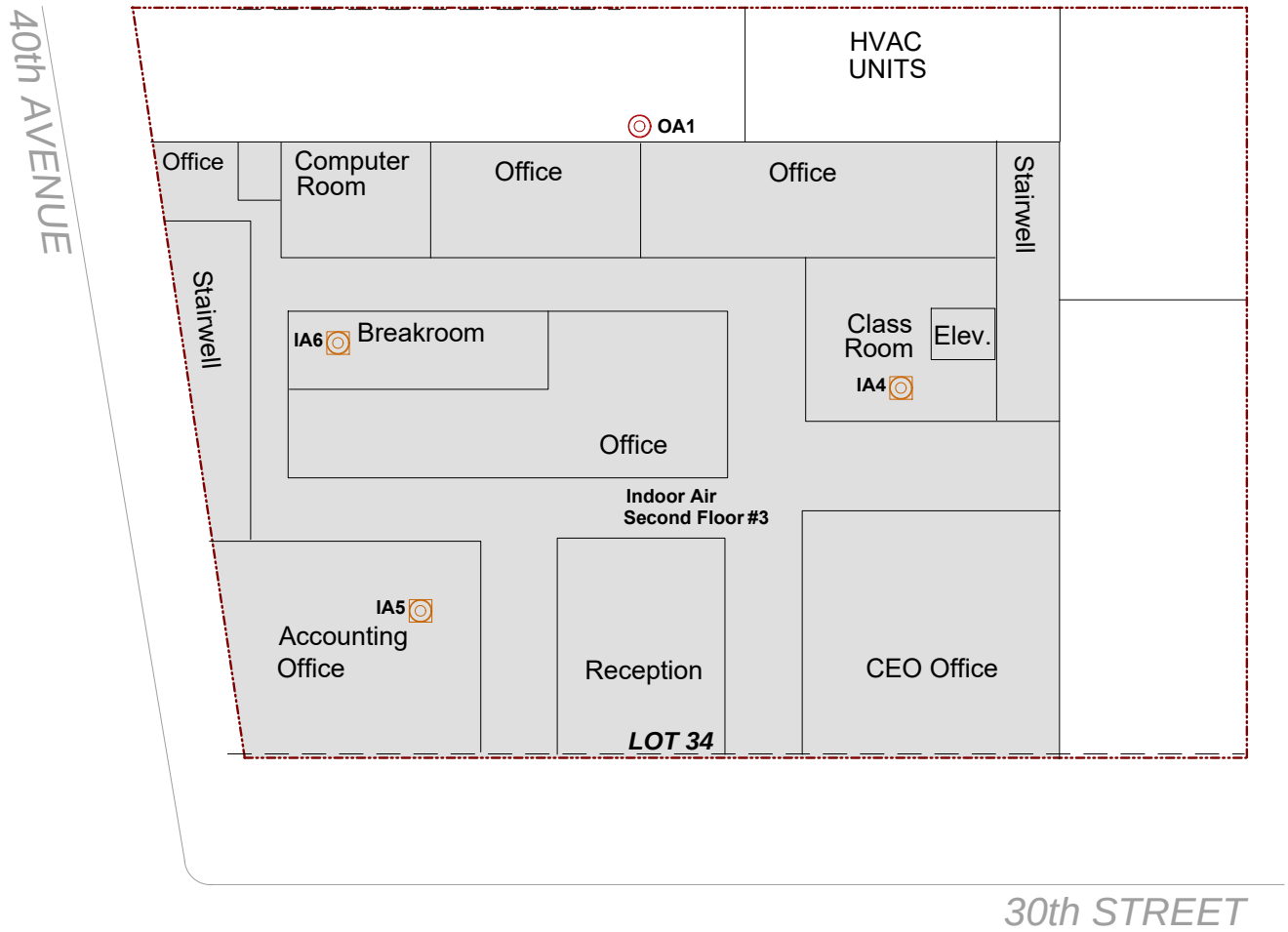
Scale: 1 inch = 25 feet

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631. 924 .2870

Figure 3

Site Name: REDEVELOPMENT PROJECT
Site Address: 39-40 30TH STREET, QUEENS, NY
Drawing Title: SVE SYSTEM SAMPLING LOCATIONS

Second Floor



KEY:

Property Boundary

Existing Building

IAx Indoor Air Sampling Location

OAx Outdoor Air Sampling Location

*Note - Existing building dimensions are approximated.

SCALE:

0 5 25

1 Inch = 25 feet

EBC

Environmental Business Consultants

1808 Middle Country Road. Ridge. NY 11961

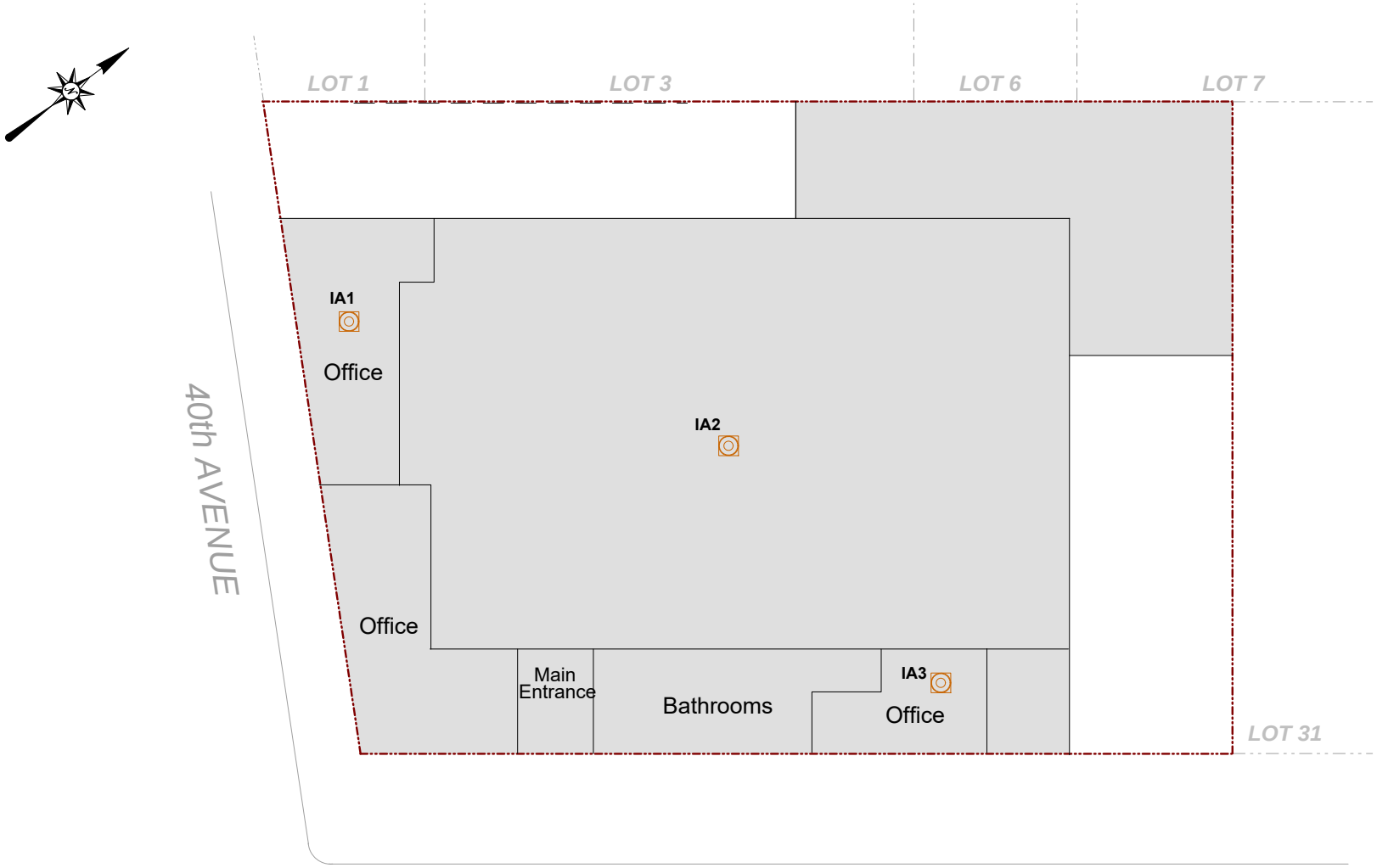
Phone 631.504.6000

Fax 631.924.2780

Former Union Wire Die Site

39-40 30th Street, Long Island City, NY

FIGURE 2B Second Floor Air Sampling Indoor/Outdoor Locations



SCALE:

0 5 25

1 Inch = 25 feet

*Note - Existing and proposed building dimensions are approximated.

KEY:

Property Boundary

Indoor Air Sampling Location

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Environmental Business Consultants
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Phone 631.504.6000
Fax 631.924.2780

FORMER UNION WIRE DIE SITE
39-40 30th Street, Long Island City, NY

FIGURE 2A

1st Floor
Indoor Air Sampling Locations

APPENDIX A

1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870

GROUNDWATER PURGE / SAMPLE LOGS

39-40 30th St, Queens

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW4

Date: 12-13-18

Well Depth (from TOC): 27.0'

Equipment: Peristaltic Pump
Horiba

Static Water Level (from TOC): 19.07'

Height of Water in Well: 7.93

Gallons of Water per Well Volume: 0.32

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	Temp. (deg. C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS	Comments
10:03		0.0	14.69	7.64	-125	.952	687			TURBID, BLACK
10:10		0.5	14.67	7.04	-55	1.32	255			LIGHT TURBIDITY
10:15		1.0	15.28	7.00	-37	1.33	200			"
10:20		1.5	15.66	6.94	-48	1.38	126			"
10:25		2.0	15.66	6.89	-33	1.39	28			CLEAR

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

39-40 30th St, Queens

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW3

Date: 12-13-18

Well Depth (from TOC): 19.70'

Equipment: Peristaltic Pump
Horiba

Static Water Level (from TOC): 16.50'

Height of Water in Well: 3.2

Gallons of Water per Well Volume: 0.13

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	Temp. (deg. C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS	Comments
11:45		0.0	16.24	7.59	4	0.492	314			LIGHT TURBIDITY
11:50		0.5	16.88	7.47	20	0.671	199			CLEAR
11:55		1.0	17.08	7.42	17	0.697	50			"
12:00		1.5	17.17	7.40	15	0.688	32			"
12:05		2.0	17.15	7.45	15	0.690	28			"

Note 400 ml = 0.11 gallons

APPENDIX B

1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870

PHOENIX
Environmental Laboratories, Inc.

Monday, December 24, 2018

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 39-40 30TH ST.
Sample ID#s: CC14932 - CC14935

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 have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

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
UT Lab Registration #CT00007
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

SDG Comments

December 24, 2018

SDG I.D.: GCC14932

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.

PHOENIX

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

December 24, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/13/18	12:05
Location Code:	EBC	Received by:	LB	12/14/18	17:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC14932
Phoenix ID: CC14932

Project ID: 39-40 30TH ST.
Client ID: MW 3

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,1,1-Trichloroethane	ND		5.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,1-Dichloroethane	ND		5.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,1-Dichloroethene	0.59	J	1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,2,3-Trichloropropane	ND		0.25	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,2,4-Trimethylbenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		0.50	0.50	ug/L	1	12/18/18	MH	SW8260C	
1,2-Dibromoethane	ND		0.25	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,2-Dichloroethane	ND		0.60	0.50	ug/L	1	12/18/18	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,3,5-Trimethylbenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	12/18/18	MH	SW8260C	
2-Isopropyltoluene	0.56	J	1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	12/18/18	MH	SW8260C	

Project ID: 39-40 30TH ST.
Client ID: MW 3

Phoenix I.D.: CC14932

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	2.9	JS	5.0	2.5	ug/L	1	12/18/18	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	12/18/18	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	12/18/18	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	12/18/18	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
cis-1,2-Dichloroethene	230		20	5.0	ug/L	20	12/18/18	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/18/18	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	12/18/18	MH	SW8260C	
Isopropylbenzene	1.4		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	12/18/18	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	12/18/18	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	12/18/18	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
sec-Butylbenzene	3.0		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
tert-Butylbenzene	2.6		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Tetrachloroethene	82		20	5.0	ug/L	20	12/18/18	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	12/18/18	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
trans-1,2-Dichloroethene	5.4		5.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/18/18	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	12/18/18	MH	SW8260C	
Trichloroethene	130		20	5.0	ug/L	20	12/18/18	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	99				%	1	12/18/18	MH	70 - 130 %	
% Bromofluorobenzene	98				%	1	12/18/18	MH	70 - 130 %	
% Dibromofluoromethane	95				%	1	12/18/18	MH	70 - 130 %	

Ver 1

Project ID: 39-40 30TH ST.
Client ID: MW 3

Phoenix I.D.: CC14932

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	107			%	1	12/18/18	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	12/18/18	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/18/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/18/18	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	12/18/18	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	12/18/18	MH	SW8260C

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

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

Comments:

Volatile Comment:
Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services.

Phyllis Shiller, Laboratory Director
December 24, 2018
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

December 24, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/13/18	10:25
Location Code:	EBC	Received by:	LB	12/14/18	17:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC14932
Phoenix ID: CC14933

Project ID: 39-40 30TH ST.
Client ID: MW 4

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
1,1,1-Trichloroethane	ND		5.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
1,1-Dichloroethane	ND		5.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
1,1-Dichloroethene	0.39	J	1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
1,2,3-Trichloropropane	ND		0.25	0.25	ug/L	1	12/18/18	PS	SW8260C	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
1,2,4-Trimethylbenzene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
1,2-Dibromo-3-chloropropane	ND		0.50	0.50	ug/L	1	12/18/18	PS	SW8260C	
1,2-Dibromoethane	ND		0.25	0.25	ug/L	1	12/18/18	PS	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
1,2-Dichloroethane	ND		0.60	0.50	ug/L	1	12/18/18	PS	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
1,3,5-Trimethylbenzene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	12/18/18	PS	SW8260C	
2-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	12/18/18	PS	SW8260C	

Project ID: 39-40 30TH ST.
Client ID: MW 4

Phoenix I.D.: CC14933

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	12/18/18	PS	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	12/18/18	PS	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	12/18/18	PS	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	12/18/18	PS	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
cis-1,2-Dichloroethene	420		20	5.0	ug/L	20	12/18/18	PS	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/18/18	PS	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	12/18/18	PS	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	12/18/18	PS	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	12/18/18	PS	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	12/18/18	PS	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
sec-Butylbenzene	0.39	J	1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
tert-Butylbenzene	0.95	J	1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Tetrachloroethene	100		20	5.0	ug/L	20	12/18/18	PS	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	12/18/18	PS	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
trans-1,2-Dichloroethene	2.5	J	5.0	0.50	ug/L	2	12/18/18	PS	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/18/18	PS	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	12/18/18	PS	SW8260C	
Trichloroethene	22		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	12/18/18	PS	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	99				%	1	12/18/18	PS	70 - 130 %	
% Bromofluorobenzene	97				%	1	12/18/18	PS	70 - 130 %	
% Dibromofluoromethane	98				%	1	12/18/18	PS	70 - 130 %	

Ver 1

Project ID: 39-40 30TH ST.
Client ID: MW 4

Phoenix I.D.: CC14933

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	1	12/18/18	PS	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	200	100	ug/l	2	12/18/18	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	2.0	0.50	ug/L	2	12/18/18	MH	SW8260C
Acrolein	ND	5.0	5.0	ug/L	2	12/18/18	MH	SW8260C
Acrylonitrile	ND	5.0	0.50	ug/L	2	12/18/18	MH	SW8260C
Tert-butyl alcohol	ND	100	20	ug/L	2	12/18/18	MH	SW8260C
Client MS/MSD	Completed					12/18/18		

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

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

Comments:

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

Volatile Comment:
Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

If there are any questions regarding this data, please call Phoenix Client Services.

Phyllis Shiller, Laboratory Director
December 24, 2018
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

December 24, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/13/18	
Location Code:	EBC	Received by:	LB	12/14/18	17:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC14932
Phoenix ID: CC14934

Project ID: 39-40 30TH ST.
Client ID: GW DUPLICATE

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,1,1-Trichloroethane	ND		5.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,1-Dichloroethane	ND		5.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,1-Dichloroethene	0.43	J	1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,2,3-Trichloropropane	ND		0.25	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,2,4-Trimethylbenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		0.50	0.50	ug/L	1	12/18/18	MH	SW8260C	
1,2-Dibromoethane	ND		0.25	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,2-Dichloroethane	ND		0.60	0.50	ug/L	1	12/18/18	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,3,5-Trimethylbenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	12/18/18	MH	SW8260C	
2-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	12/18/18	MH	SW8260C	

Project ID: 39-40 30TH ST.
Client ID: GW DUPLICATE

Phoenix I.D.: CC14934

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	12/18/18	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	12/18/18	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	12/18/18	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	12/18/18	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
cis-1,2-Dichloroethene	390		20	5.0	ug/L	20	12/18/18	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/18/18	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	12/18/18	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	12/18/18	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	12/18/18	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	12/18/18	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
sec-Butylbenzene	0.40	J	1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
tert-Butylbenzene	1.0		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Tetrachloroethene	85		20	5.0	ug/L	20	12/18/18	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	12/18/18	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
trans-1,2-Dichloroethene	3.2	J	5.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/18/18	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	12/18/18	MH	SW8260C	
Trichloroethene	24		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	12/18/18	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	98				%	1	12/18/18	MH	70 - 130 %	
% Bromofluorobenzene	97				%	1	12/18/18	MH	70 - 130 %	
% Dibromofluoromethane	97				%	1	12/18/18	MH	70 - 130 %	

Ver 1

Project ID: 39-40 30TH ST.
Client ID: GW DUPLICATE

Phoenix I.D.: CC14934

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100			%	1	12/18/18	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	12/18/18	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/18/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/18/18	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	12/18/18	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	12/18/18	MH	SW8260C

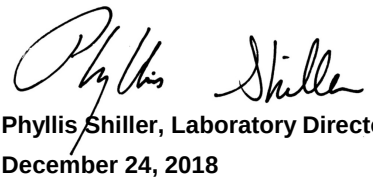
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

Volatile Comment:
Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

If there are any questions regarding this data, please call Phoenix Client Services.



Phyllis Shiller, Laboratory Director
December 24, 2018
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

December 24, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/13/18	
Location Code:	EBC	Received by:	LB	12/14/18	17:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC14932
Phoenix ID: CC14935

Project ID: 39-40 30TH ST.
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	12/17/18	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	12/17/18	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	12/17/18	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/17/18	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	12/17/18	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/17/18	MH	SW8260C	

Project ID: 39-40 30TH ST.
Client ID: TRIP BLANK

Phoenix I.D.: CC14935

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	5.0	2.5	ug/L	1	12/17/18	MH	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	12/17/18	MH	SW8260C	
Acrylonitrile	ND	5.0	2.5	ug/L	1	12/17/18	MH	SW8260C	
Benzene	ND	0.70	0.25	ug/L	1	12/17/18	MH	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Bromoform	ND	5.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Bromomethane	ND	5.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Chlorobenzene	ND	5.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Chloroethane	ND	5.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Chloroform	ND	5.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Chloromethane	ND	5.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/17/18	MH	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	12/17/18	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	12/17/18	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	12/17/18	MH	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	12/17/18	MH	SW8260C	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	12/17/18	MH	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/17/18	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	12/17/18	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	98			%	1	12/17/18	MH	70 - 130 %	
% Bromofluorobenzene	95			%	1	12/17/18	MH	70 - 130 %	
% Dibromofluoromethane	96			%	1	12/17/18	MH	70 - 130 %	

Ver 1

Project ID: 39-40 30TH ST.
Client ID: TRIP BLANK

Phoenix I.D.: CC14935

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	1	12/17/18	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	12/17/18	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/17/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/17/18	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	12/17/18	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	12/17/18	MH	SW8260C

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

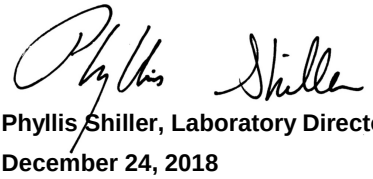
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis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

Comments:

TRIP BLANK INCLUDED.

Volatile Comment:
Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

If there are any questions regarding this data, please call Phoenix Client Services.



Phyllis Shiller, Laboratory Director
December 24, 2018
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Monday, December 24, 2018

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GCC14932 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CC14932	$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	82	20	5	5	ug/L
CC14932	$8260DP25R	trans-1,2-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	5.4	5.0	5	5	ug/L
CC14932	$8260DP25R	Trichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	130	20	5	5	ug/L
CC14932	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CC14932	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CC14932	$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	230	20	5	5	ug/L
CC14932	$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	82	20	5	5	ug/L
CC14932	$8260DP25R	trans-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	5.4	5.0	5	5	ug/L
CC14932	$8260DP25R	Trichloroethene	NY / TOGS - Water Quality / GA Criteria	130	20	5	5	ug/L
CC14932	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CC14933	$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	100	20	5	5	ug/L
CC14933	$8260DP25R	Trichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	22	1.0	5	5	ug/L
CC14933	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CC14933	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CC14933	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CC14933	$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	100	20	5	5	ug/L
CC14933	$8260DP25R	Trichloroethene	NY / TOGS - Water Quality / GA Criteria	22	1.0	5	5	ug/L
CC14933	$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	420	20	5	5	ug/L
CC14934	$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	85	20	5	5	ug/L
CC14934	$8260DP25R	Trichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	24	1.0	5	5	ug/L
CC14934	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CC14934	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CC14934	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CC14934	$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	390	20	5	5	ug/L
CC14934	$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	85	20	5	5	ug/L
CC14934	$8260DP25R	Trichloroethene	NY / TOGS - Water Quality / GA Criteria	24	1.0	5	5	ug/L
CC14935	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CC14935	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CC14935	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

December 24, 2018

SDG I.D.: GCC14932

The samples in this delivery group were received at 4.1°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes ☑ No ☐
Coolant: IPK ☐ ICE ☑ No ☐
Temp 4.1°C Pg 1 of 1

NY/NJ CHAIN OF CUSTODY RECORD

PHOENIX *Environmental Laboratories, Inc.*

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

Contact Options:
☐ Fax:
☐ Phone: 631-504-6000
☒ Email: File

Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, NY 11961

Project: 39-40 30th ST, Queens
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants
Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: TONY BALADO Date: 12-13-18

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	VOCs 8260	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
14932	MW3	GW	12-13-18	12:05	X				3						
14933	MW4	GW	12-13-18	10:25	X				9						
14934	GW Duplicate	GW	12-13-18	—	X				3						
14935	TRIP BLANKS	GW	12-13-18	—	X				2						

Relinquished by:	Accepted by:	Date:	Time:
		12-14-18	12:54
		12-14-18	17:00

Comments, Special Requirements or Regulations:

MS/MSD on MW4 please

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

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

NY
☒ NY 375 GWP
☐ NY375 Unrestricted Use Soil
☐ NY375 Residential Soil
☐ Restricted/Residential
☐ Commercial
☐ Industrial

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

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

State where samples were collected: NY

APPENDIX C

1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870

PHOENIX
Environmental Laboratories, Inc.

Tuesday, December 18, 2018

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 39-40 30TH ST., QUEENS
Sample ID#s: CC14931

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 have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

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
UT Lab Registration #CT00007
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

SDG Comments

December 18, 2018

SDG I.D.: GCC14931

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 18, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	TEDLAR BAG	Collected by:	TB	12/13/18	13:30
Location Code:	EBC	Received by:	LB	12/14/18	17:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC14931
Phoenix ID: CC14931

Project ID: 39-40 30TH ST., QUEENS
Client ID: PRE CARBON

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/15/18	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/15/18	KCA	1	1
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/15/18	KCA	1	1
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/15/18	KCA	1	1
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/15/18	KCA	1	1
1,1-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	12/15/18	KCA	1	1
1,2,4-Trimethylbenzene	0.807	*0.204*	0.204	3.96	*1.00*	1.00	12/15/18	KCA	1	1
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	12/15/18	KCA	1	1
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/15/18	KCA	1	1
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	12/15/18	KCA	1	1
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	12/15/18	KCA	1	1
1,3,5-Trimethylbenzene	0.211	*0.204*	0.204	1.04	*1.00*	1.00	12/15/18	KCA	1	1
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	12/15/18	KCA	1	1
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	12/15/18	KCA	1	1
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/15/18	KCA	1	1
4-Ethyltoluene	0.673	*0.204*	0.204	3.31	*1.00*	1.00	12/15/18	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	12/15/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/15/18	KCA	1	1
Acetone	9.74	*0.421*	0.421	23.1	*1.00*	1.00	12/15/18	KCA	1	1
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	12/15/18	KCA	1	1
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	12/15/18	KCA	1	1
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	12/15/18	KCA	1	1
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	12/15/18	KCA	1	1
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	12/15/18	KCA	1	1
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	12/15/18	KCA	1	1
Carbon Tetrachloride	0.066	*0.040*	0.040	0.41	*0.25*	0.25	12/15/18	KCA	1	1

Ver 1

Project ID: 39-40 30TH ST., QUEENS
Client ID: PRE CARBON

Phoenix I.D.: CC14931

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	12/15/18	KCA	1	1
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	12/15/18	KCA	1	1
Chloroform	0.376		*0.205*	0.205	1.83	*1.00*	1.00	12/15/18	KCA	1	1
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	12/15/18	KCA	1	1
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/15/18	KCA	1	1
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/18	KCA	1	1
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	12/15/18	KCA	1	1
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	12/15/18	KCA	1	1
Dichlorodifluoromethane	0.351		*0.202*	0.202	1.73	*1.00*	1.00	12/15/18	KCA	1	1
Ethanol	20.5		*0.531*	0.531	38.6	*1.00*	1.00	12/15/18	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/18	KCA	1	1
Ethylbenzene	0.442		*0.230*	0.230	1.92	*1.00*	1.00	12/15/18	KCA	1	1
Heptane	ND		*0.244*	0.244	ND	*1.00*	1.00	12/15/18	KCA	1	1
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	12/15/18	KCA	1	1
Hexane	ND		*0.284*	0.284	ND	*1.00*	1.00	12/15/18	KCA	1	1
Isopropylalcohol	1.64		*0.407*	0.407	4.03	*1.00*	1.00	12/15/18	KCA	1	1
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/18	KCA	1	1
m,p-Xylene	1.43		*0.230*	0.230	6.21	*1.00*	1.00	12/15/18	KCA	1	1
Methyl Ethyl Ketone	0.582		*0.339*	0.339	1.72	*1.00*	1.00	12/15/18	KCA	1	1
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/18	KCA	1	1
Methylene Chloride	0.578	S	*0.288*	0.288	2.01	*1.00*	1.00	12/15/18	KCA	1	1
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/18	KCA	1	1
o-Xylene	0.551		*0.230*	0.230	2.39	*1.00*	1.00	12/15/18	KCA	1	1
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	12/15/18	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/18	KCA	1	1
Tetrachloroethene	6.60		*0.037*	0.037	44.7	*0.25*	0.25	12/15/18	KCA	1	1
Tetrahydrofuran	1.04		*0.339*	0.339	3.07	*1.00*	1.00	12/15/18	KCA	1	1
Toluene	2.00		*0.266*	0.266	7.53	*1.00*	1.00	12/15/18	KCA	1	1
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/15/18	KCA	1	1
Trichloroethene	15.9		*0.047*	0.047	85.4	*0.25*	0.25	12/15/18	KCA	1	1
Trichlorofluoromethane	0.294		*0.178*	0.178	1.65	*1.00*	1.00	12/15/18	KCA	1	1
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	12/15/18	KCA	1	1
Vinyl Chloride	ND		*0.098*	0.098	ND	*0.25*	0.25	12/15/18	KCA	1	1
QA/QC Surrogates											
% Bromofluorobenzene	95		*%*	%	95	*%*	%	12/15/18	KCA	1	

Project ID: 39-40 30TH ST., QUEENS
Client ID: PRE CARBON

Phoenix I.D.: CC14931

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

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

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

Comments:

This sample was collected using a Tedlar airbag, possible low bias.
1 = not certified by NY NELAC. NY NELAC does not offer certification for samples received in Tedlar bags for EPA TO-15
The specified sampling device for EPA TO15 is a summa canister.

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services.

Phyllis Shiller, Laboratory Director
December 18, 2018
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Tuesday, December 18, 2018

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCC14931 - EBC

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

NY Temperature Narration

December 18, 2018

SDG I.D.: GCC14931

Temperature narration is not applicable for Air matrices.

Cooler: Yes ☑ No ☐
Coolant: IPK ☑ ICE ☐ No ☐
Temp 4.1 °C Pg 1 of 1

NY/NJ CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

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

Contact Options:
☐ Fax:
☐ Phone: 631-504-6000
☒ Email: File

Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, NY 11961

Project: 39-40 30th St. Queens
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: TONY BALADO Date: 12-13-18

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	TO-13	TEDLAR BAG
14931	PRE-CARBON	Air	12-13-18	13:30	X	X

Bottle Quantities: Soil VOA Vials [ ] | methanol [ ] | H2O | GL Soil container ( ) oz | GL Soil container ( ) oz | 40 ml VOA Vial [ ] | As is [ ] | HCl | GL Amber 1000ml [ ] | As is [ ] | H2SO4 | PL As is [ ] 250ml [ ] | 500ml [ ] | 1000ml | PL H2SO4 [ ] 250ml [ ] | 500ml | PL HNO3 250ml | PL NaOH 250ml | Bacteria Bottle

Relinquished by:	Accepted by:	Date:	Time:
		12-14-18	12:15
		12-14-18	17:00

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

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

NY
☐ NY 375 GWP
☐ NY375 Unrestricted Use Soil
☐ NY375 Residential Soil
☐ Restricted/Residential
☐ Commercial
☐ Industrial

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

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

State where samples were collected: NY

Sarah Bell

From: Chawinie Reilly <creilly@ebcincny.com>
Sent: Tuesday, December 18, 2018 11:14 AM
To: kwaters@ebcincny.com; Sarah Bell; kbrussee@ebcincny.com
Subject: RE: TO-15 GCC14931

lol never mind; i just saw it; yes TO 15 on these; thanks !

> On December 18, 2018 at 11:13 AM Chawinie Reilly <creilly@ebcincny.com> wrote:
>
> Hi Sarah,
>
> Whats the address on this one ?
>
> Chawinie
>
> > On December 18, 2018 at 10:45 AM kwaters@ebcincny.com wrote:
> >
> > CR this is your job I believe. Just double checking on analysis please let Sarah know.
> >
> > -----Original Message-----
> > From: Sarah Bell < sarah@phoenixlabs.com>
> > Sent: Tuesday, December 18, 2018 10:45 AM
> > To: 'kbrussee@ebcincny.com' < kbrussee@ebcincny.com>
> > Cc: kwaters@ebcincny.com; Sarah Bell < sarah@phoenixlabs.com>
> > Subject: TO-15 GCC14931
> > Importance: High
> >
> > Kevin or Kevin
> > Looks like TO-13 was written on the COC for analysis, we are assuming Tony means TO-15? Can you confirm please.
> > Thanks
> > Sarah

PHOENIX
Environmental Laboratories, Inc.

Tuesday, December 18, 2018

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 39-40 30 TH ST., QUEENS
Sample ID#s: CC14921 - CC14927

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 have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

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
UT Lab Registration #CT00007
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

SDG Comments

December 18, 2018

SDG I.D.: GCC14921

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.

PHOENIX

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

December 18, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	TB	12/13/18	16:50
Location Code:	EBC	Received by:	LB	12/14/18	17:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28584				

Laboratory Data

SDG ID: GCC14921
Phoenix ID: CC14921

Project ID: 39-40 30 TH ST., QUEENS
Client ID: IA3

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	12/14/18	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	12/14/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	12/14/18	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	12/14/18	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	12/14/18	KCA	1	
1,1-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/14/18	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	12/14/18	KCA	1	
1,2,4-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/14/18	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	12/14/18	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	12/14/18	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	12/14/18	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	12/14/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND		*0.143*	0.143	ND	*1.00*	1.00	12/14/18	KCA	1	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/14/18	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	12/14/18	KCA	1	
1,3-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	12/14/18	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	12/14/18	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	12/14/18	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	12/14/18	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/14/18	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/14/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	12/14/18	KCA	1	
Acetone	3.46	S	*0.421*	0.421	8.21	*1.00*	1.00	12/14/18	KCA	1	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	12/14/18	KCA	1	
Benzene	0.494		*0.313*	0.313	1.58	*1.00*	1.00	12/14/18	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	12/14/18	KCA	1	

Project ID: 39-40 30 TH ST., QUEENS

Phoenix I.D.: CC14921

Client ID: IA3

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	12/14/18	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	12/14/18	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	12/14/18	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	12/14/18	KCA	1	
Carbon Tetrachloride	0.071		*0.032*	0.032	0.45	*0.20*	0.20	12/14/18	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	12/14/18	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	12/14/18	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	12/14/18	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	12/14/18	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/14/18	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/14/18	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	12/14/18	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	12/14/18	KCA	1	
Dichlorodifluoromethane	0.351		*0.202*	0.202	1.73	*1.00*	1.00	12/14/18	KCA	1	
Ethanol	24.2		*0.531*	0.531	45.6	*1.00*	1.00	12/14/18	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	12/14/18	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND	*1.00*	1.00	12/14/18	KCA	1	
Heptane	0.270		*0.244*	0.244	1.11	*1.00*	1.00	12/14/18	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	12/14/18	KCA	1	
Hexane	0.570	S	*0.284*	0.284	2.01	*1.00*	1.00	12/14/18	KCA	1	
Isopropylalcohol	1.70		*0.407*	0.407	4.18	*1.00*	1.00	12/14/18	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/14/18	KCA	1	
m,p-Xylene	0.757		*0.230*	0.230	3.29	*1.00*	1.00	12/14/18	KCA	1	
Methyl Ethyl Ketone	0.444		*0.339*	0.339	1.31	*1.00*	1.00	12/14/18	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	12/14/18	KCA	1	
Methylene Chloride	ND		*0.864*	0.864	ND	*3.00*	3.00	12/14/18	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/14/18	KCA	1	1
o-Xylene	ND		*0.230*	0.230	ND	*1.00*	1.00	12/14/18	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	12/14/18	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/14/18	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	12/14/18	KCA	1	
Tetrachloroethene	0.263		*0.037*	0.037	1.78	*0.25*	0.25	12/14/18	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	12/14/18	KCA	1	1
Toluene	1.63		*0.266*	0.266	6.14	*1.00*	1.00	12/14/18	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/14/18	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/14/18	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	12/14/18	KCA	1	
Trichlorofluoromethane	0.235		*0.178*	0.178	1.32	*1.00*	1.00	12/14/18	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	12/14/18	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	12/14/18	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	95		*%*	%	95	*%*	%	12/14/18	KCA	1	

Ver 1

Project ID: 39-40 30 TH ST., QUEENS
Client ID: IA3

Phoenix I.D.: CC14921

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (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 there are any questions regarding this data, please call Phoenix Client Services.
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Phyllis Shiller, Laboratory Director

December 18, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

December 18, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	TB	12/13/18	16:13
Location Code:	EBC	Received by:	LB	12/14/18	17:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	21341				

Laboratory Data

SDG ID: GCC14921
Phoenix ID: CC14922

Project ID: 39-40 30 TH ST., QUEENS
Client ID: IA1

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	12/14/18	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	12/14/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	12/14/18	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	12/14/18	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	12/14/18	KCA	1	
1,1-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/14/18	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	12/14/18	KCA	1	
1,2,4-Trimethylbenzene	0.244		*0.204*	0.204	1.20	*1.00*	1.00	12/14/18	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	12/14/18	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	12/14/18	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	12/14/18	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	12/14/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND		*0.143*	0.143	ND	*1.00*	1.00	12/14/18	KCA	1	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/14/18	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	12/14/18	KCA	1	
1,3-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	12/14/18	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	12/14/18	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	12/14/18	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	12/14/18	KCA	1	1
4-Ethyltoluene	0.236		*0.204*	0.204	1.16	*1.00*	1.00	12/14/18	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/14/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	12/14/18	KCA	1	
Acetone	4.15	S	*0.421*	0.421	9.9	*1.00*	1.00	12/14/18	KCA	1	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	12/14/18	KCA	1	
Benzene	0.487		*0.313*	0.313	1.55	*1.00*	1.00	12/14/18	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	12/14/18	KCA	1	

Project ID: 39-40 30 TH ST., QUEENS

Phoenix I.D.: CC14922

Client ID: IA1

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	12/14/18	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	12/14/18	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	12/14/18	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	12/14/18	KCA	1	
Carbon Tetrachloride	0.068		*0.032*	0.032	0.43	*0.20*	0.20	12/14/18	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	12/14/18	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	12/14/18	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	12/14/18	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	12/14/18	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/14/18	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/14/18	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	12/14/18	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	12/14/18	KCA	1	
Dichlorodifluoromethane	0.372		*0.202*	0.202	1.84	*1.00*	1.00	12/14/18	KCA	1	
Ethanol	23.9		*0.531*	0.531	45.0	*1.00*	1.00	12/14/18	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	12/14/18	KCA	1	1
Ethylbenzene	0.243		*0.230*	0.230	1.05	*1.00*	1.00	12/14/18	KCA	1	
Heptane	0.256		*0.244*	0.244	1.05	*1.00*	1.00	12/14/18	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	12/14/18	KCA	1	
Hexane	0.502	S	*0.284*	0.284	1.77	*1.00*	1.00	12/14/18	KCA	1	
Isopropylalcohol	2.48		*0.407*	0.407	6.09	*1.00*	1.00	12/14/18	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/14/18	KCA	1	
m,p-Xylene	0.803		*0.230*	0.230	3.48	*1.00*	1.00	12/14/18	KCA	1	
Methyl Ethyl Ketone	0.556		*0.339*	0.339	1.64	*1.00*	1.00	12/14/18	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	12/14/18	KCA	1	
Methylene Chloride	ND		*0.864*	0.864	ND	*3.00*	3.00	12/14/18	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/14/18	KCA	1	1
o-Xylene	0.266		*0.230*	0.230	1.15	*1.00*	1.00	12/14/18	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	12/14/18	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/14/18	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	12/14/18	KCA	1	
Tetrachloroethene	0.296		*0.037*	0.037	2.01	*0.25*	0.25	12/14/18	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	12/14/18	KCA	1	1
Toluene	1.47		*0.266*	0.266	5.54	*1.00*	1.00	12/14/18	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/14/18	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/14/18	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	12/14/18	KCA	1	
Trichlorofluoromethane	0.249		*0.178*	0.178	1.40	*1.00*	1.00	12/14/18	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	12/14/18	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	12/14/18	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	94		*%*	%	94	*%*	%	12/14/18	KCA	1	

Ver 1

Project ID: 39-40 30 TH ST., QUEENS
Client ID: IA1

Phoenix I.D.: CC14922

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (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 there are any questions regarding this data, please call Phoenix Client Services.
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Phyllis Shiller, Laboratory Director

December 18, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

December 18, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	TB	12/13/18	16:49
Location Code:	EBC	Received by:	LB	12/14/18	17:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	462				

Laboratory Data

SDG ID: GCC14921
Phoenix ID: CC14923

Project ID: 39-40 30 TH ST., QUEENS
Client ID: IA2

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	12/14/18	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	12/14/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	12/14/18	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	12/14/18	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	12/14/18	KCA	1	
1,1-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/14/18	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	12/14/18	KCA	1	
1,2,4-Trimethylbenzene	0.225		*0.204*	0.204	1.11	*1.00*	1.00	12/14/18	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	12/14/18	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	12/14/18	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	12/14/18	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	12/14/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND		*0.143*	0.143	ND	*1.00*	1.00	12/14/18	KCA	1	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/14/18	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	12/14/18	KCA	1	
1,3-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	12/14/18	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	12/14/18	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	12/14/18	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	12/14/18	KCA	1	1
4-Ethyltoluene	0.229		*0.204*	0.204	1.13	*1.00*	1.00	12/14/18	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/14/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	12/14/18	KCA	1	
Acetone	3.28	S	*0.421*	0.421	7.79	*1.00*	1.00	12/14/18	KCA	1	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	12/14/18	KCA	1	
Benzene	0.457		*0.313*	0.313	1.46	*1.00*	1.00	12/14/18	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	12/14/18	KCA	1	

Project ID: 39-40 30 TH ST., QUEENS
Client ID: IA2

Phoenix I.D.: CC14923

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	12/14/18	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	12/14/18	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	12/14/18	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	12/14/18	KCA	1	
Carbon Tetrachloride	0.066		*0.032*	0.032	0.41	*0.20*	0.20	12/14/18	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	12/14/18	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	12/14/18	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	12/14/18	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	12/14/18	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/14/18	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/14/18	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	12/14/18	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	12/14/18	KCA	1	
Dichlorodifluoromethane	0.361		*0.202*	0.202	1.78	*1.00*	1.00	12/14/18	KCA	1	
Ethanol	15.4		*0.531*	0.531	29.0	*1.00*	1.00	12/14/18	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	12/14/18	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND	*1.00*	1.00	12/14/18	KCA	1	
Heptane	0.249		*0.244*	0.244	1.02	*1.00*	1.00	12/14/18	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	12/14/18	KCA	1	
Hexane	0.482	S	*0.284*	0.284	1.70	*1.00*	1.00	12/14/18	KCA	1	
Isopropylalcohol	1.39		*0.407*	0.407	3.41	*1.00*	1.00	12/14/18	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/14/18	KCA	1	
m,p-Xylene	0.790		*0.230*	0.230	3.43	*1.00*	1.00	12/14/18	KCA	1	
Methyl Ethyl Ketone	0.393		*0.339*	0.339	1.16	*1.00*	1.00	12/14/18	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	12/14/18	KCA	1	
Methylene Chloride	ND		*0.864*	0.864	ND	*3.00*	3.00	12/14/18	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/14/18	KCA	1	1
o-Xylene	ND		*0.230*	0.230	ND	*1.00*	1.00	12/14/18	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	12/14/18	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/14/18	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	12/14/18	KCA	1	
Tetrachloroethene	0.263		*0.037*	0.037	1.78	*0.25*	0.25	12/14/18	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	12/14/18	KCA	1	1
Toluene	1.53		*0.266*	0.266	5.76	*1.00*	1.00	12/14/18	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/14/18	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/14/18	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	12/14/18	KCA	1	
Trichlorofluoromethane	0.230		*0.178*	0.178	1.29	*1.00*	1.00	12/14/18	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	12/14/18	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	12/14/18	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	95		*%*	%	95	*%*	%	12/14/18	KCA	1	

Ver 1

Project ID: 39-40 30 TH ST., QUEENS
Client ID: IA2

Phoenix I.D.: CC14923

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (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 there are any questions regarding this data, please call Phoenix Client Services.
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Phyllis Shiller, Laboratory Director

December 18, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

December 18, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	TB	12/13/18	17:15
Location Code:	EBC	Received by:	LB	12/14/18	17:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28578				

Laboratory Data

SDG ID: GCC14921
Phoenix ID: CC14924

Project ID: 39-40 30 TH ST., QUEENS
Client ID: OA

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/15/18	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/15/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/15/18	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/15/18	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/15/18	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	12/15/18	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	12/15/18	KCA	1	
1,2,4-Trimethylbenzene	1.25	*0.204*	0.204	6.14	*1.00*	1.00	12/15/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	12/15/18	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/18	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/15/18	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	12/15/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	12/15/18	KCA	1	
1,3,5-Trimethylbenzene	0.344	*0.204*	0.204	1.69	*1.00*	1.00	12/15/18	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	12/15/18	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/18	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/18	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	12/15/18	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/15/18	KCA	1	1
4-Ethyltoluene	1.06	*0.204*	0.204	5.21	*1.00*	1.00	12/15/18	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	12/15/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.658	*0.244*	0.244	2.69	*1.00*	1.00	12/15/18	KCA	1	
Acetone	25.0	*0.421*	0.421	59.3	*1.00*	1.00	12/15/18	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	12/15/18	KCA	1	
Benzene	1.11	*0.313*	0.313	3.54	*1.00*	1.00	12/15/18	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	12/15/18	KCA	1	

Project ID: 39-40 30 TH ST., QUEENS
Client ID: OA

Phoenix I.D.: CC14924

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	12/15/18	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	12/15/18	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	12/15/18	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	12/15/18	KCA	1	
Carbon Tetrachloride	0.071		*0.032*	0.032	0.45	*0.20*	0.20	12/15/18	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	12/15/18	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	12/15/18	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	12/15/18	KCA	1	
Chloromethane	0.546		*0.485*	0.485	1.13	*1.00*	1.00	12/15/18	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/15/18	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/18	KCA	1	
Cyclohexane	0.451		*0.291*	0.291	1.55	*1.00*	1.00	12/15/18	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	12/15/18	KCA	1	
Dichlorodifluoromethane	0.415		*0.202*	0.202	2.05	*1.00*	1.00	12/15/18	KCA	1	
Ethanol	36.7		*0.531*	0.531	69.1	*1.00*	1.00	12/15/18	KCA	1	1
Ethyl acetate	0.670		*0.278*	0.278	2.41	*1.00*	1.00	12/15/18	KCA	1	1
Ethylbenzene	0.771		*0.230*	0.230	3.35	*1.00*	1.00	12/15/18	KCA	1	
Heptane	1.01		*0.244*	0.244	4.14	*1.00*	1.00	12/15/18	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	12/15/18	KCA	1	
Hexane	1.33	S	*0.284*	0.284	4.68	*1.00*	1.00	12/15/18	KCA	1	
Isopropylalcohol	1.34		*0.407*	0.407	3.29	*1.00*	1.00	12/15/18	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/18	KCA	1	
m,p-Xylene	2.47		*0.230*	0.230	10.7	*1.00*	1.00	12/15/18	KCA	1	
Methyl Ethyl Ketone	3.68		*0.339*	0.339	10.8	*1.00*	1.00	12/15/18	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/18	KCA	1	
Methylene Chloride	ND		*0.864*	0.864	ND	*3.00*	3.00	12/15/18	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/18	KCA	1	1
o-Xylene	1.08		*0.230*	0.230	4.69	*1.00*	1.00	12/15/18	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	12/15/18	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/18	KCA	1	1
Styrene	0.588		*0.235*	0.235	2.50	*1.00*	1.00	12/15/18	KCA	1	
Tetrachloroethene	0.252		*0.037*	0.037	1.71	*0.25*	0.25	12/15/18	KCA	1	
Tetrahydrofuran	3.69		*0.339*	0.339	10.9	*1.00*	1.00	12/15/18	KCA	1	1
Toluene	4.56		*0.266*	0.266	17.2	*1.00*	1.00	12/15/18	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/15/18	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/18	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	12/15/18	KCA	1	
Trichlorofluoromethane	0.261		*0.178*	0.178	1.47	*1.00*	1.00	12/15/18	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	12/15/18	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	12/15/18	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	97		*%*	%	97	*%*	%	12/15/18	KCA	1	

Project ID: 39-40 30 TH ST., QUEENS
Client ID: OA

Phoenix I.D.: CC14924

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (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 there are any questions regarding this data, please call Phoenix Client Services.
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Phyllis Shiller, Laboratory Director

December 18, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

December 18, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	TB	12/13/18	16:57
Location Code:	EBC	Received by:	LB	12/14/18	17:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28606				

Laboratory Data

SDG ID: GCC14921
Phoenix ID: CC14925

Project ID: 39-40 30 TH ST., QUEENS
Client ID: IA6

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/15/18	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/15/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/15/18	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/15/18	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/15/18	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	12/15/18	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	12/15/18	KCA	1	
1,2,4-Trimethylbenzene	0.233	*0.204*	0.204	1.14	*1.00*	1.00	12/15/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	12/15/18	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/18	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/15/18	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	12/15/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	12/15/18	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/15/18	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	12/15/18	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/18	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/18	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	12/15/18	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/15/18	KCA	1	1
4-Ethyltoluene	0.218	*0.204*	0.204	1.07	*1.00*	1.00	12/15/18	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	12/15/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/15/18	KCA	1	
Acetone	5.27	*0.421*	0.421	12.5	*1.00*	1.00	12/15/18	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	12/15/18	KCA	1	
Benzene	0.448	*0.313*	0.313	1.43	*1.00*	1.00	12/15/18	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	12/15/18	KCA	1	

Project ID: 39-40 30 TH ST., QUEENS
Client ID: IA6

Phoenix I.D.: CC14925

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	12/15/18	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	12/15/18	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	12/15/18	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	12/15/18	KCA	1	
Carbon Tetrachloride	0.068		*0.032*	0.032	0.43	*0.20*	0.20	12/15/18	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	12/15/18	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	12/15/18	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	12/15/18	KCA	1	
Chloromethane	0.516		*0.485*	0.485	1.06	*1.00*	1.00	12/15/18	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/15/18	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/18	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	12/15/18	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	12/15/18	KCA	1	
Dichlorodifluoromethane	0.338		*0.202*	0.202	1.67	*1.00*	1.00	12/15/18	KCA	1	
Ethanol	78.3	E	*0.531*	0.531	147	*1.00*	1.00	12/15/18	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/18	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND	*1.00*	1.00	12/15/18	KCA	1	
Heptane	0.279		*0.244*	0.244	1.14	*1.00*	1.00	12/15/18	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	12/15/18	KCA	1	
Hexane	0.447	S	*0.284*	0.284	1.57	*1.00*	1.00	12/15/18	KCA	1	
Isopropylalcohol	5.73		*0.407*	0.407	14.1	*1.00*	1.00	12/15/18	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/18	KCA	1	
m,p-Xylene	0.809		*0.230*	0.230	3.51	*1.00*	1.00	12/15/18	KCA	1	
Methyl Ethyl Ketone	0.477		*0.339*	0.339	1.41	*1.00*	1.00	12/15/18	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/18	KCA	1	
Methylene Chloride	ND		*0.864*	0.864	ND	*3.00*	3.00	12/15/18	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/18	KCA	1	1
o-Xylene	0.257		*0.230*	0.230	1.12	*1.00*	1.00	12/15/18	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	12/15/18	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/18	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	12/15/18	KCA	1	
Tetrachloroethene	0.298		*0.037*	0.037	2.02	*0.25*	0.25	12/15/18	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	12/15/18	KCA	1	1
Toluene	1.37		*0.266*	0.266	5.16	*1.00*	1.00	12/15/18	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/15/18	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/18	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	12/15/18	KCA	1	
Trichlorofluoromethane	0.243		*0.178*	0.178	1.36	*1.00*	1.00	12/15/18	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	12/15/18	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	12/15/18	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	99		*%*	%	99	*%*	%	12/15/18	KCA	1	

Ver 1

Project ID: 39-40 30 TH ST., QUEENS
Client ID: IA6

Phoenix I.D.: CC14925

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

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

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

Comments:

E = Estimated value quantitated above calibration range for this compound.

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services.

Phyllis Shiller, Laboratory Director

December 18, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

December 18, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	TB	12/13/18	17:13
Location Code:	EBC	Received by:	LB	12/14/18	17:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28573				

Laboratory Data

SDG ID: GCC14921
Phoenix ID: CC14926

Project ID: 39-40 30 TH ST., QUEENS
Client ID: IA5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/15/18	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/15/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/15/18	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/15/18	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/15/18	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	12/15/18	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	12/15/18	KCA	1	
1,2,4-Trimethylbenzene	0.245	*0.204*	0.204	1.20	*1.00*	1.00	12/15/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	12/15/18	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/18	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/15/18	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	12/15/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	12/15/18	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/15/18	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	12/15/18	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/18	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/18	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	12/15/18	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/15/18	KCA	1	1
4-Ethyltoluene	0.222	*0.204*	0.204	1.09	*1.00*	1.00	12/15/18	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	12/15/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/15/18	KCA	1	
Acetone	8.56	*0.421*	0.421	20.3	*1.00*	1.00	12/15/18	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	12/15/18	KCA	1	
Benzene	0.463	*0.313*	0.313	1.48	*1.00*	1.00	12/15/18	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	12/15/18	KCA	1	

Project ID: 39-40 30 TH ST., QUEENS
Client ID: IA5

Phoenix I.D.: CC14926

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	12/15/18	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	12/15/18	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	12/15/18	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	12/15/18	KCA	1	
Carbon Tetrachloride	0.073		*0.032*	0.032	0.46	*0.20*	0.20	12/15/18	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	12/15/18	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	12/15/18	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	12/15/18	KCA	1	
Chloromethane	0.674		*0.485*	0.485	1.39	*1.00*	1.00	12/15/18	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/15/18	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/18	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	12/15/18	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	12/15/18	KCA	1	
Dichlorodifluoromethane	0.352		*0.202*	0.202	1.74	*1.00*	1.00	12/15/18	KCA	1	
Ethanol	92.9	E	*0.531*	0.531	175	*1.00*	1.00	12/15/18	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/18	KCA	1	1
Ethylbenzene	0.232		*0.230*	0.230	1.01	*1.00*	1.00	12/15/18	KCA	1	
Heptane	0.288		*0.244*	0.244	1.18	*1.00*	1.00	12/15/18	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	12/15/18	KCA	1	
Hexane	0.402	S	*0.284*	0.284	1.42	*1.00*	1.00	12/15/18	KCA	1	
Isopropylalcohol	10.2		*0.407*	0.407	25.1	*1.00*	1.00	12/15/18	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/18	KCA	1	
m,p-Xylene	0.803		*0.230*	0.230	3.48	*1.00*	1.00	12/15/18	KCA	1	
Methyl Ethyl Ketone	0.602		*0.339*	0.339	1.77	*1.00*	1.00	12/15/18	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/18	KCA	1	
Methylene Chloride	ND		*0.864*	0.864	ND	*3.00*	3.00	12/15/18	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/18	KCA	1	1
o-Xylene	0.235		*0.230*	0.230	1.02	*1.00*	1.00	12/15/18	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	12/15/18	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/18	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	12/15/18	KCA	1	
Tetrachloroethene	0.331		*0.037*	0.037	2.24	*0.25*	0.25	12/15/18	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	12/15/18	KCA	1	1
Toluene	1.46		*0.266*	0.266	5.50	*1.00*	1.00	12/15/18	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/15/18	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/18	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	12/15/18	KCA	1	
Trichlorofluoromethane	0.283		*0.178*	0.178	1.59	*1.00*	1.00	12/15/18	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	12/15/18	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	12/15/18	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	95		*%*	%	95	*%*	%	12/15/18	KCA	1	

Ver 1

Project ID: 39-40 30 TH ST., QUEENS
Client ID: IA5

Phoenix I.D.: CC14926

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

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

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

Comments:

E = Estimated value quantitated above calibration range for this compound.

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services.

Phyllis Shiller, Laboratory Director

December 18, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

December 18, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	TB	12/13/18	16:55
Location Code:	EBC	Received by:	LB	12/14/18	17:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28553				

Laboratory Data

SDG ID: GCC14921
Phoenix ID: CC14927

Project ID: 39-40 30 TH ST., QUEENS
Client ID: IA4

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	12/15/18	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	12/15/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	12/15/18	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	12/15/18	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	12/15/18	KCA	1	
1,1-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/15/18	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	12/15/18	KCA	1	
1,2,4-Trimethylbenzene	0.241		*0.204*	0.204	1.18	*1.00*	1.00	12/15/18	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	12/15/18	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	12/15/18	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	12/15/18	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	12/15/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND		*0.143*	0.143	ND	*1.00*	1.00	12/15/18	KCA	1	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/18	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	12/15/18	KCA	1	
1,3-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	12/15/18	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	12/15/18	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/18	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	12/15/18	KCA	1	1
4-Ethyltoluene	0.243		*0.204*	0.204	1.19	*1.00*	1.00	12/15/18	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	12/15/18	KCA	1	
Acetone	4.01	S	*0.421*	0.421	9.5	*1.00*	1.00	12/15/18	KCA	1	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	12/15/18	KCA	1	
Benzene	0.462		*0.313*	0.313	1.48	*1.00*	1.00	12/15/18	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	12/15/18	KCA	1	

Project ID: 39-40 30 TH ST., QUEENS
Client ID: IA4

Phoenix I.D.: CC14927

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	12/15/18	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	12/15/18	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	12/15/18	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	12/15/18	KCA	1	
Carbon Tetrachloride	0.064		*0.032*	0.032	0.40	*0.20*	0.20	12/15/18	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	12/15/18	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	12/15/18	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	12/15/18	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	12/15/18	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/15/18	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/18	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	12/15/18	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	12/15/18	KCA	1	
Dichlorodifluoromethane	0.355		*0.202*	0.202	1.75	*1.00*	1.00	12/15/18	KCA	1	
Ethanol	43.5	E	*0.531*	0.531	81.9	*1.00*	1.00	12/15/18	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/18	KCA	1	1
Ethylbenzene	0.236		*0.230*	0.230	1.02	*1.00*	1.00	12/15/18	KCA	1	
Heptane	0.294		*0.244*	0.244	1.20	*1.00*	1.00	12/15/18	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	12/15/18	KCA	1	
Hexane	0.529	S	*0.284*	0.284	1.86	*1.00*	1.00	12/15/18	KCA	1	
Isopropylalcohol	3.72		*0.407*	0.407	9.14	*1.00*	1.00	12/15/18	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/18	KCA	1	
m,p-Xylene	0.768		*0.230*	0.230	3.33	*1.00*	1.00	12/15/18	KCA	1	
Methyl Ethyl Ketone	0.455		*0.339*	0.339	1.34	*1.00*	1.00	12/15/18	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/18	KCA	1	
Methylene Chloride	ND		*0.864*	0.864	ND	*3.00*	3.00	12/15/18	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/18	KCA	1	1
o-Xylene	0.238		*0.230*	0.230	1.03	*1.00*	1.00	12/15/18	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	12/15/18	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/18	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	12/15/18	KCA	1	
Tetrachloroethene	0.237		*0.037*	0.037	1.61	*0.25*	0.25	12/15/18	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	12/15/18	KCA	1	1
Toluene	1.53		*0.266*	0.266	5.76	*1.00*	1.00	12/15/18	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/15/18	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/18	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	12/15/18	KCA	1	
Trichlorofluoromethane	0.233		*0.178*	0.178	1.31	*1.00*	1.00	12/15/18	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	12/15/18	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	12/15/18	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	98		*%*	%	98	*%*	%	12/15/18	KCA	1	

Ver 1

Project ID: 39-40 30 TH ST., QUEENS
Client ID: IA4

Phoenix I.D.: CC14927

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

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

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

Comments:

E = Estimated value quantitated above calibration range for this compound.

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services.

Phyllis Shiller, Laboratory Director

December 18, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Tuesday, December 18, 2018

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCC14921 - EBC

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.

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426
email: greg@phoenixlabs.com

P.O. # | Page 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: File
☐ Phone #:

Report to: Tom Gallo
Customer: EBC
Address:

Invoice to:

Sampled by: TONY BALADO

Project Name: 39-40 30th St. Queens
Requested Deliverable: RCP ☐ ASP CAT B ☒
MCP ☐ NJ Deliverables ☐
State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
14921	IA3	28584	6.0	-30	-7	5238	10.8	9:09	4:50	12.13.18	-29	-5	X				X
14922	IA1	21341			-8	6976		9:14	4:13	12.13.18	-26	-4	X				X
14923	IA2	462			-5	7011		9:03	4:49	12.13.18	-30	-4	X				X
14924	OA	28578			-7	7038		9:38	5:15	12.13.18	-30	-5	X				X
		17165				5620											
14925	IA6	28606			-6	5521		9:24	4:57	12.13.18	-29	-4	X				X
14926	IA5	28573			-7	6981		9:31	5:13	12.13.18	-30	-3	X				X
14927	IA4	28553	↓	↓	-6	7019	↓	9:21	4:55	12.13.18	-30	-5	X				X

Relinquished by:	Accepted by:	Date:	Time:
		12-14-18	12:50
		12-14-18	17:00

Data Format: Excel ☒ Equis ☒ Other ☐ ( )

Turnaround Time:

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION: (8)(6.0)(8HR)

Requested Criteria

Quote Number:

☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☒ Standard

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: Date:

APPENDIX D

1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870

Former Union Wire Die Corp
Soil Vapor Extraction
ROUTINE SYSTEM INSPECTION FORM

Last Carbon Filter Installation Date: _____ Date: 12-13-18

Inspector: TONY BALADO Time: 12:15

Inspector's Signature: _____ Weather: RAIN

Extraction Point	Operation Range	Vacuum (iwc)	PID Reading (ppb)
VE-1	Typically -20 to -14" wc	-14	1,230
VE-2	Typically -20 to -14" wc	-15	1,500
VE-3	Typically -20 to -14" wc	-15	2,110
VE-4	Typically -20 to -14" wc	-20	720
Blower Inlet	Typically -35 to -25" wc	-30	-
Before Carbon	Typically -20 to -14" wc	-29	-
After Carbon	n/a	-	0.000

Inspection:	Yes / No	Comments
Blower Operating?	Yes	
Spare Carbon Drums:		
On-Site and Labeled New?	Yes	
System Integrity:		
All PVC Piping Intact?	Yes	
Unusual Noises (i.e. hissing)?	NO	
Gauges Intact & Operating?	Yes	

This form is to be maintained onsite in a binder to be kept with the SVE system.