March 8, 2018

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 2017. In accordance with the Site Management Plan (SMP).

In addition, a summary of baseline groundwater data and soil vapor data is included for the Site from the December 14, 2017 sampling to establish future trends for the Periodic Review Reports. The annual groundwater monitoring well sampling data from locations MW3 and MW4 are included. The annual indoor air sampling data from locations IA1, IA2, IA3, IA4, IA5, IA6 and OA1 are included in this report as well. Data from four Soil Vapor Extraction (SVE) system monitoring ports, VE-1 though VE-4, Pre-Carbon, and Post-Carbon, were also sampled.

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

Very truly yours,

Amy Kasten
Environmental Geologist

Chawinie Reilly
Project Manager

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FORMER UNION WIRE DIE CORP.
NYSDEC BCP Number C241163
Project Status Report
2017

Reporting Summary

Report Date:	December 14, 2017
Reporting Period:	4th Quarter of 2017
Site Status:	The building is currently in service.
Work Performed this Quarter:	December 14, 2017 – Annual groundwater sampling, annual indoor air sampling, annual air sample for pre-carbon location and quarterly PID measurements of SVE wells, influent and after GSC units.

Monitoring Program Summary

No. of Sampling Points:	2 on-site groundwater monitoring wells (MW3 and MW4), 4 SVE wells (VE-1 - VE-4), Pre-carbon, Post-carbon, 6 indoor air sample locations (IA1 - IA6) and 1 outdoor air 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), Periodic Review Report (Annually).
Groundwater Depth:	20 feet below sidewalk grade
GW Flow Direction:	South.
Monitoring Results:	No product was detected within any of the monitoring wells.
Sampling Results:	Annual and quarterly sampling occurred during this report. Based on laboratory results and PID readings 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 4Q17 groundwater sampling event was performed on December 14, 2017. 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 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 indoor and outdoor ambient air samples was 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 14, 2017. The SVE sampling ports and pre carbon 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 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**.

ANNUALGROUNDWATER SAMPLING RESULTS

MW3 – VOCs including, cis-1,2-Dichloroethene (25 µg/L), Tetrachloroethene (170 µg/L) and Trichloroethene (79 µg/L), were reported above NYSDEC Groundwater Quality Standards. A total VOC concentration of 279.26 µg/L, was reported during the fourth quarter 2017 sampling event.

MW4 – VOCs including, cis-1,2-Dichloroethene (20 µg/L), Tetrachloroethene (94 µg/L) and Trichloroethene (13 µg/L), were reported above NYSDEC Groundwater Quality Standards. A total VOC concentration of 129.07 µg/L was reported during the fourth quarter 2017 sampling event.

ANNUAL AIR SAMPLE RESULTS

PRE-CARBON – The December BTEX concentration was reported at 8.85 µg/m^3. The total VOC concentrations during this period was reported at 578.97µg/m^3. PID reading for this port was 0.5 ppm.

IA1 – The baseline BTEX concentration was reported at 38.32 µg/m^3. The total VOC concentrations during this period was reported at 295.25 µg/m^3.

IA2 – The December 2017 BTEX concentration was reported at 39.63 µg/m^3. The total VOC concentrations during this period was reported at 162.89µg/m^3.

IA3 – The December 2017 BTEX concentration was reported at 36.93 µg/m^3. The total VOC concentrations during this period was reported at 198.42 µg/m^3.

IA4 – The December 2017 BTEX concentration was reported at 34.46 µg/m^3. The total VOC concentrations during this period was reported at 443.59 µg/m^3.

IA5 – The December 2017 BTEX concentration was reported at 29.86 µg/m^3. The total VOC concentrations during this period was reported at 560.65 µg/m^3.

IA6 – The December 2017 BTEX concentration was reported at 30.35 µg/m^3. The total VOC concentrations during this period was reported at 520.14 µg/m^3.

OA1 – The December 2017 BTEX concentration was reported at 6.38 µg/m^3. The total VOC concentrations during this period was reported at 38.37 µg/m^3.

QUATERLY PID MEASUREMENTS

VE-1 – PID reading for this port was 4.5 ppm with a vacuum of -15.87 iwc.

VE-2 – PID reading for this port was 1.6 ppm with a vacuum of -16.04 iwc.
VE-3 – PID reading for this port was 1.8 ppm with a vacuum of -15.51 iwc.

VE-4 – PID reading for this port was 1.0 ppm with a vacuum of -14.83 iwc.

PRE-CARBON – PID reading for this port was 0.5 ppm.

POST-CARBON –PID reading for this port was 0.5 ppm.

FUTURE PLANS / RECOMMENDATIONS

The SVE system is currently operating at optimal conditions no repairs or modifications are 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

Table 1
Former Union Wire Die Corp.
39-40 30th Street,
Long Island City, New York
Ground Water Analytical Results
Volatile Organic Compounds
Decemberr 2017

Compound	NYSDEC Groundwater Quality Standards	MW3		MW4		MW Duplicate	
		12/14/2017		12/14/2017		12/14/2017	
		µg/L		µg/L		µg/L	
	µg/L	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 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
1,1-Dichloroethene	5	**0.3**	1.0	< 1.0	1.0	**0.45**	1.0
1,1-Dichloropropene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichloropropane	0.04	< 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
1,2,4-Trimethylbenzene	5	< 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
1,2-Dibromoethane		< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dichloroethane	0.6	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	0.94	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichlorobenzene		**0.4**	1.0	**0.75**	1.0	< 1.0	1.0
1,3-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Hexanone (Methyl Butyl Ketone)		< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
2-Isopropyltoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Methyl-2-Pentanone		< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Acetone	50	< 5.0	5.0	< 5.0	5.0	**4.1**	5.0
Acrolein		< 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
Benzene	1	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70
Bromobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromodichloromethane		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromoform		< 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
Carbon Disulfide	60	< 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
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	7	< 5.0	5.0	**1**	5.0	**0.89**	5.0
Chloromethane	60	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	**25**	1.0	**20**	1.0	**160**	20
cis-1,3-Dichloropropene		< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
Dibromochloromethane		< 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
Dichlorodifluoromethane	5	< 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
Hexachlorobutadiene	0.5	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
m&p-Xylenes	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methyl Ethyl Ketone (2-Butanone)	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)	10	< 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
Naphthalene	10	< 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
n-Propylbenzene	5	< 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
p-Isopropyltoluene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
sec-Butylbenzene	5	**1.9**	1.0	< 1.0	1.0	< 1.0	1.0
Styrene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
tert-Butylbenzene	5	**2.1**	1.0	< 1.0	1.0	**0.53**	1.0
Tetrachloroethene	5	**170**	20	**94**	10	**79**	20
Tetrahydrofuran (THF)		< 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
trans-1,2-Dichloroethene	5	**0.56**	5.0	**0.32**	5.0	**3.6**	5.0
trans-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Trichloroethene	5	**79**	20	**13**	1.0	**29**	20
Trichlorofluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorotrifluoroethane		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Vinyl Chloride	2	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
BTEX		**0.00**		**0.00**		**0.00**	
Total PVOCs		**< 1.0**		**< 1.0**		**< 1.0**	
Total VOCs		**279.26**		**129.07**		**277.57**	

Notes:
RL- Reporting Limit
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 2
Former Union Wire Die Corp.
39-40 30th Street,
Long Island City, New York
Soil Gas Analytical Results
Volatile Organic Compounds
December 2017

COMPOUNDS	NYSDOH Maximum Sub-Slab Value ($\mu g/m^3$) [a]	NYSDOH Soil Outdoor Background Levels ($\mu g/m^3$) [b]	IA1 12/14/2017 ($\mu g/m3$)		IA2 12/14/2017 ($\mu g/m3$)		IA3 12/14/2017 ($\mu g/m3$)		IA4 12/14/2017 ($\mu g/m3$)		IA5 12/14/2017 ($\mu g/m3$)		IA6 12/14/2017 ($\mu g/m3$)		OA1 12/14/2017 ($\mu g/m3$)	
			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			< 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	**1.37**	1.00	**1.24**	1.00	**1.3**	1.00	**1.41**	1.00	**1.41**	1.00	**1.33**	1.00	< 1.00	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			< 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	< 1.00	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			< 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			< 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	**1.37**	1.00	**1.33**	1.00	**1.41**	1.00	**1.39**	1.00	**1.32**	1.00	**1.37**	1.00	< 1.00	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			**1.31**	1.00	**1.01**	1.00	< 1.00	1.00	**1.06**	1.00	**2.25**	1.00	**1.83**	1.00	< 1.00	1.00
Acetone		NA	**21**	1.00	**18.3**	1.00	**18.8**	1.00	**21.4**	1.00	**28.3**	1.00	**26.8**	1.00	**5.58**	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	**1.31**	1.00	**1.21**	1.00	**1.22**	1.00	**1.33**	1.00	**1.33**	1.00	**1.28**	1.00	< 1.00	1.00
Benzyl chloride			< 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	**0.47**	0.20	**0.48**	0.20	**0.47**	0.20	**0.52**	0.20	**0.49**	0.20	**0.5**	0.20	**0.49**	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	**1.15**	1.00	**1.34**	1.00	**1.36**	1.00	**1.29**	1.00	**1.35**	1.00	**1.7**	1.00	**1.22**	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	< 1.00	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	**2.49**	1.00	**2.51**	1.00	**2.39**	1.00	**2.66**	1.00	**2.55**	1.00	**2.55**	1.00	**2.47**	1.00
Ethanol			**198**	1.00	**75.5**	1.00	**114**	1.00	**348**	1.00	**443**	1.00	**410**	1.00	**13.4**	1.00
Ethyl Acetate		NA	**2.61**	1.00	**2.07**	1.00	**1.88**	1.00	**2.15**	1.00	**3.48**	1.00	**3.42**	1.00	< 1.00	1.00
Ethylbenzene		<4.3	**1.57**	1.00	**1.64**	1.00	**1.59**	1.00	**1.55**	1.00	**1.48**	1.00	**1.52**	1.00	< 1.00	1.00
Heptane		NA	**2.24**	1.00	**1.56**	1.00	**1.61**	1.00	**2.23**	1.00	**2.94**	1.00	**2.8**	1.00	**1.53**	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	**1.75**	1.00	**1.93**	1.00	**1.98**	1.00	**1.86**	1.00	**1.81**	1.00	**1.85**	1.00	**1.24**	1.00
Isopropylalcohol		NA	**13.3**	1.00	**5.58**	1.00	**5.92**	1.00	**14.8**	1.00	**28.5**	1.00	**26.3**	1.00	**2.03**	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	**5.51**	1.00	**5.51**	1.00	**5.21**	1.00	**5.12**	1.00	**5.03**	1.00	**5.08**	1.00	**2.39**	1.00
Methyl Ethyl Ketone			**3.98**	1.00	**4.16**	1.00	**3.86**	1.00	**4.01**	1.00	**3.68**	1.00	**3.63**	1.00	**1.89**	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	**1.93**	1.00	**1.97**	1.00	**1.91**	1.00	**1.86**	1.00	**1.72**	1.00	**1.77**	1.00	< 1.00	1.00
Propylene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**4.13**	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			< 1.00	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
Tetrachloroethene	100		**2.35**	0.25	**2.41**	0.25	**2.34**	0.25	**2.32**	0.25	**2.14**	0.25	**2.24**	0.25	**0.76**	0.25
Tetrahydrofuran		NA	**2**	1.00	**2.48**	1.00	**2.76**	1.00	**2.27**	1.00	**1.67**	1.00	**1.72**	1.00	< 1.00	1.00
Toluene		1.0 - 6.1	**28**	1.00	**29.3**	1.00	**27**	1.00	**24.6**	1.00	**20.3**	1.00	**20.7**	1.00	**3.99**	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			< 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	5	<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	**1.54**	1.00	**1.36**	1.00	**1.41**	1.00	**1.76**	1.00	**1.77**	1.00	**1.75**	1.00	**1.38**	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			**38.32**		**39.63**		**36.93**		**34.46**		**29.86**		**30.35**		**6.38**	
Total VOCs			**295.25**		**162.89**		**198.42**		**443.59**		**560.65**		**520.14**		**38.37**	

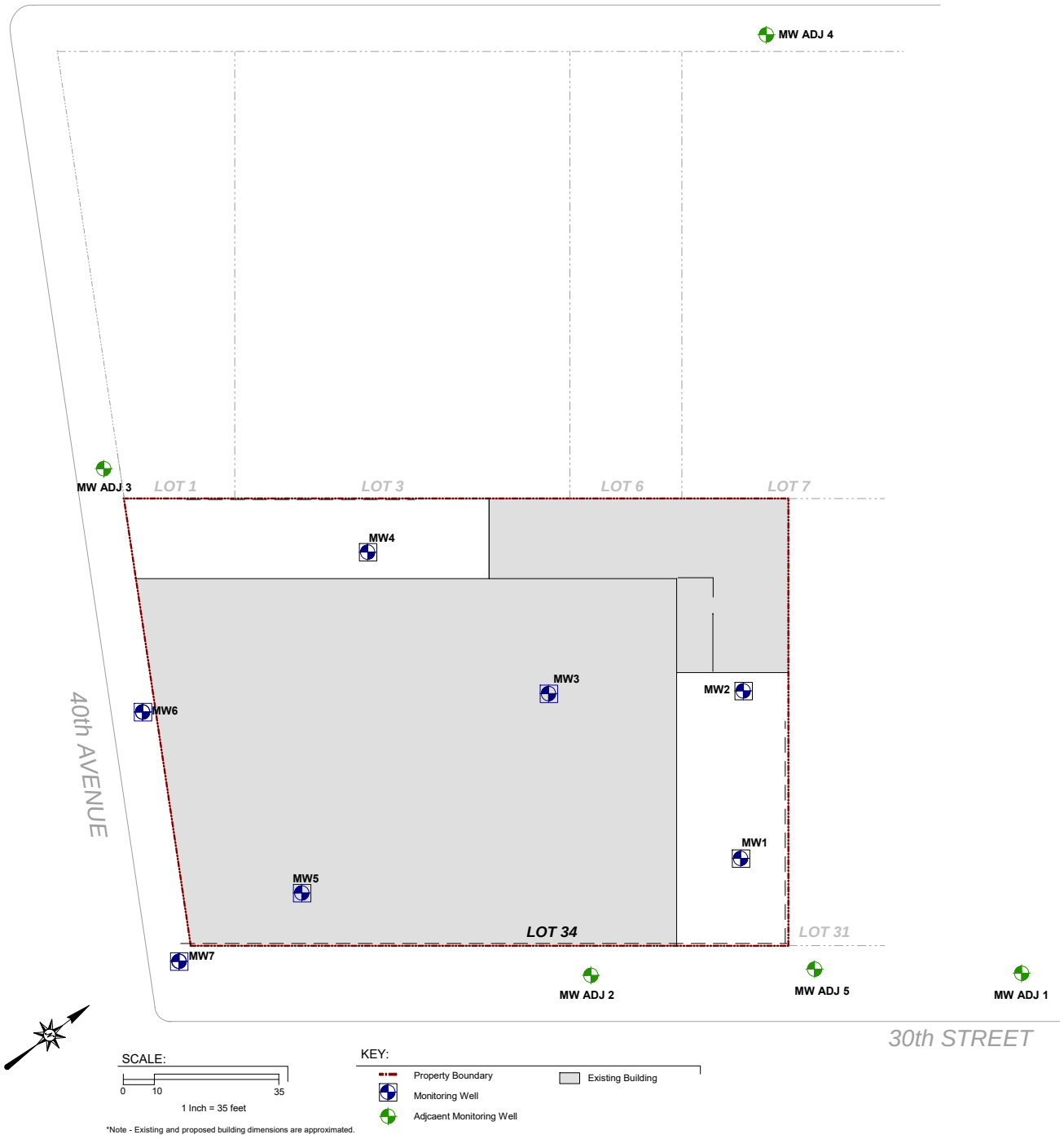
Notes:
NA No guidance value or standard available
(a) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October 2006. New York State Department of Health.
(b) NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005, Summary of Background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

Table 3
Former Union Wire Die Corp.
39-40 30th Street,
Long Island City, New York
Soil Gas Analytical Results
Volatile Organic Compounds
December 2017

COMPOUNDS	NYSDOH Maximum Sub-Slab Value ($\mu g/m^3$) [a]	NYSDOH Soil Outdoor Background Levels ($\mu g/m^3$) [b]	Pre Carbon 12/14/2017 ($\mu g/m3$)		Post Carbon 12/14/2017 ($\mu g/m3$)	
			Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 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
1,1,2,2-Tetrachloroethane		<1.5	< 1.00	1.00	< 1.00	1.00
1,1,2-Trichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethene		<1.0	< 1.00	1.00	< 1.00	1.00
1,2,4-Trimethylbenzene		<1.0	< 1.00	1.00	**1.09**	1.00
1,2-Dibromoethane		<1.5	< 1.00	1.00	< 1.00	1.00
1,2-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00
1,2-Dichloropropane			< 1.00	1.00	< 1.00	1.00
1,2-Dichlorotetrafluoroethane			< 1.00	1.00	< 1.00	1.00
1,3,5-Trimethylbenzene		<1.0	< 1.00	1.00	< 1.00	1.00
1,3-Butadiene		NA	< 1.00	1.00	< 1.00	1.00
1,4-Dioxane			< 1.00	1.00	< 1.00	1.00
2-Hexanone			< 1.00	1.00	< 1.00	1.00
4-Ethyltoluene		NA	< 1.00	1.00	< 1.00	1.00
4-Isopropyltoluene			< 1.00	1.00	< 1.00	1.00
4-Methyl-2-pentanone			< 1.00	1.00	< 1.00	1.00
Acetone		NA	**6.91**	1.00	**7.86**	1.00
Acrylonitrile			< 1.00	1.00	< 1.00	1.00
Benzene		<1.6 - 4.7	< 1.00	1.00	< 1.00	1.00
Bromodichloromethane		<5.0	**2.36**	1.00	< 1.00	1.00
Bromoform		<1.0	< 1.00	1.00	< 1.00	1.00
Bromomethane		<1.0	< 1.00	1.00	< 1.00	1.00
Carbon Disulfide		NA	< 1.00	1.00	< 1.00	1.00
Carbon Tetrachloride	5	<3.1	**0.52**	0.25	< 0.25	0.25
Chlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00
Chloroethane		NA	< 1.00	1.00	< 1.00	1.00
Chloroform		<2.4	**2.15**	1.00	**2.52**	1.00
Chloromethane		<1.0 - 1.4	< 1.00	1.00	< 1.00	1.00
cis-1,2-Dichloroethene		<1.0	< 1.00	1.00	< 1.00	1.00
cis-1,3-Dichloropropene		NA	< 1.00	1.00	< 1.00	1.00
Cyclohexane		NA	< 1.00	1.00	< 1.00	1.00
Dibromochloromethane		<5.0	< 1.00	1.00	< 1.00	1.00
Dichlorodifluromethane		NA	**2.3**	1.00	**2.45**	1.00
Ethanol			**17.7**	1.00	**19**	1.00
Ethyl Acetate		NA	< 1.00	1.00	**1.9**	1.00
Ethylbenzene		<4.3	< 1.00	1.00	< 1.00	1.00
Heptane		NA	< 1.00	1.00	< 1.00	1.00
Hexachlorobutadiene		NA	< 1.00	1.00	< 1.00	1.00
Hexane		<1.5	< 1.00	1.00	< 1.00	1.00
Isopropylalcohol		NA	< 1.00	1.00	**3.59**	1.00
Isopropylbenzene			< 1.00	1.00	< 1.00	1.00
Xylene (m&p)		<4.3	**1.84**	1.00	**2.04**	1.00
Methyl Ethyl Ketone			< 1.00	1.00	< 1.00	1.00
MTBE		NA	< 1.00	1.00	< 1.00	1.00
Methylene Chloride		<3.4	**5.83**	1.00	**4.58**	1.00
n-Butylbenzene			< 1.00	1.00	< 1.00	1.00
Xylene (o)		<4.3	< 1.00	1.00	< 1.00	1.00
Propylene		NA	< 1.00	1.00	< 1.00	1.00
sec-Butylbenzene			< 1.00	1.00	< 1.00	1.00
Tetrachloroethene	100		**264**	0.25	**0.57**	0.25
Tetrahydrofuran		NA	< 1.00	1.00	< 1.00	1.00
Toluene		1.0 - 6.1	**7.01**	1.00	**4.26**	1.00
trans-1,2-Dichloroethene		NA	< 1.00	1.00	< 1.00	1.00
Trichloroethene	5	<1.7	**262**	1.25	**4.29**	0.25
Trichlorofluoromethane		NA	**1.35**	1.00	**1.33**	1.00
Trichlorotrifluoroethane			< 1.00	1.00	< 1.00	1.00
Vinyl Chloride		<1.0	< 0.25	0.25	< 0.25	0.25
BTEX			**8.85**		**6.30**	
Total VOCs			**573.97**		**55.48**	

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)

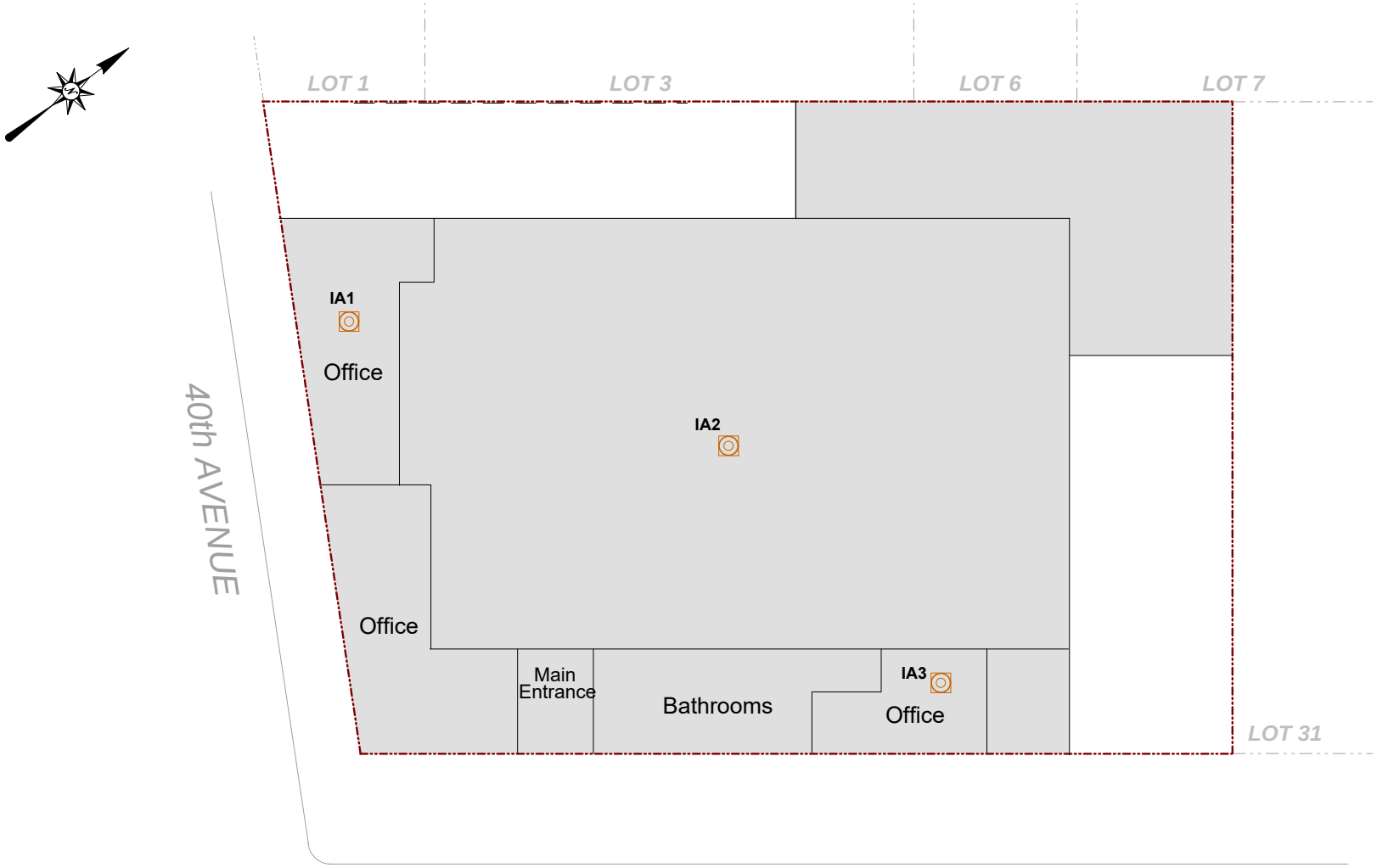
FIGURES



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



SCALE:

0 5 25

1 Inch = 25 feet

*Note - Existing and proposed building dimensions are approximated.

KEY:

Property Boundary

Indoor Air Sampling Location

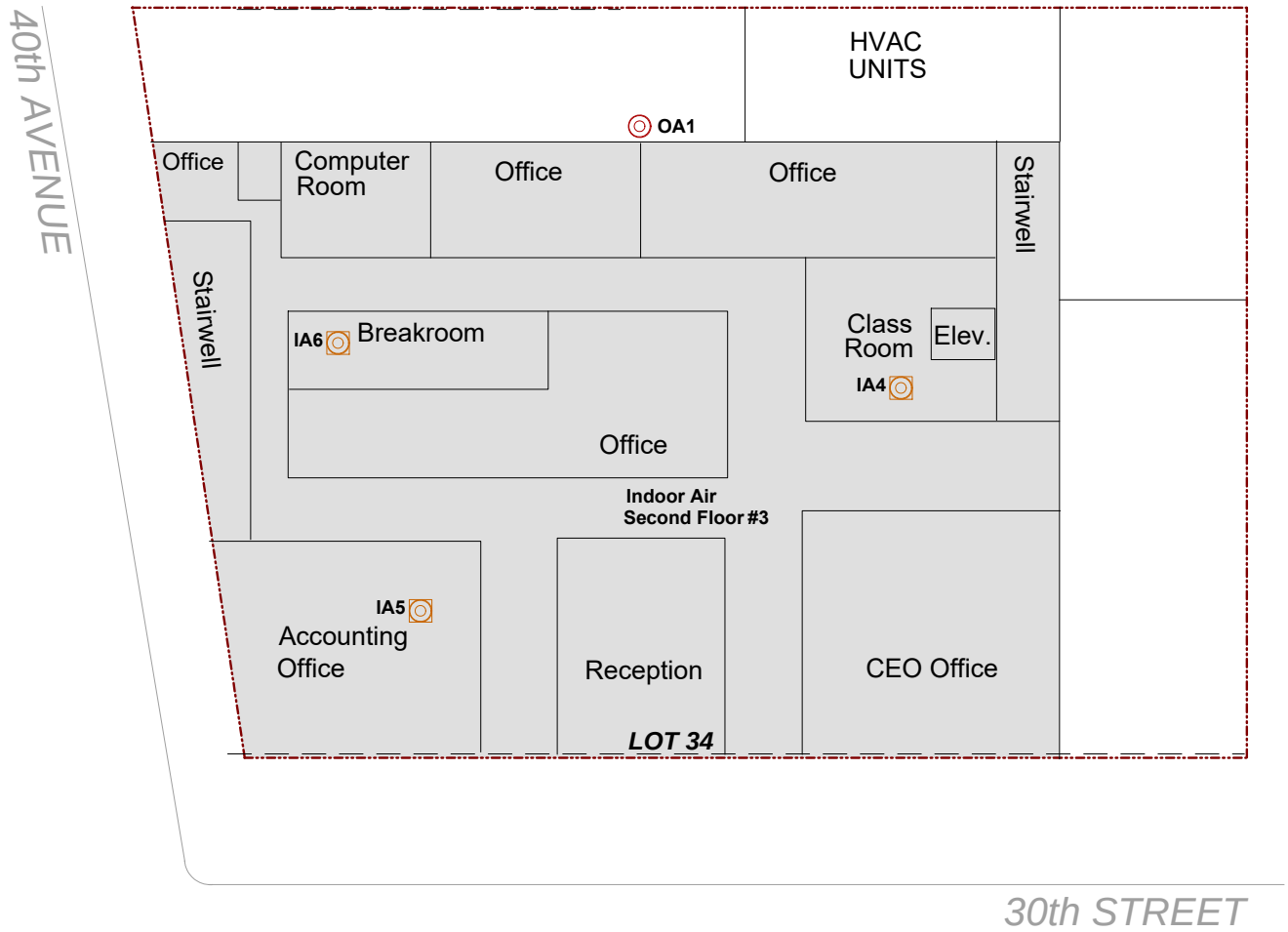
EBC
Environmental Business Consultants
1808 Middle Country Road. Ridge. NY 11961
Phone 631.504.6000
Fax 631.924.2780

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

FIGURE 2A

1st Floor
Indoor Air 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

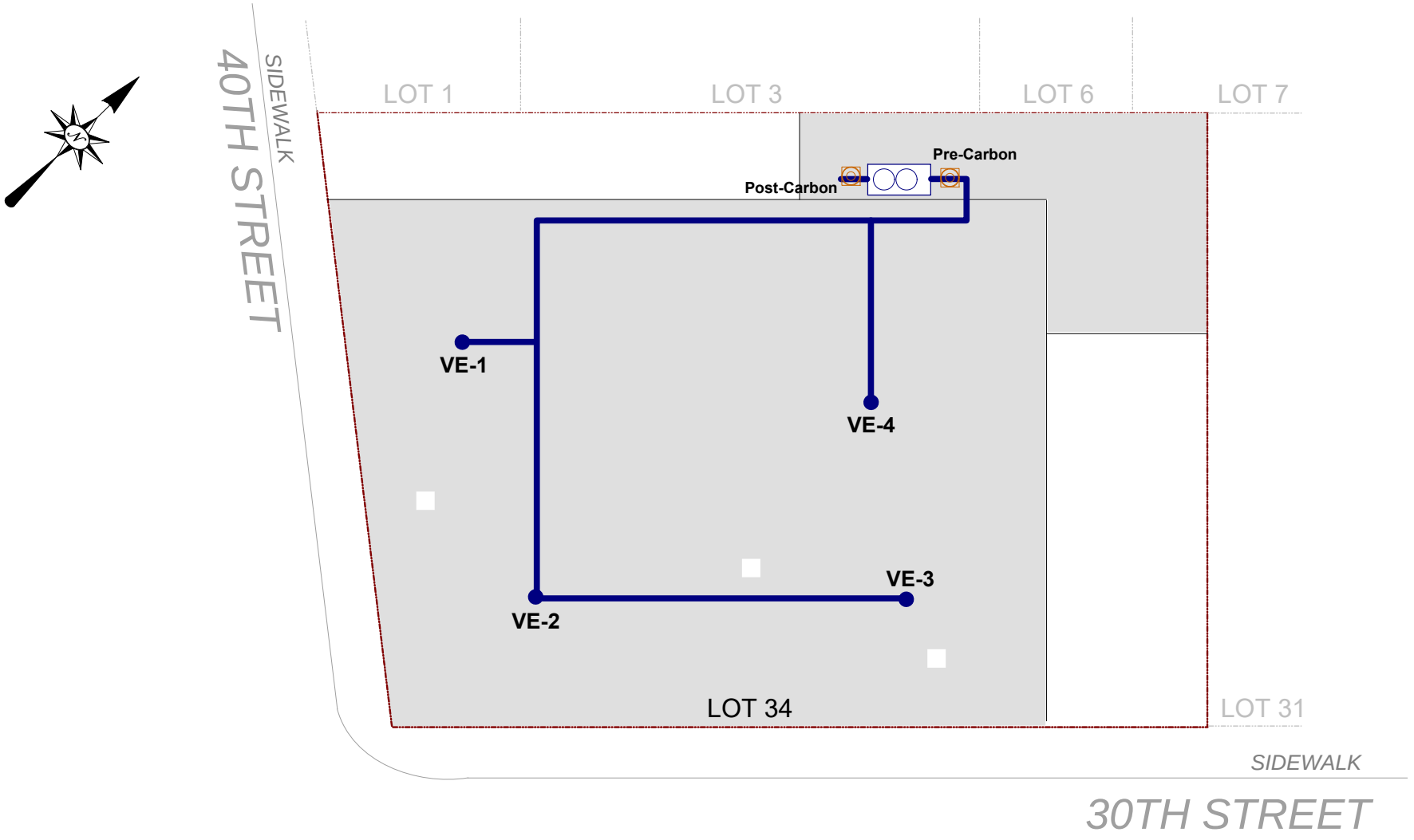
Phone 631.504.6000

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



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

APPENDIX A

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORMS

39-40 30th St

GROUNDWATER PURGE / SAMPLE LOGS

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW3

Date: 12/14/17

Well Depth (from TOC): 30

Equipment: Horiba + Peristaltic pump

Static Water Level (from TOC): 16.78

Height of Water in Well: 13.22'

Gallons of Water per Well Volume: x3 1.4

Flow Rate: 400ml/min

Time	Pump Rate	Gal. Removed	pH	Cond. (uS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
9:40	400ml/min	0.0	8.4	2.98	13.58	2.32	11	45.7		slow cover adv
9:43	↑	0.33	8.9	2.95	14.96	3.04	3	30.2		↓
9:48		0.9	8.03	2.94	15.13	1.02	-3	23.6		
9:53		1.4	8.03	2.95	14.80	0.56	-4	2.95		
9:58		1.9	8.00	2.92	14.63	0.0	-4	2.95		* sample taken
	↓									

Note 400 ml = 0.11 gallons

39-40 30th St

GROUNDWATER PURGE / SAMPLE LOGS

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW4

Date: 2/13/17

Well Depth (from TOC): 30

Equipment: Hurbat peristaltic pump

Static Water Level (from TOC): 19.23

Height of Water in Well: 10.77

Gallons of Water per Well Volume: 1.07

Flow Rate: 400ml/min

Time	Pump Rate	Gal. Removed	pH	Cond. (uS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
10:40	400 ml/min	0.33	7.9	2.48	13.97	6.2	-96	669		color
10:43	↓	0.9	7.38	2.11	10.28	4.97	-63	323		↓
10:48		1.04	7.33	2.08	16.36	3.73	-62	148		
10:53	↓	1.9	7.30	2.08	15.50	3.52	-62	140		* sampled

Note: 400 ml = 0.11 gallons

APPENDIX B

Groundwater Laboratory Reports

PHOENIX
Environmental Laboratories, Inc.

Wednesday, January 03, 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: BZ61091 - BZ61094

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

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

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

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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
VT Lab Registration #VT11301

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Environmental Business Consultants

Project: 39-40 30TH ST., QUEENS

Laboratory Project: GBZ61091

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

January 03, 2018 **SDG I.D.: GBZ61091**

Environmental Business Consultants 39-40 30TH ST., QUEENS

Methodology Summary

Volatile Organic Compounds:

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

Sample Id Cross Reference

Client Id	Lab Id	Matrix
MW3	BZ61091	GROUND WATER
MW4	BZ61092	GROUND WATER
MW DUPLICATE	BZ61093	GROUND WATER
TRIP BLANK	BZ61094	WATER

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

January 03, 2018 **SDG I.D.: GBZ61091**

Environmental Business Consultants 39-40 30TH ST., QUEENS

Laboratory Chronicle

The samples in this delivery group were received at 3.1°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
BZ61091	Volatiles	12/14/17	12/16/17	12/16/17	MH	Y
BZ61092	Client MS/MSD	12/14/17	12/18/17	12/18/17		Y
BZ61092	Volatiles	12/14/17	12/18/17	12/18/17	MH	Y
BZ61093	Volatiles	12/14/17	12/18/17	12/18/17	MH	Y
BZ61094	Volatiles	12/14/17	12/16/17	12/16/17	HM	Y

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

January 03, 2018

SDG I.D.: GBZ61091

8260 Volatile Organics:
1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/FID method 504 or 8011 to achieve this criteria.

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

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 03, 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:	ML	12/14/17	
Location Code:	EBC	Received by:	LB	12/15/17	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBZ61091
Phoenix ID: BZ61091

Project ID: 39-40 30TH ST., QUEENS
Client ID: MW3

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	12/18/17	MH	SW8260C	
1,1,1-Trichloroethane	ND		5.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
1,1-Dichloroethane	ND		5.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
1,1-Dichloroethene	0.30	J	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	B
1,2,3-Trichloropropane	ND		0.25	0.25	ug/L	1	12/18/17	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	B
1,2,4-Trimethylbenzene	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		0.50	0.50	ug/L	1	12/18/17	MH	SW8260C	
1,2-Dibromoethane	ND		0.25	0.25	ug/L	1	12/18/17	MH	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
1,2-Dichloroethane	ND		0.60	0.50	ug/L	1	12/18/17	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
1,3,5-Trimethylbenzene	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
1,3-Dichlorobenzene	0.40	J	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	12/18/17	MH	SW8260C	
2-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	12/18/17	MH	SW8260C	

Project ID: 39-40 30TH ST., QUEENS
Client ID: MW3

Phoenix I.D.: BZ61091

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	12/18/17	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	12/18/17	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	12/18/17	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	12/18/17	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
cis-1,2-Dichloroethene	25		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/18/17	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	12/18/17	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	12/18/17	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	12/18/17	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	12/18/17	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
sec-Butylbenzene	1.9		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
tert-Butylbenzene	2.1		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
Tetrachloroethene	170	D	20	5.0	ug/L	20	12/16/17	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	12/18/17	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
trans-1,2-Dichloroethene	0.56	J	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/18/17	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	12/18/17	MH	SW8260C	
Trichloroethene	79	D	20	5.0	ug/L	20	12/16/17	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	12/18/17	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	100				%	1	12/18/17	MH	70 - 130 %	
% Bromofluorobenzene	101				%	1	12/18/17	MH	70 - 130 %	
% Dibromofluoromethane	99				%	1	12/18/17	MH	70 - 130 %	

Ver 2

Project ID: 39-40 30TH ST., QUEENS
Client ID: MW3

Phoenix I.D.: BZ61091

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	109			%	1	12/18/17	MH	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

Volatile Comment:
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.
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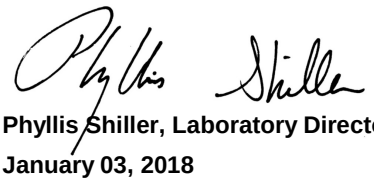

Phyllis Shiller, Laboratory Director

January 03, 2018

Reviewed and Released by: Jon Carlson, Project Manager

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

January 03, 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:	ML	12/14/17	
Location Code:	EBC	Received by:	LB	12/15/17	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBZ61091
Phoenix ID: BZ61092

Project ID: 39-40 30TH ST., QUEENS
Client ID: MW4

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	12/16/17	MH	SW8260C	
1,1,1-Trichloroethane	ND		5.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,1-Dichloroethane	ND		5.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	B
1,2,3-Trichloropropane	ND		0.25	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	B
1,2,4-Trimethylbenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		0.50	0.50	ug/L	1	12/16/17	MH	SW8260C	
1,2-Dibromoethane	ND		0.25	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,2-Dichloroethane	ND		0.60	0.50	ug/L	1	12/16/17	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,3,5-Trimethylbenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,3-Dichlorobenzene	0.75	J	1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	12/16/17	MH	SW8260C	
2-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	12/16/17	MH	SW8260C	

Project ID: 39-40 30TH ST., QUEENS
Client ID: MW4

Phoenix I.D.: BZ61092

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	12/16/17	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	12/16/17	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	12/16/17	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	12/16/17	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Chloroform	1.0	J	5.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
cis-1,2-Dichloroethene	20		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/16/17	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	12/16/17	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	12/16/17	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	12/16/17	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	12/16/17	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Tetrachloroethene	94	D	10	2.5	ug/L	10	12/18/17	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	12/16/17	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
trans-1,2-Dichloroethene	0.32	J	5.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/16/17	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	12/16/17	MH	SW8260C	
Trichloroethene	13		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	102				%	1	12/16/17	MH	70 - 130 %	
% Bromofluorobenzene	95				%	1	12/16/17	MH	70 - 130 %	
% Dibromofluoromethane	103				%	1	12/16/17	MH	70 - 130 %	

Ver 2

Project ID: 39-40 30TH ST., QUEENS
Client ID: MW4

Phoenix I.D.: BZ61092

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100			%	1	12/16/17	MH	70 - 130 %
Client MS/MSD	Completed					12/18/17		

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

Volatile Comment:
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.
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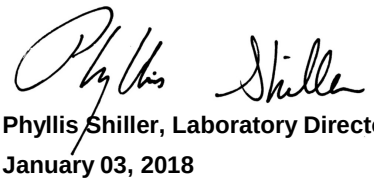

Phyllis Shiller, Laboratory Director
January 03, 2018
Reviewed and Released by: Jon Carlson, Project Manager

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 03, 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:	ML	12/14/17	
Location Code:	EBC	Received by:	LB	12/15/17	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBZ61091
Phoenix ID: BZ61093

Project ID: 39-40 30TH ST., QUEENS
Client ID: MW 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	12/16/17	MH	SW8260C	
1,1,1-Trichloroethane	ND		5.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,1-Dichloroethane	ND		5.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,1-Dichloroethene	0.45	J	1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	B
1,2,3-Trichloropropane	ND		0.25	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	B
1,2,4-Trimethylbenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		0.50	0.50	ug/L	1	12/16/17	MH	SW8260C	
1,2-Dibromoethane	ND		0.25	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,2-Dichloroethane	ND		0.60	0.50	ug/L	1	12/16/17	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,3,5-Trimethylbenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	12/16/17	MH	SW8260C	
2-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	12/16/17	MH	SW8260C	

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

Phoenix I.D.: BZ61093

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	4.1	JS	5.0	2.5	ug/L	1	12/16/17	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	12/16/17	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	12/16/17	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	12/16/17	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Chloroform	0.89	J	5.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
cis-1,2-Dichloroethene	160	D	20	5.0	ug/L	20	12/18/17	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/16/17	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	12/16/17	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	12/16/17	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	12/16/17	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	12/16/17	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
tert-Butylbenzene	0.53	J	1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Tetrachloroethene	79	D	20	5.0	ug/L	20	12/18/17	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	12/16/17	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
trans-1,2-Dichloroethene	3.6	J	5.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/16/17	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	12/16/17	MH	SW8260C	
Trichloroethene	29	D	20	5.0	ug/L	20	12/18/17	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	12/16/17	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	103				%	1	12/16/17	MH	70 - 130 %	
% Bromofluorobenzene	97				%	1	12/16/17	MH	70 - 130 %	
% Dibromofluoromethane	104				%	1	12/16/17	MH	70 - 130 %	

Ver 2

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

Phoenix I.D.: BZ61093

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	102			%	1	12/16/17	MH	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

Volatile Comment:
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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

January 03, 2018

Reviewed and Released by: Jon Carlson, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 03, 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:	WATER	Collected by:	ML	12/14/17	
Location Code:	EBC	Received by:	LB	12/15/17	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBZ61091
Phoenix ID: BZ61094

Project ID: 39-40 30TH ST., QUEENS
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	12/16/17	HM	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	B
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	12/16/17	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	12/16/17	HM	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	12/16/17	HM	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/16/17	HM	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	12/16/17	HM	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/16/17	HM	SW8260C	

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

Phoenix I.D.: BZ61094

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	5.0	2.5	ug/L	1	12/16/17	HM	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	12/16/17	HM	SW8260C	
Acrylonitrile	ND	5.0	2.5	ug/L	1	12/16/17	HM	SW8260C	
Benzene	ND	0.70	0.25	ug/L	1	12/16/17	HM	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Bromoform	ND	5.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Bromomethane	ND	5.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Chlorobenzene	ND	5.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Chloroethane	ND	5.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Chloroform	ND	5.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Chloromethane	ND	5.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/16/17	HM	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	12/16/17	HM	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	12/16/17	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	12/16/17	HM	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	12/16/17	HM	SW8260C	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	12/16/17	HM	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/16/17	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	12/16/17	HM	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	98			%	1	12/16/17	HM	70 - 130 %	
% Bromofluorobenzene	94			%	1	12/16/17	HM	70 - 130 %	
% Dibromofluoromethane	95			%	1	12/16/17	HM	70 - 130 %	

Ver 2

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

Phoenix I.D.: BZ61094

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	12/16/17	HM	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

January 03, 2018

Reviewed and Released by: Jon Carlson, Project Manager

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

January 03, 2018

QA/QC Data

SDG I.D.: GBZ61091

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 413449 (ug/L), QC Sample No: BZ61087 (BZ61091 (20X) , BZ61092, BZ61093, BZ61094)										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	84	90	6.9				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	82	87	5.9				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	85	95	11.1				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	78	86	9.8				70 - 130	30
1,1-Dichloroethane	ND	1.0	84	93	10.2				70 - 130	30
1,1-Dichloroethene	ND	1.0	85	92	7.9				70 - 130	30
1,1-Dichloropropene	ND	1.0	83	89	7.0				70 - 130	30
1,2,3-Trichlorobenzene	0.31 JB	1.0	77	86	11.0				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	78	86	9.8				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	79	87	9.6				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	83	88	5.8				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	86	92	6.7				70 - 130	30
1,2-Dibromoethane	ND	1.0	80	88	9.5				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	79	84	6.1				70 - 130	30
1,2-Dichloroethane	ND	1.0	81	89	9.4				70 - 130	30
1,2-Dichloropropane	ND	1.0	82	90	9.3				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	86	89	3.4				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	81	85	4.8				70 - 130	30
1,3-Dichloropropane	ND	1.0	79	88	10.8				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	79	85	7.3				70 - 130	30
2,2-Dichloropropane	ND	1.0	89	96	7.6				70 - 130	30
2-Chlorotoluene	ND	1.0	83	87	4.7				70 - 130	30
2-Hexanone	ND	5.0	80	89	10.7				70 - 130	30
2-Isopropyltoluene	ND	1.0	94	99	5.2				70 - 130	30
4-Chlorotoluene	ND	1.0	82	87	5.9				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	83	94	12.4				70 - 130	30
Acetone	ND	5.0	84	97	14.4				70 - 130	30
Acrolein	ND	5.0	97	108	10.7				70 - 130	30
Acrylonitrile	ND	5.0	93	108	14.9				70 - 130	30
Benzene	ND	0.70	82	90	9.3				70 - 130	30
Bromobenzene	ND	1.0	84	88	4.7				70 - 130	30
Bromochloromethane	ND	1.0	79	89	11.9				70 - 130	30
Bromodichloromethane	ND	0.50	81	88	8.3				70 - 130	30
Bromoform	ND	1.0	82	89	8.2				70 - 130	30
Bromomethane	ND	1.0	100	107	6.8				70 - 130	30
Carbon Disulfide	ND	1.0	99	108	8.7				70 - 130	30
Carbon tetrachloride	ND	1.0	81	86	6.0				70 - 130	30
Chlorobenzene	ND	1.0	80	85	6.1				70 - 130	30
Chloroethane	ND	1.0	101	108	6.7				70 - 130	30
Chloroform	ND	1.0	80	87	8.4				70 - 130	30
Chloromethane	ND	1.0	94	105	11.1				70 - 130	30

QA/QC Data

SDG I.D.: GBZ61091

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,2-Dichloroethene	ND	1.0	82	90	9.3				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	80	89	10.7				70 - 130	30
Dibromochloromethane	ND	0.50	86	93	7.8				70 - 130	30
Dibromomethane	ND	1.0	78	86	9.8				70 - 130	30
Dichlorodifluoromethane	ND	1.0	95	102	7.1				70 - 130	30
Ethylbenzene	ND	1.0	83	88	5.8				70 - 130	30
Hexachlorobutadiene	ND	0.40	88	87	1.1				70 - 130	30
Isopropylbenzene	ND	1.0	85	86	1.2				70 - 130	30
m&p-Xylene	ND	1.0	82	86	4.8				70 - 130	30
Methyl ethyl ketone	ND	5.0	92	105	13.2				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	98	109	10.6				70 - 130	30
Methylene chloride	ND	1.0	82	90	9.3				70 - 130	30
Naphthalene	ND	1.0	77	89	14.5				70 - 130	30
n-Butylbenzene	ND	1.0	85	90	5.7				70 - 130	30
n-Propylbenzene	ND	1.0	85	88	3.5				70 - 130	30
o-Xylene	ND	1.0	82	88	7.1				70 - 130	30
p-Isopropyltoluene	ND	1.0	85	88	3.5				70 - 130	30
sec-Butylbenzene	ND	1.0	86	91	5.6				70 - 130	30
Styrene	ND	1.0	81	88	8.3				70 - 130	30
tert-Butylbenzene	ND	1.0	83	87	4.7				70 - 130	30
Tetrachloroethene	ND	1.0	79	84	6.1				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	85	100	16.2				70 - 130	30
Toluene	ND	1.0	82	88	7.1				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	82	91	10.4				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	79	88	10.8				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	99	113	13.2				70 - 130	30
Trichloroethene	ND	1.0	81	86	6.0				70 - 130	30
Trichlorofluoromethane	ND	1.0	96	102	6.1				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	94	96	2.1				70 - 130	30
Vinyl chloride	ND	1.0	98	105	6.9				70 - 130	30
% 1,2-dichlorobenzene-d4	98	%	100	99	1.0				70 - 130	30
% Bromofluorobenzene	95	%	99	102	3.0				70 - 130	30
% Dibromofluoromethane	96	%	95	99	4.1				70 - 130	30
% Toluene-d8	97	%	100	101	1.0				70 - 130	30

Comment:

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

QA/QC Batch 413656 (ug/L), QC Sample No: BZ61092 (BZ61091, BZ61092 (10X) , BZ61093 (20X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	103	106	2.9	109	113	3.6	70 - 130	30
1,1,1-Trichloroethane	ND	1.0	100	105	4.9	113	116	2.6	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	104	109	4.7	110	113	2.7	70 - 130	30
1,1,2-Trichloroethane	ND	1.0	102	106	3.8	108	110	1.8	70 - 130	30
1,1-Dichloroethane	ND	1.0	103	106	2.9	114	117	2.6	70 - 130	30
1,1-Dichloroethene	ND	1.0	104	108	3.8	119	120	0.8	70 - 130	30
1,1-Dichloropropene	ND	1.0	101	105	3.9	115	117	1.7	70 - 130	30
1,2,3-Trichlorobenzene	0.43 J	1.0	103	109	5.7	96	101	5.1	70 - 130	30
1,2,3-Trichloropropane	ND	1.0	99	106	6.8	104	108	3.8	70 - 130	30
1,2,4-Trichlorobenzene	0.25 J	1.0	101	107	5.8	101	106	4.8	70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	99	103	4.0	109	111	1.8	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	106	112	5.5	103	105	1.9	70 - 130	30
1,2-Dibromoethane	ND	1.0	104	107	2.8	110	113	2.7	70 - 130	30
1,2-Dichlorobenzene	ND	1.0	97	103	6.0	107	109	1.9	70 - 130	30

QA/QC Data

SDG I.D.: GBZ61091

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dichloroethane	ND	1.0	100	103	3.0	109	111	1.8	70 - 130	30	
1,2-Dichloropropane	ND	1.0	100	105	4.9	111	114	2.7	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	100	105	4.9	112	114	1.8	70 - 130	30	
1,3-Dichlorobenzene	ND	1.0	100	104	3.9	109	111	1.8	70 - 130	30	
1,3-Dichloropropane	ND	1.0	101	104	2.9	109	110	0.9	70 - 130	30	
1,4-Dichlorobenzene	ND	1.0	100	104	3.9	108	109	0.9	70 - 130	30	
2,2-Dichloropropane	ND	1.0	105	109	3.7	100	103	3.0	70 - 130	30	
2-Chlorotoluene	ND	1.0	99	104	4.9	109	112	2.7	70 - 130	30	
2-Hexanone	ND	5.0	91	92	1.1	93	97	4.2	70 - 130	30	
2-Isopropyltoluene	ND	1.0	98	103	5.0	110	112	1.8	70 - 130	30	
4-Chlorotoluene	ND	1.0	99	103	4.0	109	110	0.9	70 - 130	30	
4-Methyl-2-pentanone	ND	5.0	94	95	1.1	92	97	5.3	70 - 130	30	
Acetone	ND	5.0	92	91	1.1	101	101	0.0	70 - 130	30	
Acrolein	ND	5.0	106	104	1.9	100	101	1.0	70 - 130	30	
Acrylonitrile	ND	5.0	105	108	2.8	105	111	5.6	70 - 130	30	
Benzene	ND	0.70	101	105	3.9	113	115	1.8	70 - 130	30	
Bromobenzene	ND	1.0	102	106	3.8	111	113	1.8	70 - 130	30	
Bromochloromethane	ND	1.0	104	109	4.7	111	114	2.7	70 - 130	30	
Bromodichloromethane	ND	0.50	100	105	4.9	108	111	2.7	70 - 130	30	
Bromoform	ND	1.0	105	105	0.0	101	104	2.9	70 - 130	30	
Bromomethane	ND	1.0	117	125	6.6	75	115	42.1	70 - 130	30	r
Carbon Disulfide	ND	1.0	104	108	3.8	116	119	2.6	70 - 130	30	
Carbon tetrachloride	ND	1.0	101	105	3.9	106	109	2.8	70 - 130	30	
Chlorobenzene	ND	1.0	100	104	3.9	110	113	2.7	70 - 130	30	
Chloroethane	ND	1.0	98	104	5.9	108	112	3.6	70 - 130	30	
Chloroform	ND	1.0	101	105	3.9	113	116	2.6	70 - 130	30	
Chloromethane	ND	1.0	96	102	6.1	102	109	6.6	70 - 130	30	
cis-1,2-Dichloroethene	ND	1.0	100	103	3.0	NC	NC	NC	70 - 130	30	
cis-1,3-Dichloropropene	ND	0.40	105	108	2.8	108	110	1.8	70 - 130	30	
Dibromochloromethane	ND	0.50	106	107	0.9	107	111	3.7	70 - 130	30	
Dibromomethane	ND	1.0	99	102	3.0	104	107	2.8	70 - 130	30	
Dichlorodifluoromethane	ND	1.0	95	98	3.1	97	94	3.1	70 - 130	30	
Ethylbenzene	ND	1.0	101	105	3.9	113	116	2.6	70 - 130	30	
Hexachlorobutadiene	ND	0.40	104	110	5.6	106	110	3.7	70 - 130	30	
Isopropylbenzene	ND	1.0	98	102	4.0	110	112	1.8	70 - 130	30	
m&p-Xylene	ND	1.0	101	104	2.9	111	115	3.5	70 - 130	30	
Methyl ethyl ketone	ND	5.0	95	94	1.1	96	101	5.1	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	105	108	2.8	110	112	1.8	70 - 130	30	
Methylene chloride	ND	1.0	94	98	4.2	105	106	0.9	70 - 130	30	
Naphthalene	ND	1.0	106	114	7.3	92	111	18.7	70 - 130	30	
n-Butylbenzene	ND	1.0	101	106	4.8	114	115	0.9	70 - 130	30	
n-Propylbenzene	ND	1.0	98	103	5.0	109	112	2.7	70 - 130	30	
o-Xylene	ND	1.0	102	106	3.8	112	117	4.4	70 - 130	30	
p-Isopropyltoluene	ND	1.0	101	105	3.9	113	114	0.9	70 - 130	30	
sec-Butylbenzene	ND	1.0	102	106	3.8	116	118	1.7	70 - 130	30	
Styrene	ND	1.0	104	107	2.8	112	117	4.4	70 - 130	30	
tert-Butylbenzene	ND	1.0	98	102	4.0	111	113	1.8	70 - 130	30	
Tetrachloroethene	ND	1.0	102	106	3.8	NC	NC	NC	70 - 130	30	
Tetrahydrofuran (THF)	ND	2.5	99	99	0.0	99	102	3.0	70 - 130	30	
Toluene	ND	1.0	101	105	3.9	112	115	2.6	70 - 130	30	
trans-1,2-Dichloroethene	ND	1.0	101	104	2.9	114	115	0.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.40	101	103	2.0	102	105	2.9	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	102	107	4.8	80	83	3.7	70 - 130	30	

QA/QC Data

SDG I.D.: GBZ61091

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Trichloroethene	ND	1.0	101	106	4.8	<10	<10	NC	70 - 130	30	m
Trichlorofluoromethane	ND	1.0	94	99	5.2	104	105	1.0	70 - 130	30	
Trichlorotrifluoroethane	ND	1.0	104	105	1.0	103	102	1.0	70 - 130	30	
Vinyl chloride	ND	1.0	99	102	3.0	107	112	4.6	70 - 130	30	
% 1,2-dichlorobenzene-d4	98	%	97	99	2.0	100	100	0.0	70 - 130	30	
% Bromofluorobenzene	96	%	101	101	0.0	101	103	2.0	70 - 130	30	
% Dibromofluoromethane	104	%	101	101	0.0	98	101	3.0	70 - 130	30	
% Toluene-d8	98	%	99	100	1.0	100	100	0.0	70 - 130	30	

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
January 03, 2018

Wednesday, January 03, 2018

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GBZ61091 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BZ61091	$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	25	1.0	5	5	ug/L
BZ61091	$8260DP25R	Trichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	79	20	5	5	ug/L
BZ61091	$8260DP25R	Trichloroethene	NY / TOGS - Water Quality / GA Criteria	79	20	5	5	ug/L
BZ61091	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BZ61091	$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	170	20	5	5	ug/L
BZ61091	$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	170	20	5	5	ug/L
BZ61091	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BZ61091	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BZ61092	$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	20	1.0	5	5	ug/L
BZ61092	$8260DP25R	Trichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	13	1.0	5	5	ug/L
BZ61092	$8260DP25R	Trichloroethene	NY / TOGS - Water Quality / GA Criteria	13	1.0	5	5	ug/L
BZ61092	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BZ61092	$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	94	10	5	5	ug/L
BZ61092	$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	94	10	5	5	ug/L
BZ61092	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BZ61092	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BZ61093	$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	160	20	5	5	ug/L
BZ61093	$8260DP25R	Trichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	29	20	5	5	ug/L
BZ61093	$8260DP25R	Trichloroethene	NY / TOGS - Water Quality / GA Criteria	29	20	5	5	ug/L
BZ61093	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BZ61093	$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	79	20	5	5	ug/L
BZ61093	$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	79	20	5	5	ug/L
BZ61093	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BZ61093	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BZ61094	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BZ61094	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BZ61094	$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

January 03, 2018

SDG I.D.: GBZ61091

The samples in this delivery group were received at 3.1°C.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes ☑ No ☐
Coolant: IPK ☑ ICE ☐ No ☐
Temp 3.1°C Pg 1 of 1

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

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

Customer: EBC
Address: 1808 Middle Country Rd Ridge, NY, 11961

Project: 39-40 30th St, Queens
Report to: EBC
Invoice to: EBC

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Meggan Lenner Date: 12/14/17

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

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request: VOCs 8260	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 [ ] 1000ml	PL HNO3 250ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
L61091	MW3	GW	12/14/17		X				3							
L61092	MW4	GW	12/14/17		X				3							
	MW4	GW	12/14/17		X				3							
	MW4	GW	12/14/17		X				3							
L61093	MW Duplicate	GW	12/14/17		X				3							
L61094	Trip Blanks				X				2							

Relinquished by:	Accepted by:	Date:	Time:
		12-15	12:15
		12-15-17	15:56

Comments, Special Requirements or Regulations:

* Run MS/MSD on MW4

* Need TOGS GA GW

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
☐ Impact to GW soil screen Criteria
☐ GW Criteria

What State were samples collected? NY

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

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

APPENDIX C

Soil Vapor Laboratory Reports

PHOENIX
Environmental Laboratories, Inc.

Wednesday, December 20, 2017

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: BZ61075 - BZ61081

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

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

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

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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
VT Lab Registration #VT11301

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Environmental Business Consultants

Project: 39-40 30TH ST QUEENS

Laboratory Project: GBZ61075

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

December 20, 2017 **SDG I.D.: GBZ61075**

Environmental Business Consultants 39-40 30TH ST QUEENS

Methodology Summary

Volatiles in Air

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air: Method TO-15, Second Edition, U. S. Environmental Protection Agency, January 1999.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
IA4	BZ61075	AIR
IA5	BZ61076	AIR
IA3	BZ61077	AIR
IA2	BZ61078	AIR
IA1	BZ61079	AIR
OA1	BZ61080	AIR
IA6	BZ61081	AIR

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

December 20, 2017 **SDG I.D.: GBZ61075**

Environmental Business Consultants 39-40 30TH ST QUEENS

Laboratory Chronicle

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
BZ61075	Volatiles (TO15)	12/14/17	12/15/17	12/15/17	KCA	Y
BZ61076	Volatiles (TO15)	12/14/17	12/15/17	12/15/17	KCA	Y
BZ61077	Volatiles (TO15)	12/14/17	12/15/17	12/15/17	KCA	Y
BZ61078	Volatiles (TO15)	12/14/17	12/15/17	12/15/17	KCA	Y
BZ61079	Volatiles (TO15)	12/14/17	12/15/17	12/15/17	KCA	Y
BZ61080	Volatiles (TO15)	12/14/17	12/15/17	12/15/17	KCA	Y
BZ61081	Volatiles (TO15)	12/14/17	12/15/17	12/15/17	KCA	Y

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 20, 2017

SDG I.D.: GBZ61075

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 20, 2017

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:		12/14/17	17:55
Location Code:	EBC	Received by:	LB	12/15/17	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	21370				

Laboratory Data

SDG ID: GBZ61075
Phoenix ID: BZ61075

Project ID: 39-40 30TH 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	12/15/17	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	12/15/17	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2,4-Trimethylbenzene	0.286	*0.204*	0.204	1.41	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	12/15/17	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Ethyltoluene	0.282	*0.204*	0.204	1.39	*1.00*	1.00	12/15/17	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.258	*0.244*	0.244	1.06	*1.00*	1.00	12/15/17	KCA	1	
Acetone	9.00	*0.421*	0.421	21.4	*1.00*	1.00	12/15/17	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	12/15/17	KCA	1	
Benzene	0.418	*0.313*	0.313	1.33	*1.00*	1.00	12/15/17	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	12/15/17	KCA	1	

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

Phoenix I.D.: BZ61075

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	12/15/17	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	12/15/17	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	12/15/17	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	12/15/17	KCA	1	
Carbon Tetrachloride	0.082		*0.032*	0.032	0.52	*0.20*	0.20	12/15/17	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloromethane	0.625		*0.485*	0.485	1.29	*1.00*	1.00	12/15/17	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/15/17	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/17	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	12/15/17	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	12/15/17	KCA	1	
Dichlorodifluoromethane	0.538		*0.202*	0.202	2.66	*1.00*	1.00	12/15/17	KCA	1	
Ethanol	185	E	*0.531*	0.531	348	*1.00*	1.00	12/15/17	KCA	1	1
Ethyl acetate	0.597		*0.278*	0.278	2.15	*1.00*	1.00	12/15/17	KCA	1	1
Ethylbenzene	0.358		*0.230*	0.230	1.55	*1.00*	1.00	12/15/17	KCA	1	
Heptane	0.544		*0.244*	0.244	2.23	*1.00*	1.00	12/15/17	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	12/15/17	KCA	1	
Hexane	0.528	S	*0.284*	0.284	1.86	*1.00*	1.00	12/15/17	KCA	1	
Isopropylalcohol	6.04		*0.407*	0.407	14.8	*1.00*	1.00	12/15/17	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	
m,p-Xylene	1.18		*0.230*	0.230	5.12	*1.00*	1.00	12/15/17	KCA	1	
Methyl Ethyl Ketone	1.36		*0.339*	0.339	4.01	*1.00*	1.00	12/15/17	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/17	KCA	1	
Methylene Chloride	ND		*0.864*	0.864	ND	*3.00*	3.00	12/15/17	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
o-Xylene	0.429		*0.230*	0.230	1.86	*1.00*	1.00	12/15/17	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	12/15/17	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	12/15/17	KCA	1	
Tetrachloroethene	0.343		*0.037*	0.037	2.32	*0.25*	0.25	12/15/17	KCA	1	
Tetrahydrofuran	0.769		*0.339*	0.339	2.27	*1.00*	1.00	12/15/17	KCA	1	1
Toluene	6.54		*0.266*	0.266	24.6	*1.00*	1.00	12/15/17	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/15/17	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/17	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	12/15/17	KCA	1	
Trichlorofluoromethane	0.313		*0.178*	0.178	1.76	*1.00*	1.00	12/15/17	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	12/15/17	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	12/15/17	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	96		*%*	%	96	*%*	%	12/15/17	KCA	1	

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

Phoenix I.D.: BZ61075

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 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.
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Phyllis Shiller, Laboratory Director
December 20, 2017
Reviewed and Released by: Jon Carlson, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 20, 2017

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:		12/14/17	17:50
Location Code:	EBC	Received by:	LB	12/15/17	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	19589				

Laboratory Data

SDG ID: GBZ61075
Phoenix ID: BZ61076

Project ID: 39-40 30TH 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	12/15/17	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	12/15/17	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2,4-Trimethylbenzene	0.287	*0.204*	0.204	1.41	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	12/15/17	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Ethyltoluene	0.268	*0.204*	0.204	1.32	*1.00*	1.00	12/15/17	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.549	*0.244*	0.244	2.25	*1.00*	1.00	12/15/17	KCA	1	
Acetone	11.9	*0.421*	0.421	28.3	*1.00*	1.00	12/15/17	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	12/15/17	KCA	1	
Benzene	0.417	*0.313*	0.313	1.33	*1.00*	1.00	12/15/17	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	12/15/17	KCA	1	

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

Phoenix I.D.: BZ61076

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	12/15/17	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	12/15/17	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	12/15/17	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	12/15/17	KCA	1	
Carbon Tetrachloride	0.078		*0.032*	0.032	0.49	*0.20*	0.20	12/15/17	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloromethane	0.654		*0.485*	0.485	1.35	*1.00*	1.00	12/15/17	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/15/17	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/17	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	12/15/17	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	12/15/17	KCA	1	
Dichlorodifluoromethane	0.515		*0.202*	0.202	2.55	*1.00*	1.00	12/15/17	KCA	1	
Ethanol	235	E	*0.531*	0.531	443	*1.00*	1.00	12/15/17	KCA	1	1
Ethyl acetate	0.966		*0.278*	0.278	3.48	*1.00*	1.00	12/15/17	KCA	1	1
Ethylbenzene	0.342		*0.230*	0.230	1.48	*1.00*	1.00	12/15/17	KCA	1	
Heptane	0.717		*0.244*	0.244	2.94	*1.00*	1.00	12/15/17	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	12/15/17	KCA	1	
Hexane	0.514	S	*0.284*	0.284	1.81	*1.00*	1.00	12/15/17	KCA	1	
Isopropylalcohol	11.6		*0.407*	0.407	28.5	*1.00*	1.00	12/15/17	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	
m,p-Xylene	1.16		*0.230*	0.230	5.03	*1.00*	1.00	12/15/17	KCA	1	
Methyl Ethyl Ketone	1.25		*0.339*	0.339	3.68	*1.00*	1.00	12/15/17	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/17	KCA	1	
Methylene Chloride	ND		*0.864*	0.864	ND	*3.00*	3.00	12/15/17	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
o-Xylene	0.397		*0.230*	0.230	1.72	*1.00*	1.00	12/15/17	KCA	1	
Propylene	2.40		*0.581*	0.581	4.13	*1.00*	1.00	12/15/17	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	12/15/17	KCA	1	
Tetrachloroethene	0.316		*0.037*	0.037	2.14	*0.25*	0.25	12/15/17	KCA	1	
Tetrahydrofuran	0.566		*0.339*	0.339	1.67	*1.00*	1.00	12/15/17	KCA	1	1
Toluene	5.40		*0.266*	0.266	20.3	*1.00*	1.00	12/15/17	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/15/17	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/17	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	12/15/17	KCA	1	
Trichlorofluoromethane	0.316		*0.178*	0.178	1.77	*1.00*	1.00	12/15/17	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	12/15/17	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	12/15/17	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	93		*%*	%	93	*%*	%	12/15/17	KCA	1	

Ver 2

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

Phoenix I.D.: BZ61076

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 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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
December 20, 2017
Reviewed and Released by: Jon Carlson, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 20, 2017

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:		12/14/17	17:00
Location Code:	EBC	Received by:	LB	12/15/17	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	23352				

Laboratory Data

SDG ID: GBZ61075
Phoenix ID: BZ61077

Project ID: 39-40 30TH 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	12/15/17	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	12/15/17	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2,4-Trimethylbenzene	0.265	*0.204*	0.204	1.30	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	12/15/17	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Ethyltoluene	0.286	*0.204*	0.204	1.41	*1.00*	1.00	12/15/17	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/15/17	KCA	1	
Acetone	7.90	*0.421*	0.421	18.8	*1.00*	1.00	12/15/17	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	12/15/17	KCA	1	
Benzene	0.383	*0.313*	0.313	1.22	*1.00*	1.00	12/15/17	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	12/15/17	KCA	1	

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

Phoenix I.D.: BZ61077

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	12/15/17	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	12/15/17	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	12/15/17	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	12/15/17	KCA	1	
Carbon Tetrachloride	0.075		*0.032*	0.032	0.47	*0.20*	0.20	12/15/17	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloromethane	0.661		*0.485*	0.485	1.36	*1.00*	1.00	12/15/17	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/15/17	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/17	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	12/15/17	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	12/15/17	KCA	1	
Dichlorodifluoromethane	0.484		*0.202*	0.202	2.39	*1.00*	1.00	12/15/17	KCA	1	
Ethanol	60.5	E	*0.531*	0.531	114	*1.00*	1.00	12/15/17	KCA	1	1
Ethyl acetate	0.522		*0.278*	0.278	1.88	*1.00*	1.00	12/15/17	KCA	1	1
Ethylbenzene	0.367		*0.230*	0.230	1.59	*1.00*	1.00	12/15/17	KCA	1	
Heptane	0.392		*0.244*	0.244	1.61	*1.00*	1.00	12/15/17	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	12/15/17	KCA	1	
Hexane	0.563	S	*0.284*	0.284	1.98	*1.00*	1.00	12/15/17	KCA	1	
Isopropylalcohol	2.41		*0.407*	0.407	5.92	*1.00*	1.00	12/15/17	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	
m,p-Xylene	1.20		*0.230*	0.230	5.21	*1.00*	1.00	12/15/17	KCA	1	
Methyl Ethyl Ketone	1.31		*0.339*	0.339	3.86	*1.00*	1.00	12/15/17	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/17	KCA	1	
Methylene Chloride	ND		*0.864*	0.864	ND	*3.00*	3.00	12/15/17	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
o-Xylene	0.441		*0.230*	0.230	1.91	*1.00*	1.00	12/15/17	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	12/15/17	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	12/15/17	KCA	1	
Tetrachloroethene	0.345		*0.037*	0.037	2.34	*0.25*	0.25	12/15/17	KCA	1	
Tetrahydrofuran	0.936		*0.339*	0.339	2.76	*1.00*	1.00	12/15/17	KCA	1	1
Toluene	7.16		*0.266*	0.266	27.0	*1.00*	1.00	12/15/17	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/15/17	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/17	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	12/15/17	KCA	1	
Trichlorofluoromethane	0.251		*0.178*	0.178	1.41	*1.00*	1.00	12/15/17	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	12/15/17	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	12/15/17	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	96		*%*	%	96	*%*	%	12/15/17	KCA	1	

Ver 2

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

Phoenix I.D.: BZ61077

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 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.
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Phyllis Shiller, Laboratory Director
December 20, 2017
Reviewed and Released by: Jon Carlson, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 20, 2017

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:		12/14/17	17:03
Location Code:	EBC	Received by:	LB	12/15/17	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	12855				

Laboratory Data

SDG ID: GBZ61075
Phoenix ID: BZ61078

Project ID: 39-40 30TH 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	12/15/17	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	12/15/17	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2,4-Trimethylbenzene	0.253	*0.204*	0.204	1.24	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	12/15/17	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Ethyltoluene	0.271	*0.204*	0.204	1.33	*1.00*	1.00	12/15/17	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.247	*0.244*	0.244	1.01	*1.00*	1.00	12/15/17	KCA	1	
Acetone	7.69	*0.421*	0.421	18.3	*1.00*	1.00	12/15/17	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	12/15/17	KCA	1	
Benzene	0.378	*0.313*	0.313	1.21	*1.00*	1.00	12/15/17	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	12/15/17	KCA	1	

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

Phoenix I.D.: BZ61078

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	12/15/17	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	12/15/17	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	12/15/17	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	12/15/17	KCA	1	
Carbon Tetrachloride	0.076		*0.032*	0.032	0.48	*0.20*	0.20	12/15/17	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloromethane	0.651		*0.485*	0.485	1.34	*1.00*	1.00	12/15/17	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/15/17	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/17	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	12/15/17	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	12/15/17	KCA	1	
Dichlorodifluoromethane	0.507		*0.202*	0.202	2.51	*1.00*	1.00	12/15/17	KCA	1	
Ethanol	40.1	E	*0.531*	0.531	75.5	*1.00*	1.00	12/15/17	KCA	1	1
Ethyl acetate	0.576		*0.278*	0.278	2.07	*1.00*	1.00	12/15/17	KCA	1	1
Ethylbenzene	0.378		*0.230*	0.230	1.64	*1.00*	1.00	12/15/17	KCA	1	
Heptane	0.380		*0.244*	0.244	1.56	*1.00*	1.00	12/15/17	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	12/15/17	KCA	1	
Hexane	0.548	S	*0.284*	0.284	1.93	*1.00*	1.00	12/15/17	KCA	1	
Isopropylalcohol	2.27		*0.407*	0.407	5.58	*1.00*	1.00	12/15/17	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	
m,p-Xylene	1.27		*0.230*	0.230	5.51	*1.00*	1.00	12/15/17	KCA	1	
Methyl Ethyl Ketone	1.41		*0.339*	0.339	4.16	*1.00*	1.00	12/15/17	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/17	KCA	1	
Methylene Chloride	ND		*0.864*	0.864	ND	*3.00*	3.00	12/15/17	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
o-Xylene	0.453		*0.230*	0.230	1.97	*1.00*	1.00	12/15/17	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	12/15/17	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	12/15/17	KCA	1	
Tetrachloroethene	0.356		*0.037*	0.037	2.41	*0.25*	0.25	12/15/17	KCA	1	
Tetrahydrofuran	0.843		*0.339*	0.339	2.48	*1.00*	1.00	12/15/17	KCA	1	1
Toluene	7.79		*0.266*	0.266	29.3	*1.00*	1.00	12/15/17	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/15/17	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/17	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	12/15/17	KCA	1	
Trichlorofluoromethane	0.243		*0.178*	0.178	1.36	*1.00*	1.00	12/15/17	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	12/15/17	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	12/15/17	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	92		*%*	%	92	*%*	%	12/15/17	KCA	1	

Ver 2

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

Phoenix I.D.: BZ61078

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 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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
December 20, 2017
Reviewed and Released by: Jon Carlson, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 20, 2017

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:		12/14/17	17:58
Location Code:	EBC	Received by:	LB	12/15/17	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	23336				

Laboratory Data

SDG ID: GBZ61075
Phoenix ID: BZ61079

Project ID: 39-40 30TH 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	12/15/17	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	12/15/17	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2,4-Trimethylbenzene	0.279	*0.204*	0.204	1.37	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	12/15/17	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Ethyltoluene	0.279	*0.204*	0.204	1.37	*1.00*	1.00	12/15/17	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.319	*0.244*	0.244	1.31	*1.00*	1.00	12/15/17	KCA	1	
Acetone	8.83	*0.421*	0.421	21.0	*1.00*	1.00	12/15/17	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	12/15/17	KCA	1	
Benzene	0.410	*0.313*	0.313	1.31	*1.00*	1.00	12/15/17	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	12/15/17	KCA	1	

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

Phoenix I.D.: BZ61079

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	12/15/17	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	12/15/17	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	12/15/17	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	12/15/17	KCA	1	
Carbon Tetrachloride	0.075		*0.032*	0.032	0.47	*0.20*	0.20	12/15/17	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloromethane	0.555		*0.485*	0.485	1.15	*1.00*	1.00	12/15/17	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/15/17	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/17	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	12/15/17	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	12/15/17	KCA	1	
Dichlorodifluoromethane	0.504		*0.202*	0.202	2.49	*1.00*	1.00	12/15/17	KCA	1	
Ethanol	105	E	*0.531*	0.531	198	*1.00*	1.00	12/15/17	KCA	1	1
Ethyl acetate	0.725		*0.278*	0.278	2.61	*1.00*	1.00	12/15/17	KCA	1	1
Ethylbenzene	0.362		*0.230*	0.230	1.57	*1.00*	1.00	12/15/17	KCA	1	
Heptane	0.546		*0.244*	0.244	2.24	*1.00*	1.00	12/15/17	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	12/15/17	KCA	1	
Hexane	0.498	S	*0.284*	0.284	1.75	*1.00*	1.00	12/15/17	KCA	1	
Isopropylalcohol	5.41		*0.407*	0.407	13.3	*1.00*	1.00	12/15/17	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	
m,p-Xylene	1.27		*0.230*	0.230	5.51	*1.00*	1.00	12/15/17	KCA	1	
Methyl Ethyl Ketone	1.35		*0.339*	0.339	3.98	*1.00*	1.00	12/15/17	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/17	KCA	1	
Methylene Chloride	ND		*0.864*	0.864	ND	*3.00*	3.00	12/15/17	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
o-Xylene	0.445		*0.230*	0.230	1.93	*1.00*	1.00	12/15/17	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	12/15/17	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	12/15/17	KCA	1	
Tetrachloroethene	0.347		*0.037*	0.037	2.35	*0.25*	0.25	12/15/17	KCA	1	
Tetrahydrofuran	0.680		*0.339*	0.339	2.00	*1.00*	1.00	12/15/17	KCA	1	1
Toluene	7.43		*0.266*	0.266	28.0	*1.00*	1.00	12/15/17	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/15/17	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/17	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	12/15/17	KCA	1	
Trichlorofluoromethane	0.275		*0.178*	0.178	1.54	*1.00*	1.00	12/15/17	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	12/15/17	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	12/15/17	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	92		*%*	%	92	*%*	%	12/15/17	KCA	1	

Ver 2

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

Phoenix I.D.: BZ61079

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 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.
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Phyllis Shiller, Laboratory Director
December 20, 2017
Reviewed and Released by: Jon Carlson, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 20, 2017

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:		12/14/17	17:11
Location Code:	EBC	Received by:	LB	12/15/17	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	12864				

Laboratory Data

SDG ID: GBZ61075
Phoenix ID: BZ61080

Project ID: 39-40 30TH ST QUEENS
Client ID: OA1

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	12/15/17	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/15/17	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2,4-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichlorotetrafluoroethane	ND		*0.143*	0.143	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/17	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	12/15/17	KCA	1	
Acetone	2.35	S	*0.421*	0.421	5.58	*1.00*	1.00	12/15/17	KCA	1	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	12/15/17	KCA	1	
Benzene	ND		*0.313*	0.313	ND	*1.00*	1.00	12/15/17	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	12/15/17	KCA	1	

Project ID: 39-40 30TH ST QUEENS
Client ID: OA1

Phoenix I.D.: BZ61080

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	12/15/17	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	12/15/17	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	12/15/17	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	12/15/17	KCA	1	
Carbon Tetrachloride	0.078		*0.032*	0.032	0.49	*0.20*	0.20	12/15/17	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloromethane	0.589		*0.485*	0.485	1.22	*1.00*	1.00	12/15/17	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/15/17	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/17	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	12/15/17	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	12/15/17	KCA	1	
Dichlorodifluoromethane	0.499		*0.202*	0.202	2.47	*1.00*	1.00	12/15/17	KCA	1	
Ethanol	7.14		*0.531*	0.531	13.4	*1.00*	1.00	12/15/17	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/17	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND	*1.00*	1.00	12/15/17	KCA	1	
Heptane	0.374		*0.244*	0.244	1.53	*1.00*	1.00	12/15/17	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	12/15/17	KCA	1	
Hexane	0.353	S	*0.284*	0.284	1.24	*1.00*	1.00	12/15/17	KCA	1	
Isopropylalcohol	0.828		*0.407*	0.407	2.03	*1.00*	1.00	12/15/17	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	
m,p-Xylene	0.551		*0.230*	0.230	2.39	*1.00*	1.00	12/15/17	KCA	1	
Methyl Ethyl Ketone	0.641		*0.339*	0.339	1.89	*1.00*	1.00	12/15/17	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/17	KCA	1	
Methylene Chloride	ND		*0.864*	0.864	ND	*3.00*	3.00	12/15/17	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
o-Xylene	ND		*0.230*	0.230	ND	*1.00*	1.00	12/15/17	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	12/15/17	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	12/15/17	KCA	1	
Tetrachloroethene	0.112		*0.037*	0.037	0.76	*0.25*	0.25	12/15/17	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	12/15/17	KCA	1	1
Toluene	1.06		*0.266*	0.266	3.99	*1.00*	1.00	12/15/17	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/15/17	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/17	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	12/15/17	KCA	1	
Trichlorofluoromethane	0.246		*0.178*	0.178	1.38	*1.00*	1.00	12/15/17	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	12/15/17	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	12/15/17	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	93		*%*	%	93	*%*	%	12/15/17	KCA	1	

Ver 2

Project ID: 39-40 30TH ST QUEENS
Client ID: OA1

Phoenix I.D.: BZ61080

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 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 20, 2017

Reviewed and Released by: Jon Carlson, Project Manager

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 20, 2017

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:		12/14/17	17:48
Location Code:	EBC	Received by:	LB	12/15/17	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	488				

Laboratory Data

SDG ID: GBZ61075
Phoenix ID: BZ61081

Project ID: 39-40 30TH 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	12/15/17	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/15/17	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	12/15/17	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2,4-Trimethylbenzene	0.271	*0.204*	0.204	1.33	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	12/15/17	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	12/15/17	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	12/15/17	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	12/15/17	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Ethyltoluene	0.278	*0.204*	0.204	1.37	*1.00*	1.00	12/15/17	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.447	*0.244*	0.244	1.83	*1.00*	1.00	12/15/17	KCA	1	
Acetone	11.3	*0.421*	0.421	26.8	*1.00*	1.00	12/15/17	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	12/15/17	KCA	1	
Benzene	0.400	*0.313*	0.313	1.28	*1.00*	1.00	12/15/17	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	12/15/17	KCA	1	

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

Phoenix I.D.: BZ61081

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	12/15/17	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	12/15/17	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	12/15/17	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	12/15/17	KCA	1	
Carbon Tetrachloride	0.080		*0.032*	0.032	0.50	*0.20*	0.20	12/15/17	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	12/15/17	KCA	1	
Chloromethane	0.823		*0.485*	0.485	1.70	*1.00*	1.00	12/15/17	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	12/15/17	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/17	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	12/15/17	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	12/15/17	KCA	1	
Dichlorodifluoromethane	0.516		*0.202*	0.202	2.55	*1.00*	1.00	12/15/17	KCA	1	
Ethanol	218	E	*0.531*	0.531	410	*1.00*	1.00	12/15/17	KCA	1	1
Ethyl acetate	0.951		*0.278*	0.278	3.42	*1.00*	1.00	12/15/17	KCA	1	1
Ethylbenzene	0.350		*0.230*	0.230	1.52	*1.00*	1.00	12/15/17	KCA	1	
Heptane	0.683		*0.244*	0.244	2.80	*1.00*	1.00	12/15/17	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	12/15/17	KCA	1	
Hexane	0.525	S	*0.284*	0.284	1.85	*1.00*	1.00	12/15/17	KCA	1	
Isopropylalcohol	10.7		*0.407*	0.407	26.3	*1.00*	1.00	12/15/17	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	
m,p-Xylene	1.17		*0.230*	0.230	5.08	*1.00*	1.00	12/15/17	KCA	1	
Methyl Ethyl Ketone	1.23		*0.339*	0.339	3.63	*1.00*	1.00	12/15/17	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/17	KCA	1	
Methylene Chloride	ND		*0.864*	0.864	ND	*3.00*	3.00	12/15/17	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
o-Xylene	0.407		*0.230*	0.230	1.77	*1.00*	1.00	12/15/17	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	12/15/17	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	12/15/17	KCA	1	
Tetrachloroethene	0.330		*0.037*	0.037	2.24	*0.25*	0.25	12/15/17	KCA	1	
Tetrahydrofuran	0.584		*0.339*	0.339	1.72	*1.00*	1.00	12/15/17	KCA	1	1
Toluene	5.49		*0.266*	0.266	20.7	*1.00*	1.00	12/15/17	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/15/17	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/17	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	12/15/17	KCA	1	
Trichlorofluoromethane	0.311		*0.178*	0.178	1.75	*1.00*	1.00	12/15/17	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	12/15/17	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	12/15/17	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	95		*%*	%	95	*%*	%	12/15/17	KCA	1	

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

Phoenix I.D.: BZ61081

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 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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
December 20, 2017
Reviewed and Released by: Jon Carlson, Project Manager

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

QA/QC Report

December 20, 2017

QA/QC Data

SDG I.D.: GBZ61075

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 413463 (ppbv), QC Sample No: BZ61068 (BZ61075, BZ61076, BZ61077, BZ61078, BZ61079, BZ61080, BZ61081)												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	108	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	117	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	109	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	99	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	100	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	116	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	117	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	96	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	108	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	117	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	107	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	95	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	120	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	118	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	112	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	112	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	111	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	105	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	108	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	89	10.6	10.6	4.47	4.45	0.4	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	102	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	105	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	125	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	108	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	103	0.45	0.47	0.071	0.074	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	112	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	105	2.02	1.85	0.979	0.898	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	100	1.45	1.51	0.366	0.380	3.8	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	118	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	113	2.39	2.50	0.483	0.506	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	96	20.1	20.5	10.7	10.9	1.9	70 - 130	25

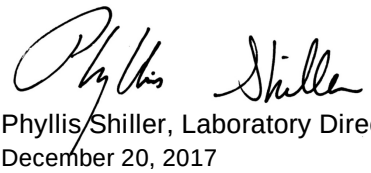
QA/QC Data

SDG I.D.: GBZ61075

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethyl acetate	ND	0.280	ND	1.01	97	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	97	2.91 S	2.97 S	0.826 S	0.842 S	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	94	1.71	1.81	0.695	0.735	NC	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	116	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	113	1.84	1.89	0.424	0.436	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	105	1.36	1.38	0.463	0.469	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	102	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	97	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	105	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	109	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	108	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	114	43.3	43.7	6.39	6.45	0.9	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	94	1.08	1.04	0.366	0.352	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	108	2.43	2.55	0.644	0.676	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	97	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	108	2.35	2.40	0.438	0.447	2.0	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	106	1.91	1.94	0.340	0.345	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	102	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	101		101		97	95	99	95	99	NC	70 - 130	25

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference



Phyllis Shiller, Laboratory Director
December 20, 2017

Wednesday, December 20, 2017

Criteria: None

State: NY

Sample Criteria Exceedances Report

GBZ61075 - 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 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.

CHAIN OF CUSTODY RECORD
AIR ANALYSES

PHOENIX Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823
800-827-5426
email: greg@phoenixlabs.com

P.O. # | Page 1 of 1

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

Report to: Tom Gallo
Customer: EBC
Address:

Invoice to: EBC
1808 Middle County Rd
Ridge, NY.
Sampled by: Meagan Lenna

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)	MATRIX: Ambient/Indoor Air	MATRIX: Soil Gas	MATRIX: Grab (G) Composite (C)	ANALYSES: TO-14	ANALYSES: TO-15
		THIS SECTION FOR LAB USE ONLY															
61075	IA4	21370	6.0L		-5	03257	10.8	9:43	5:55	12/14/17	-30	-5	X				X
61076	IA5	19589			-5	04960		9:45	5:50	12/14/17	-30	-5	X				X
61077	IA3	23352			-6	05387		9:37	5:00	12/14/17	-28	-4	X				X
61078	IA2	12855			-4	05396		9:37	5:03 pm	12/14/17	-30	-4	X				X
61079	IA1	23336			-4	05646		9:37	5:58	12/14/17	-30	-4	X				X
		362				03252											
61080	6A1	12864			-5	05539		9:50	5:11 pm	12/14/17	-27	-4	X				X
61081	IA6	488			-6	04499		9:52	5:48	12/14/17	-30	-4	X				X
		12872	↓			05040	↓										
	(9) 6.0L 8HR																

Relinquished by:	Accepted by:	Date:	Time:
		12-15-17	12:15
		12-15-17	15:50

Data Format:
Excel ☑ Equis ☑ GISKey ☐
PDF ☑ Other: ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

Requested Criteria

Quote Number:

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:

PHOENIX
Environmental Laboratories, Inc.

Thursday, December 21, 2017

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: BZ61095 - BZ61096

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

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

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

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Environmental Business Consultants

Project: 39-40 30TH ST., QUEENS

Laboratory Project: GBZ61095

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

December 21, 2017 **SDG I.D.: GBZ61095**

Environmental Business Consultants 39-40 30TH ST., QUEENS

Methodology Summary

Volatiles in Air

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air: Method TO-15, Second Edition, U. S. Environmental Protection Agency, January 1999.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
PRE CARBON	BZ61095	TEDLAR BAG
POST CARBON	BZ61096	TEDLAR BAG

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

December 21, 2017 **SDG I.D.: GBZ61095**

Environmental Business Consultants 39-40 30TH ST., QUEENS

Laboratory Chronicle

Temperature narration is not applicable for Air matrices.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
BZ61095	Volatiles (TO15)	12/14/17	12/15/17	12/15/17	KCA	Y
BZ61096	Volatiles (TO15)	12/14/17	12/15/17	12/15/17	KCA	Y

Environmental Laboratories, Inc.
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NY # 11301

SDG Comments

December 21, 2017

SDG I.D.: GBZ61095

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 21, 2017

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:	ML	12/14/17	9:50
Location Code:	EBC	Received by:	LB	12/15/17	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBZ61095
Phoenix ID: BZ61095

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	12/15/17	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,1-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,2,4-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,2-Dichlorotetrafluoroethane	ND		*0.143*	0.143	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/17	KCA	1	1
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	12/15/17	KCA	1	1
Acetone	2.91	S	*0.421*	0.421	6.91	*1.00*	1.00	12/15/17	KCA	1	1
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	12/15/17	KCA	1	1
Benzene	ND		*0.313*	0.313	ND	*1.00*	1.00	12/15/17	KCA	1	1
Bromodichloromethane	0.353		*0.149*	0.149	2.36	*1.00*	1.00	12/15/17	KCA	1	1
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	12/15/17	KCA	1	1
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	12/15/17	KCA	1	1
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	12/15/17	KCA	1	1
Carbon Tetrachloride	0.083		*0.040*	0.040	0.52	*0.25*	0.25	12/15/17	KCA	1	1

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

Phoenix I.D.: BZ61095

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	12/15/17	KCA	1	1
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	12/15/17	KCA	1	1
Chloroform	0.440		*0.205*	0.205	2.15	*1.00*	1.00	12/15/17	KCA	1	1
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	12/15/17	KCA	1	1
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/15/17	KCA	1	1
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/17	KCA	1	1
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	12/15/17	KCA	1	1
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	12/15/17	KCA	1	1
Dichlorodifluoromethane	0.466		*0.202*	0.202	2.30	*1.00*	1.00	12/15/17	KCA	1	1
Ethanol	9.39		*0.531*	0.531	17.7	*1.00*	1.00	12/15/17	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/17	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND	*1.00*	1.00	12/15/17	KCA	1	1
Heptane	ND		*0.244*	0.244	ND	*1.00*	1.00	12/15/17	KCA	1	1
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	12/15/17	KCA	1	1
Hexane	ND		*0.284*	0.284	ND	*1.00*	1.00	12/15/17	KCA	1	1
Isopropylalcohol	ND		*0.407*	0.407	ND	*1.00*	1.00	12/15/17	KCA	1	1
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	1
m,p-Xylene	0.425		*0.230*	0.230	1.84	*1.00*	1.00	12/15/17	KCA	1	1
Methyl Ethyl Ketone	ND		*0.339*	0.339	ND	*1.00*	1.00	12/15/17	KCA	1	1
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/17	KCA	1	1
Methylene Chloride	1.68	S	*0.288*	0.288	5.83	*1.00*	1.00	12/15/17	KCA	1	1
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
o-Xylene	ND		*0.230*	0.230	ND	*1.00*	1.00	12/15/17	KCA	1	1
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	12/15/17	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
Tetrachloroethene	38.9		*0.037*	0.037	264	*0.25*	0.25	12/15/17	KCA	1	1
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	12/15/17	KCA	1	1
Toluene	1.86		*0.266*	0.266	7.01	*1.00*	1.00	12/15/17	KCA	1	1
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/15/17	KCA	1	1
Trichloroethene	48.8	D	*0.233*	0.233	262	*1.25*	1.25	12/15/17	KCA	5	1
Trichlorofluoromethane	0.240		*0.178*	0.178	1.35	*1.00*	1.00	12/15/17	KCA	1	1
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	12/15/17	KCA	1	1
Vinyl Chloride	ND		*0.098*	0.098	ND	*0.25*	0.25	12/15/17	KCA	1	1
QA/QC Surrogates											
% Bromofluorobenzene	107		*%*	%	107	*%*	%	12/15/17	KCA	1	

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 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 21, 2017
Reviewed and Released by: Jon Carlson, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 21, 2017

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:	ML	12/14/17	9:53
Location Code:	EBC	Received by:	LB	12/15/17	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBZ61095
Phoenix ID: BZ61096

Project ID: 39-40 30TH ST., QUEENS
Client ID: POST 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	12/15/17	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,1-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,2,4-Trimethylbenzene	0.221		*0.204*	0.204	1.09	*1.00*	1.00	12/15/17	KCA	1	1
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,2-Dichlorotetrafluoroethane	ND		*0.143*	0.143	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	12/15/17	KCA	1	1
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/17	KCA	1	1
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	12/15/17	KCA	1	1
Acetone	3.31	S	*0.421*	0.421	7.86	*1.00*	1.00	12/15/17	KCA	1	1
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	12/15/17	KCA	1	1
Benzene	ND		*0.313*	0.313	ND	*1.00*	1.00	12/15/17	KCA	1	1
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	12/15/17	KCA	1	1
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	12/15/17	KCA	1	1
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	12/15/17	KCA	1	1
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	12/15/17	KCA	1	1
Carbon Tetrachloride	ND		*0.040*	0.040	ND	*0.25*	0.25	12/15/17	KCA	1	1

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

Phoenix I.D.: BZ61096

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	12/15/17	KCA	1	1
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	12/15/17	KCA	1	1
Chloroform	0.517		*0.205*	0.205	2.52	*1.00*	1.00	12/15/17	KCA	1	1
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	12/15/17	KCA	1	1
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/15/17	KCA	1	1
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	12/15/17	KCA	1	1
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	12/15/17	KCA	1	1
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	12/15/17	KCA	1	1
Dichlorodifluoromethane	0.496		*0.202*	0.202	2.45	*1.00*	1.00	12/15/17	KCA	1	1
Ethanol	10.1		*0.531*	0.531	19.0	*1.00*	1.00	12/15/17	KCA	1	1
Ethyl acetate	0.527		*0.278*	0.278	1.90	*1.00*	1.00	12/15/17	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND	*1.00*	1.00	12/15/17	KCA	1	1
Heptane	ND		*0.244*	0.244	ND	*1.00*	1.00	12/15/17	KCA	1	1
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	12/15/17	KCA	1	1
Hexane	ND		*0.284*	0.284	ND	*1.00*	1.00	12/15/17	KCA	1	1
Isopropylalcohol	1.46		*0.407*	0.407	3.59	*1.00*	1.00	12/15/17	KCA	1	1
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	12/15/17	KCA	1	1
m,p-Xylene	0.471		*0.230*	0.230	2.04	*1.00*	1.00	12/15/17	KCA	1	1
Methyl Ethyl Ketone	ND		*0.339*	0.339	ND	*1.00*	1.00	12/15/17	KCA	1	1
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	12/15/17	KCA	1	1
Methylene Chloride	1.32	S	*0.288*	0.288	4.58	*1.00*	1.00	12/15/17	KCA	1	1
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
o-Xylene	ND		*0.230*	0.230	ND	*1.00*	1.00	12/15/17	KCA	1	1
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	12/15/17	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	12/15/17	KCA	1	1
Tetrachloroethene	0.084		*0.037*	0.037	0.57	*0.25*	0.25	12/15/17	KCA	1	1
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	12/15/17	KCA	1	1
Toluene	1.13		*0.266*	0.266	4.26	*1.00*	1.00	12/15/17	KCA	1	1
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	12/15/17	KCA	1	1
Trichloroethene	0.798		*0.047*	0.047	4.29	*0.25*	0.25	12/15/17	KCA	1	1
Trichlorofluoromethane	0.237		*0.178*	0.178	1.33	*1.00*	1.00	12/15/17	KCA	1	1
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	12/15/17	KCA	1	1
Vinyl Chloride	ND		*0.098*	0.098	ND	*0.25*	0.25	12/15/17	KCA	1	1
QA/QC Surrogates											
% Bromofluorobenzene	101		*%*	%	101	*%*	%	12/15/17	KCA	1	

Ver 2

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

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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 21, 2017
Reviewed and Released by: Jon Carlson, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

December 21, 2017

QA/QC Data

SDG I.D.: GBZ61095

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 413457 (ppbv), QC Sample No: BZ61073 (BZ61095 (1X, 5X) , BZ61096)													
Volatiles													
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	95	ND	ND	ND	ND	NC	70 - 130	25	
1,1,1-Trichloroethane	ND	0.180	ND	0.98	102	ND	ND	ND	ND	NC	70 - 130	25	
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	99	ND	ND	ND	ND	NC	70 - 130	25	
1,1,2-Trichloroethane	ND	0.180	ND	0.98	101	ND	ND	ND	ND	NC	70 - 130	25	
1,1-Dichloroethane	ND	0.250	ND	1.01	96	ND	ND	ND	ND	NC	70 - 130	25	
1,1-Dichloroethene	ND	0.050	ND	0.20	98	ND	ND	ND	ND	NC	70 - 130	25	
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	104	359	398	73.1	81.0	10.3	70 - 130	25	
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dichloroethane	ND	0.250	ND	1.01	105	ND	ND	ND	ND	NC	70 - 130	25	
1,2-dichloropropane	ND	0.220	ND	1.02	97	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	99	ND	ND	ND	ND	NC	70 - 130	25	
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	102	196	212	39.8	43.2	8.2	70 - 130	25	
1,3-Butadiene	ND	0.450	ND	0.99	96	ND	ND	ND	ND	NC	70 - 130	25	
1,4-Dioxane	ND	0.280	ND	1.01	102	ND	ND	ND	ND	NC	70 - 130	25	
2-Hexanone(MBK)	ND	0.240	ND	0.98	108	ND	ND	ND	ND	NC	70 - 130	25	
4-Ethyltoluene	ND	0.200	ND	0.98	103	134	184	27.3	37.4	31.2	70 - 130	25	r
4-Isopropyltoluene	ND	0.180	ND	0.99	99	13.6	15.4	2.47	2.80	12.5	70 - 130	25	
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25	
Acetone	ND	0.420	ND	1.00	89	ND	ND	ND	ND	NC	70 - 130	25	
Acrylonitrile	ND	0.460	ND	1.00	92	ND	ND	ND	ND	NC	70 - 130	25	
Benzene	ND	0.310	ND	0.99	99	2150	2200	674	689	2.2	70 - 130	25	
Bromodichloromethane	ND	0.150	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25	
Bromoform	ND	0.097	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25	
Bromomethane	ND	0.260	ND	1.01	92	ND	ND	ND	ND	NC	70 - 130	25	
Carbon Disulfide	ND	0.320	ND	1.00	89	ND	ND	ND	ND	NC	70 - 130	25	
Carbon Tetrachloride	ND	0.032	ND	0.20	105	0.41	0.42	0.065	0.067	NC	70 - 130	25	
Chlorobenzene	ND	0.220	ND	1.01	97	ND	ND	ND	ND	NC	70 - 130	25	
Chloroethane	ND	0.380	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25	
Chloroform	ND	0.200	ND	0.98	99	ND	ND	ND	ND	NC	70 - 130	25	
Chloromethane	ND	0.480	ND	0.99	95	1.18	1.40	0.574	0.677	NC	70 - 130	25	
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	99	ND	ND	ND	ND	NC	70 - 130	25	
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25	
Cyclohexane	ND	0.290	ND	1.00	99	4200	3780	1220	1100	10.3	70 - 130	25	
Dibromochloromethane	ND	0.120	ND	1.02	105	ND	ND	ND	ND	NC	70 - 130	25	
Dichlorodifluoromethane	ND	0.200	ND	0.99	103	2.56	2.63	0.519	0.532	NC	70 - 130	25	
Ethanol	ND	0.530	ND	1.00	92	3.78	3.92	2.01	2.08	NC	70 - 130	25	
Ethyl acetate	ND	0.280	ND	1.01	98	ND	ND	ND	ND	NC	70 - 130	25	
Ethylbenzene	ND	0.230	ND	1.00	104	312	342	72.0	78.9	9.1	70 - 130	25	
Heptane	ND	0.240	ND	0.98	100	6230	6390	1520	1560	2.6	70 - 130	25	
Hexachlorobutadiene	ND	0.094	ND	1.00	75	ND	ND	ND	ND	NC	70 - 130	25	
Hexane	ND	0.280	ND	0.99	101	5710	5780	1620	1640	1.2	70 - 130	25	

QA/QC Data

SDG I.D.: GBZ61095

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Isopropylalcohol	ND	0.410	ND	1.01	86	ND	ND	ND	ND	NC	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	96	24.1	26.8	4.91	5.45	10.4	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	105	1010	1130	232	261	11.8	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	98	7.75	8.37	2.63	2.84	7.7	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	100	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	92	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	100	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	100	577	638	133	147	10.0	70 - 130	25
Propylene	ND	0.580	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	97	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	98	0.76	0.71	0.112	0.105	NC	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	103	3160	3450	838	917	9.0	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	102	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	101	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	100	1.24	1.17	0.221	0.208	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	90	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	97	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	104		104		100	97	119	97	119	NC	70 - 130	25

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
December 21, 2017

Thursday, December 21, 2017

Criteria: None

State: NY

Sample Criteria Exceedances Report

GBZ61095 - 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 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 21, 2017

SDG I.D.: GBZ61095

Temperature narration is not applicable for Air matrices.

Cooler: Yes ☑ No ☐
Coolant: IPK ☑ ICE ☐ No ☐
Temp 3.9 Pg 1 of 1

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

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

Customer: EBC
Address: 1808 Middle County Rd Ridge, NY, 11961

Project: 39-40 30th St, Queens
Report to: EBC
Invoice to: EBC

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Meaghan Lenne Date: 12/14/17

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-15	Tedlar Bag	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 HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
L1095	Pre-Carbon	SG	12-14-17	9:50	X	X											
L1096	Post-Carbon	SG	12-14-17	9:53	X	X											

Relinquished by:	Accepted by:	Date:	Time:
		12-15	12:15
		12-15-17	15:56

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
☐ Impact to GW soil screen Criteria
☐ GW Criteria

What State were samples collected? NJ

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

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

APPENDIX D

Routine System Inspection Form

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

Last Carbon Filter Installation Date: _____

Inspector: Meaja Lennes

Inspector's Signature: [signature]

Date: 12/14/17

Time: 1:40 pm

Weather: Snow

Extraction Point	Operation Range	Vacuum (iwc)	PID Reading ~~(ppb)~~ ppm
VE-1	Typically -20 to -14" wc	-15.87	4.5 ppm
VE-2	Typically -20 to -14" wc	-16.04	1.6 ppm
VE-3	Typically -20 to -14" wc	-15.51	1.8 ppm
VE-4	Typically -20 to -14" wc	-14.83	1.0 ppm
~~Blower Inlet~~	Typically -35 to -25" wc	—	—
Before Carbon	Typically -20 to -14" wc	9.43	0.5
After Carbon	n/a		0.5

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.

Sampled w/ Mini Rae 3000.