July 2, 2018

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
625 Broadway, Albany, New York 12233

Re: Quarterly Inspection Report (Q2; 2018)
Tomat Service Station
1815-1825 Ocean Avenue, Brooklyn, New York
NYSDEC BCP Number: C224217

Dear Mr. Mustico:

Please find the enclosed Quarterly Inspection Report for the above referenced project for the second quarter of 2018; in accordance with the Site Management Plan (SMP).

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

Very truly yours,

Chawinie Reilly
Project Manager

Cc: G. Bobersky
J. O'Connell
R. Ockerby, NYSDOH
C. Sosik, EBC
A. Czemerinski, AMC

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

TOMAT SERVICE STATION
NYSDEC BCP Number C224217
Quarterly Status Report
2018

Reporting Summary

Report Date: July 2, 2018

Reporting Period: 2nd Quarter of 2018

Site Status: The building is currently under construction and is not occupied.

Work Performed this Quarter: June 2018 – Inspection of the Air Sparge and Soil Vapor Extraction system. PID and vacuum measurements for SVE wells (SVE-1 and SVE-2) and vacuum readings for AS wells (AS1, AS2, AS3, AS4, AS5, AS6, AS7 and AS8) were conducted. PID readings at the pre-carbon, between carbon and post-carbon locations were also collected. Quarterly pre and post carbon sample collection was submitted for laboratory analysis. Quarterly groundwater samples were collected from all wells for laboratory analysis.

Monitoring Program Summary

No. of Sampling Points: Six on-site groundwater monitoring wells (17GW1, 17GW2, 17GW3, 17GW4, 17GW5, 17GW6), two SVE wells (SVE-1 and SVE-2), eight AS wells (AS1, AS2, AS3, AS4, AS5, AS6, AS7 and AS8) Pre-carbon, Post-carbon sample locations.

Gauging Frequency: Quarterly laboratory analysis for 6 on-site monitoring wells (17GW1, 17GW2, 17GW3, 17GW4, 17GW5, 17GW6), pre and post carbon sampling locations. Quarterly for PID and vacuum measurements for SVE wells (SVE-1 and SVE-2), vacuum readings for AS wells (AS1, AS2, AS3, AS4, AS5, AS6, AS7 and AS8), pre-carbon, between carbon and post-carbon locations.

Sampling Frequency: Quarterly laboratory analysis for 6 on-site monitoring wells (17GW1, 17GW2, 17GW3, 17GW4, 17GW5, 17GW6), pre and post carbon sampling locations. Quarterly for PID and vacuum measurements for SVE wells (SVE-1 and SVE-2),

	vacuum readings for AS wells (AS1, AS2, AS3, AS4, AS5, AS6, AS7 and AS8), pre-carbon, between carbon and post-carbon locations.
Reporting Frequency:	Quarterly Inspection Report (Quarterly), Periodic Review Report (Annually).
Groundwater Depth:	22 feet below sidewalk grade
GW Flow Direction:	West
Monitoring Results:	No product was detected within any of the monitoring wells.
Sampling Results:	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 17GW1, 17GW2, 17GW3, 17GW4, 17GW5, 17GW6 on an quarterly 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 2Q18 groundwater sampling event was performed on June 14, 2018. The groundwater samples were collected from 17GW1, 17GW2, 17GW3, 17GW4, 17GW5 and 17GW6 in accordance with the low-flow groundwater sampling procedures outlined within the SMP. See **Figure 1,** for the location of 17GW1, 17GW2, 17GW3, 17GW4, 17GW5 and 17GW6. 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.

The groundwater samples were picked up at EBC's office by laboratory dispatched courier and delivered to Alpha Analytical (Alpha) of 320 Forbes Boulevard, Mansfield, MA 020748, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11148). The groundwater samples were submitted for laboratory analysis of PFAs via EPA Method 537.

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

AIR SAMPLING

The air samples collected from the pre-carbon and post carbon locations were collected in 6 Liter summa canisters fitted with 30-min laboratory calibrated regulators. These locations were sampled in June 2018.

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.

During the sampling event; the SVE sampling ports, pre carbon, between carbon and post carbon locations were field screened with a photo-ionization detector (PID) and vacuum readings were collected at these locations. 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 pre and post carbon air samples was compared to the appropriate standards/criteria in **Table 2**.

QUATERLY GROUNDWATER SAMPLING RESULTS

17GW1– VOCs including, 1,2,4-trimethylbenzene (110 µg/L), 1,3,5-trimethylbenzene (9.2 µg/L), ethylbenzene (80 µg/L), isopropylbenzene (12 µg/L), naphthalene (42 µg/L) and n-propylbenzene (25 µg/L), were reported above NYSDEC Groundwater Quality Standards. A total VOC concentration of 334.8 µg/L, was reported during the second quarter 2018 sampling event.

17GW2– No VOCs were reported above NYSDEC Groundwater Quality Standards. A total VOC concentration of 71 µg/L, was reported during the second quarter 2018 sampling event.

17GW3– VOCs including, 1,2,4-trimethylbenzene (420 µg/L), 1,3,5-trimethylbenzene (66 µg/L), benzene (2.3 µg/L), ethylbenzene (200 µg/L), isopropylbenzene (24 µg/L), naphthalene (100 µg/L), n-propylbenzene (59 µg/L) and o-xylene (6.2 µg/L),were reported above NYSDEC Groundwater Quality Standards. A total VOC concentration of 926.88 µg/L, was reported during the second quarter 2018 sampling event.

17GW4– VOCs including, 1,2,4-trimethylbenzene (5.1 µg/L), isopropylbenzene (8.7 µg/L), n-butylbenzene (14 µg/L), n-propylbenzene (30 µg/L), and sec-butylbenzene (6.5 µg/L),were reported above NYSDEC Groundwater Quality Standards. A total VOC concentration of 71 µg/L, was reported during the second quarter 2018 sampling event.

17GW5– VOCs including, 1,2,4-trimethylbenzene (160 µg/L), 1,3,5-trimethylbenzene (12 µg/L), 2-isopropyltoluene (5.4 µg/L), ethylbenzene (25 µg/L), isopropylbenzene (55 µg/L), naphthalene (120 µg/L), n-butylbenzene (15 µg/L), n-propylbenzene (130 µg/L), p-isopropyltoluene (6.3 µg/L), and sec-butylbenzene (11 µg/L) were reported above NYSDEC Groundwater Quality Standards. A total VOC concentration of 555.3 µg/L, was reported during the second quarter 2018 sampling event.

17GW6– VOCs including, 1,2,4-trimethylbenzene (1,700 µg/L), 1,3,5-trimethylbenzene (240 µg/L), ethylbenzene (970 µg/L), isopropylbenzene (89 µg/L), naphthalene (470 µg/L), n-butylbenzene (16 µg/L), n-propylbenzene (160 µg/L), o-xylene (75 µg/L), p-Isopropyltoluene (10 µg/L)and toluene (11 µg/L) were reported above NYSDEC Groundwater Quality Standards. A total VOC concentration of 5,341 µg/L, was reported during the second quarter 2018 sampling event.

QUATERLY AIR SAMPLE RESULTS

PRE-CARBON – The June 2018 BTEX concentration was reported at 4,845.50 µg/m^3. The total VOC concentrations during this period was reported at 12,266.20 µg/m^3. PID reading for this port was 40.6 ppm.

POST-CARBON – The June 2018 BTEX concentration was reported at 0 µg/m^3. The total VOC concentrations during this period was reported at 12,832.40 µg/m^3. PID reading for this port was 23.6 ppm.

QUATERLY PID AND VACUUM MEASUREMENTS

June 2018:

SVE-1 – PID reading for this port was 7.9 ppm with a vacuum of -9.46 iwc.

S*VE-2* – PID reading for this port was 39.7 ppm with a vacuum of -9.09 iwc.

PRE-CARBON – PID reading for this port was 40.6 ppm; prior to carbon drum change out. After the carbon drum change the PID reading for this port was 129.3 ppm.

BETWEEN-CARBON –PID reading for this port was 33.8 ppm; prior to carbon drum change out. After the carbon drum change the PID reading for this port was 9.8 ppm.

POST-CARBON –PID reading for this port was 23.6 ppm; prior to carbon drum change out. After the carbon drum change the PID reading for this port was 0.7 ppm.

AS-1 – Vacuum reading of -4.8 iwc.

AS-2 – Vacuum reading of -4.7 iwc.

AS-3 – Vacuum reading of -4.7 iwc.

AS-4 – Vacuum reading of -4.8 iwc.

AS-5 – Vacuum reading of -4.8 iwc.

AS-6 – Vacuum reading of -4.7 iwc.

AS-7 – Vacuum reading of -4.8 iwc.

AS-8 – Vacuum reading of -4.7 iwc.

FUTURE PLANS / RECOMMENDATIONS

In May 2018 the GC addressed the neighbor's noise complaint by installing insulation to the interior of the shed. EBC confirm that ventilation was operating within the shed and was sufficient for the space. The system was turned back on May 21, 2018. The system is operating full time.

Based on the PID readings and the pre and post carbon laboratory analysis; breakthrough of the carbon drums has occurred. On July 2, 2018; EBC changed out the carbon drums on site.

The quarterly results noted in this report indicate the AS and SVE system is currently operating at optimal conditions no repairs are required at this time. EBC recommends the continued operation of the AS and the SVE system, continuing quarterly PID monitoring, quarterly vacuum readings, quarterly pre carbon and post carbon air sample collection and quarterly groundwater sampling.

TABLES

Table 1
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Ambient Water Quality Standards (AWQS)	17GW1				17GW1				17GW1				17GW2				17GW2				17GW2			
		11/13/2017 (baseline)				3/15/2018 (Q1 2018)				6/14/2018 (Q2 2018)				11/13/2017 (baseline)				3/15/2018 (Q1 2018)				6/14/2018 (Q2 2018)			
		µg/L				(sys1) µg/L				µg/L				µg/L				(sys1) µg/L				µg/L			
	(ug/L)	Results	RL	Qual	MDL	Results	RL	Qual	MDL	Results	RL	Qual	MDL	Results	RL	Qual	MDL	Results	RL	Qual	MDL	Results	RL	Qual	MDL
1,1,1,2-Tetrachloroethane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 5.0	5.0	U	0.25
1,1,1-Trichloroethane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 5.0	5.0	U	0.25
1,1,2,2-Tetrachloroethane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 5.0	5.0	U	0.25
1,1,2-Trichloroethane	1	< 5.0	5.0	U	5.0	< 1.0	1.0	U	0.25	< 2.5	2.5	U	2.5	< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 1.0	1.0	U	0.25
1,1-Dichloroethane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 5.0	5.0	U	0.25
1,1-Dichloroethene	5	< 5.0	5.0	U	5.0	< 1.0	1.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25
1,1-Dichloropropene	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 5.0	5.0	U	0.25
1,2,3-Trichlorobenzene		< 20	20	U	5.0	< 1.0	1.0	U	0.25	< 10	10	U	2.5	< 20	20	U	5.0	< 10	10	U	2.5	< 1.0	1.0	U	0.25
1,2,3-Trichloropropane	0.04	< 5.0	5.0	U	5.0	< 0.25	0.25	U	0.25	< 2.5	2.5	U	2.5	< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 0.25	0.25	U	0.25
1,2,4-Trichlorobenzene		< 20	20	U	5.0	< 1.0	1.0	U	0.25	< 10	10	U	2.5	< 20	20	U	5.0	< 10	10	U	2.5	< 1.0	1.0	U	0.25
1,2,4-Trimethylbenzene	5	**560**	40	D	10	**120**	10	D	2.5	**110**	5.0		2.5	**2100**	100	D	25	**640**	50	D	13	**2.1**	1.0		0.25
1,2-Dibromo-3-chloropropane	0.04	< 5.0	5.0	U	10	< 0.50	0.50	U	0.50	< 5.0	5.0	U	2.5	< 5.0	5.0	U	10	< 5.0	5.0	U	5.0	< 0.50	0.50	U	0.50
1,2-Dibromoethane	0.0006	< 5.0	5.0	U	5.0	< 0.25	0.25	U	0.25	< 2.5	2.5	U	2.5	< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 0.25	0.25	U	0.25
1,2-Dichlorobenzene	3	< 5.0	5.0	U	5.0	< 1.0	1.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25
1,2-Dichloroethane	0.6	< 10	10	U	10	< 0.60	0.60	U	0.50	< 5.0	5.0	U	2.5	< 10	10	U	10	< 5.0	5.0	U	5.0	< 0.60	0.60	U	0.50
1,2-Dichloropropane	1	< 5.0	5.0	U	5.0	< 1.0	1.0	U	0.25	< 2.5	2.5	U	2.5	< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 1.0	1.0	U	0.25
1,3,5-Trimethylbenzene	5	**69**	20		5.0	**16**	1.0		0.25	**9.2**	5.0		2.5	**480**	20		5.0	**110**	10		2.5	**0.54**	1.0	J	0.25
1,3-Dichlorobenzene	3	< 5.0	5.0	U	5.0	< 1.0	1.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25
1,3-Dichloropropane	5	< 5.0	5.0	U	5.0	< 1.0	1.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25
1,4-Dichlorobenzene		< 5.0	5.0	U	5.0	< 1.0	1.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25
2,2-Dichloropropane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 5.0	5.0	U	0.25
2-Chlorotoluene	5	< 5.0	5.0	U	5.0	< 1.0	1.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25
2-Hexanone (Methyl Butyl Ketone)	50	< 50	50	U	50	< 2.5	2.5	U	2.5	< 25	25	U	25	< 50	50	U	50	< 25	25	U	25	< 2.5	2.5	U	2.5
2-Isopropyltoluene	5	< 5.0	5.0	U	5.0	**1.5**	1.0		0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25
4-Chlorotoluene	5	< 5.0	5.0	U	5.0	< 1.0	1.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25
4-Methyl-2-Pentanone		< 50	50	U	50	< 2.5	2.5	U	2.5	< 25	25	U	25	< 50	50	U	50	< 25	25	U	25	< 2.5	2.5	U	2.5
Acetone	50	< 50	50	U	50	< 5.0	5.0	U	2.5	< 50	50	U	25	< 50	50	U	50	< 50	50	U	25	< 5.0	5.0	U	2.5
Acrolein	5	< 50	50	U	50	< 2.5	2.5	U	2.5	< 25	25	U	25	< 50	50	U	50	< 25	25	U	25	< 2.5	2.5	U	2.5
Acrylonitrile	5	< 50	50	U	50	< 5.0	5.0	U	2.5	< 5.0	5.0	U	0.25	< 50	50	U	50	< 25	25	U	25	< 5.0	5.0	U	2.5
Benzene	1	< 5.0	5.0	U	5.0	< 0.70	0.70	U	0.25	< 2.5	2.5	U	2.5	**6.9**	5.0		5.0	< 2.5	2.5	U	2.5	< 0.70	0.70	U	0.25
Bromobenzene	5	< 5.0	5.0	U	5.0	< 1.0	1.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25
Bromochloromethane	5	< 5.0	5.0	U	5.0	< 1.0	1.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25
Bromodichloromethane	50	< 20	20	U	5.0	< 1.0	1.0	U	0.25	< 10	10	U	2.5	< 20	20	U	5.0	< 10	10	U	2.5	< 1.0	1.0	U	0.25
Bromoform	50	< 50	50	U	5.0	< 5.0	5.0	U	0.25	< 50	50	U	2.5	< 50	50	U	5.0	< 50	50	U	2.5	< 5.0	5.0	U	0.25
Bromomethane	5	< 5.0	5.0	U	5.0	< 2.0	2.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 5.0	5.0	U	0.25
Carbon Disulfide		< 20	20	U	5.0	< 1.0	1.0	U	0.25	< 10	10	U	2.5	< 20	20	U	5.0	< 10	10	U	2.5	< 1.0	1.0	U	0.25
Carbon tetrachloride	5	< 5.0	5.0	U	5.0	< 1.0	1.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25
Chlorobenzene	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 5.0	5.0	U	0.25
Chloroethane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 5.0	5.0	U	0.25
Chloroform	7	< 7.0	7.0	U	5.0	< 5.0	5.0	U	0.25	< 7.0	7.0	U	2.5	< 7.0	7.0	U	5.0	< 7.0	7.0	U	2.5	< 5.0	5.0	U	0.25
Chloromethane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 5.0	5.0	U	0.25
cis-1,2-Dichloroethene	5	< 5.0	5.0	U	5.0	< 2.0	2.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 2.0	2.0	U	0.25
cis-1,3-Dichloropropene	0.4	< 5.0	5.0	U	5.0	< 0.40	0.40	U	0.25	< 2.5	2.5	U	2.5	< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 0.40	0.40	U	0.25
Dibromochloromethane	50	< 20	20	U	5.0	< 1.0	1.0	U	0.25	< 10	10	U	2.5	< 20	20	U	5.0	< 10	10	U	2.5	< 1.0	1.0	U	0.25
Dibromomethane	5	< 5.0	5.0	U	5.0	< 1.0	1.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25
Dichlorodifluoromethane	5	< 5.0	5.0	U	5.0	< 1.0	1.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25
Ethylbenzene	5	**320**	20		5.0	**76**	1.0	D	2.5	**80**	5.0		2.5	**1400**	100	D	25	**470**	50	D	13	**0.69**	1.0	J	0.25
Hexachlorobutadiene	0.5	< 4.0	4.0	U	4.0	< 0.60	0.60	U	0.50	< 2.0	2.0	U	2.0	< 4.0	4.0	U	4.0	< 2.0	2.0	U	2.0	< 0.60	0.60	U	0.50
Isopropylbenzene	5	**39**	20		5.0	**22**	1.0		0.25	**12**	5.0		2.5	**81**	20		5.0	**34**	10		2.5	**0.29**	1.0	J	0.25
m&p-Xylenes		**290**	20		5.0	**64**	10	D	2.5	**54**	10		2.5	**1,300**	100	D	25	**570**	10		2.5	**0.53**	1.0	J	0.25
Methyl Ethyl Ketone (2-Butanone)	50	< 50	50	U	50	< 2.5	2.5	U	2.5	< 25	25	U	25	< 50	50	U	50	< 25	25	U	25	< 2.5	2.5	U	2.5
Methyl t-butyl ether (MTBE)		< 20	20	U	5.0	< 1.0	1.0	U	0.25	< 10	10	U	2.5	< 20	20	U	5.0	< 10	10	U	2.5	< 1.0	1.0	U	0.25
Methylene chloride	5	< 20	20	U	20	< 3.0	3.0	U	1.0	< 5.0	5.0	U	5.0	< 20	20	U	20	< 10	10	U	10	< 3.0	5.0	U	1.0
Naphthalene	10	**190**	20		20	**53**	10	D	10	**42**	10		10	**450**	100	D	100	**160**	10		10	< 1.0	1.0	U	1.0
n-Butylbenzene	5	**9.4**	20	J	5.0	**3.7**	1.0		0.25	**2.6**	5.0	J	2.5	**13**	20		5.0	**8.9**	10	J	2.5	< 1.0	1.0	U	0.25
n-Propylbenzene	5	**81**	20		5.0	**27**	1.0	D	2.5	**25**	5.0		2.5	**210**	20		5.0	**72**	10		2.5	**0.67**	1.0	J	0.25
o-Xylene	5	< 5.0	5.0	U	5.0	**1.7**	1.0		0.25	< 5.0	5.0	U	2.5	**740**	100	D	25	**45**	10		2.5	< 1.0	1.0	U	0.25
p-Isopropyltoluene	5	< 5.0	5.0	U	5.0	**1.7**	1.0		0.25	< 5.0	5.0	U	2.5	**7.7**	20	J	5.0	**3.9**	10	J	2.5	< 1.0	1.0	U	0.25
sec-Butylbenzene	5	**5.4**	20	J	5.0	**2.9**	1.0		0.25	< 5.0	5.0	U	2.5	**12**	20	J	5.0	**6.4**	10	J	2.5	< 1.0	1.0	U	0.25
Styrene	5	< 5.0	5.0	U	5.0	< 1.0	1.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25
tert-Butylbenzene	5	**0.6**	20	J	5.0	**0.26**	1.0	J	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25
Tetrachloroethene	5	< 5.0	5.0	U	5.0	< 1.0	1.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25
Tetrahydrofuran (THF)	50	< 20	20	U	20	< 2.5	2.5	U	2.5	< 20	20	U	20	< 20	20	U	20	< 20	20	U	20	< 2.5	2.5	U	2.5
Toluene	5	< 5.0	5.0	U	5.0	**0.28**	1.0	J	0.25	< 5.0	5.0	U	2.5	**40**	20		5.0	**2.8**	10	J	2.5	< 1.0	1.0	U	0.25
trans-1,2-Dichloroethene	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 5.0	5.0	U	0.25
trans-1,3-Dichloropropene	0.4	< 5.0	5.0	U	5.0	< 0.40	0.40	U	0.25	< 2.5	2.5	U	2.5	< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 0.40	0.40	U	0.25
trans-1,4-dichloro-2-butene	5	< 50	50	U	50	< 2.5	2.5	U	2.5	< 25	25	U	25	< 50	50	U	50	< 25	25	U	25	< 2.5	2.5	U	2.5
Trichloroethene	5	< 5.0	5.0	U	5.0	< 1.0	1.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25
Trichlorofluoromethane	5	< 5.0	5.0	U	5.0	< 1.0	1.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25
Trichlorotrifluoroethane	5	< 5.0	5.0	U	5.0	< 2.0	2.0	U	0.25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 2.0	2.0	U	0.25
Vinyl Chloride	2	< 5.0	5.0	U	5.0	< 1.0	1.0	U	0.25	< 2.0	2.0	U	2.5	< 5.0	5.0	U	5.0	< 2.0	2.0	U	2.5	< 1.0	1.0	U	0.25

Notes:

RL - Laboratory Reporting Limit, MDL=Minimum Detection Limit

ND = Non-detect

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Bold = Result detected above detection limit

Table 1
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Ambient Water Quality Standards (AWQS)	17GW3				17GW3				17GW3				17GW4				17GW4				17GW4			
		11/13/217 (baseline				3/15/2018 (Q1 2018)				6/14/2018 (Q2 2018)				11/16/2017 (baseline				3/15/2018 (Q1 2018)				6/14/2018 (Q2 2018)			
		µg/L				(µg/L)				µg/L				µg/L				(µg/L)				µg/L			
	(ug/L)	Results	RL	Qual	MDL	Results	RL	Qual	MDL	Results	RL	Qual	MDL	Results	RL	Qual	MDL	Results	RL	Qual	MDL	Results	RL	Qual	MDL
1,1,1,2-Tetrachloroethane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
1,1,1-Trichloroethane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	0.25	< 5.0	5.0	U	0.25	< 5.0	5.0	U	0.25
1,1,2,2-Tetrachloroethane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
1,1,2-Trichloroethane	1	< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
1,1-Dichloroethane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	0.25	< 5.0	5.0	U	0.25	< 5.0	5.0	U	0.25
1,1-Dichloroethene	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.65	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
1,1-Dichloropropene	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
1,2,3-Trichlorobenzene		< 20	20	U	5.0	< 10	10	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
1,2,3-Trichloropropane	0.04	< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25
1,2,4-Trichlorobenzene		< 20	20	U	5.0	< 10	10	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
1,2,4-Trimethylbenzene	5	1600	500	D	50	140	10		2.5	420	13		13	230	10	D	2.5	64	5.0	D	1.3	5.1	1.0		0.25
1,2-Dibromo-3-chloropropane	0.04	< 50	50	U	50	< 5.0	5.0	U	2.5	< 2.5	2.5	U	0.65	< 5.0	5.0	U	0.25	< 0.50	0.50	U	0.25	< 0.50	0.50	U	0.25
1,2-Dibromoethane	0.0006	< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 0.25	0.25	U	0.65	< 0.25	0.25	U	0.25	< 0.05	0.05	U	0.25	< 0.05	0.05	U	0.25
1,2-Dichlorobenzene	3	< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
1,2-Dichloroethane	0.6	< 10	10	U	10	< 5.0	5.0	U	2.5	< 0.65	0.65	U	0.50	< 0.65	0.65	U	0.50	< 0.65	0.65	U	0.50	< 0.65	0.65	U	0.50
1,2-Dichloropropane	1	< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
1,3,5-Trimethylbenzene	5	190	20		5.0	17	10		2.5	66	5.0		2.5	0.3	1.0	J	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
1,3-Dichlorobenzene	3	< 5.0	5.0	U	5.0	< 3.0	3.0	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
1,3-Dichloropropane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
1,4-Dichlorobenzene		< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.65	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
2,2-Dichloropropane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
2-Chlorotoluene	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
2-Hexanone (Methyl Butyl Ketone)	50	< 50	50	U	50	< 25	25	U	25	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5
2-Isopropyltoluene	5	< 5.0	5.0	U	5.0	5.2	10	J	2.5	1.2	1.0		0.25	4.2	1.0		0.25	4.6	5.0		0.25	2.6	1.0		0.25
4-Chlorotoluene	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
4-Methyl-2-Pentanone		< 50	50	U	50	< 25	25	U	25	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5
Acetone	50	< 50	50	U	50	< 50	50	U	25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5
Acrolein	5	< 50	50	U	50	< 25	25	U	25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5
Acrylonitrile	5	< 50	50	U	50	< 25	25	U	25	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5
Benzene	1	12	14	J	5.0	< 2.5	2.5	U	2.5	2.3	0.70		0.25	< 0.70	0.70	U	0.25	< 0.70	0.70	U	0.25	< 0.70	0.70	U	0.25
Bromobenzene	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Bromochloromethane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Bromodichloromethane	50	< 20	20	U	5.0	< 10	10	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Bromoform	50	< 50	50	U	5.0	< 50	50	U	2.5	< 2.0	2.0	U	0.65	< 5.0	5.0	U	0.25	< 5.0	5.0	U	0.25	< 5.0	5.0	U	0.25
Bromomethane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 2.0	2.0	U	0.25	< 5.0	5.0	U	0.25	< 5.0	5.0	U	0.25	< 5.0	5.0	U	0.25
Carbon Disulfide		< 20	20	U	5.0	< 10	10	U	2.5	0.38	1.0	J	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Carbon tetrachloride	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Chlorobenzene	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25
Chloroethane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 5.0	5.0	U	0.25	< 5.0	5.0	U	0.25	< 5.0	5.0	U	0.25	< 5.0	5.0	U	0.25
Chloroform	7	< 7.0	7.0	U	5.0	< 7.0	7.0	U	2.5	< 5.0	5.0	U	0.25	1.4	5.0	J	0.25	< 5.0	5.0	U	0.25	< 5.0	5.0	U	0.25
Chloromethane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 2.0	2.0	U	0.65	< 5.0	5.0	U	0.25	< 5.0	5.0	U	0.25	< 5.0	5.0	U	0.25
cis-1,2-Dichloroethene	5	< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
cis-1,3-Dichloropropene	0.4	< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 0.40	0.40	U	0.25	< 0.40	0.40	U	0.25	< 0.40	0.40	U	0.25	< 0.40	0.40	U	0.25
Dibromochloromethane	50	< 20	20	U	5.0	< 10	10	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Dibromomethane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Dichlorodifluoromethane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Ethylbenzene	5	470	20		5.0	37	10		2.5	200	5.0		2.5	1.9	1.0		0.25	1.9	1.0		0.25	0.98	1.0	J	0.25
Hexachlorobutadiene	0.5	< 4.0	4.0	U	4.0	< 2.0	2.0	U	2.0	< 0.60	0.60	U	0.60	< 0.60	0.60	U	0.20	< 0.599	0.60	U	0.20	< 0.599	0.60	U	0.20
Isopropylbenzene	5	71	20		5.0	63	10		2.0	24	1.0		0.25	12	1.0		0.25	15	1.0		0.25	8.7	1.0		0.25
m&p-Xylenes		450	20		5.0	17	10	J	2.5	34	1.0		0.25	2.2	1.0		0.25	0.39	1.0	J	0.25	< 1.0	1.0	U	0.25
Methyl Ethyl Ketone (2-Butanone)	50	< 50	50	U	50	< 25	25	U	25	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5
Methyl t-butyl ether (MTBE)		< 20	20	U	5.0	< 10	10	U	2.0	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Methylene chloride	5	< 20	20	U	20	< 10	10	U	10	< 3.0	3.0	U	1.0	1.3	3.0	JB	1.0	< 3.0	3.0	U	1.0	< 3.0	3.0	U	1.0
Naphthalene	10	210	20		20	150	10		10	100	10		10	< 1.0	1.0	U	1.0	< 1.0	1.0	U	1.0	< 1.0	1.0	U	1.0
n-Butylbenzene	5	10	20	J	5.0	16	10	J	2.5	4.8	1.0		0.65	4.3	1.0		0.25	9.2	1.0		0.25	14	1.0		0.25
n-Propylbenzene	5	160	20		5.0	120	10		2.0	59	5.0		2.5	25	10	D	2.5	52	5.0	D	1.3	30	1.0		0.25
o-Xylene	5	180	20		5.0	< 5.0	5.0	U	2.5	6.2	1.0		0.25	1.2	1.0		0.25	0.46	1.0	J	0.25	< 1.0	1.0	U	0.25
p-Isopropyltoluene	5	5.5	20	J	5.0	8.8	10	J	2.5	2.8	1.0		0.25	4.1	1.0		0.25	5.2	1.0		0.25	2.1	1.0		0.25
sec-Butylbenzene	5	9.5	20	J	5.0	10	10	J	2.5	3.5	1.0		0.25	3.4	1.0		0.25	5.7	1.0		0.25	6.5	1.0		0.25
Styrene	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
tert-Butylbenzene	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	0.97	1.0	J	0.25	1.5	1.0	J	0.25	0.92	1.0	J	0.25
Tetrachloroethene	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.65	0.27	1.0	J	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Tetrahydrofuran (THF)	50	< 50	50	U	20	< 20	20	U	20	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5
Toluene	5	25	20		5.0	< 5.0	5.0	U	2.5	2.7	1.0		0.25	0.37	1.0	J	0.25	0.5	1.0	J	0.25	< 1.0	1.0	U	0.25
trans-1,2-Dichloroethene	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
trans-1,3-Dichloropropene	0.4	< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 0.40	0.40	U	0.25	< 0.40	0.40	U	0.25	< 0.40	0.40	U	0.25	< 0.40	0.40	U	0.25
trans-1,4-dichloro-2-butene	5	< 50	50	U	50	< 25	25	U	25	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5
Trichloroethene	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Trichlorofluoromethane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Trichlorotrifluoroethane	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.65	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Vinyl Chloride	2	< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25

Notes:
RL - Laboratory Reporting Limit, MDL=Minimum Detection Limit
ND = Non-detect
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard
Bold = Result detected above detection limit

Table 1
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Ambient Water Quality Standards (AWQS)	17GW5				17GW5				17GW5				17GW6				17GW6				17GW6			
		11/13/2017 (baseline)				3/15/2018 (Q1 2018)				6/14/2018 (Q2 2018)				11/13/2017 (baseline)				3/15/2018 (Q1 2018)				6/14/2018 (Q2 2018)			
		µg/L			(syr1)	µg/L			(syr1)	µg/L			(syr1)	µg/L			(syr1)	µg/L			(syr1)	µg/L			(syr1)
	(ug/L)	Results	RL	Qual	MDL	Results	RL	Qual	MDL	Results	RL	Qual	MDL	Results	RL	Qual	MDL	Results	RL	Qual	MDL	Results	RL	Qual	MDL
1,1,1,2-Tetrachloroethane	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
1,1,1-Trichloroethane	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
1,1,2,2-Tetrachloroethane	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
1,1,2-Trichloroethane	1	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
1,1-Dichloroethane	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
1,1-Dichloroethene	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.65	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
1,1-Dichloropropene	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
1,2,3-Trichlorobenzene		< 10	10	U	2.5	< 10	10	U	2.5	< 1.0	1.0	U	0.25	< 20	20	U	5.0	< 50	50	U	10	< 20	20	U	5.0
1,2,3-Trichloropropane	0.04	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 0.25	0.25	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
1,2,4-Trichlorobenzene		< 10	10	U	2.5	< 10	10	U	2.5	< 1.0	1.0	U	0.25	< 20	20	U	5.0	< 50	50	U	10	< 20	20	U	5.0
1,2,4-Trimethylbenzene	5	390	50	D	5.0	570	50	D	5.0	160	5.0		0.5	2300	200	D	50	1800	100	D	25	1700	25		25
1,2-Dibromo-3-chloropropane	0.04	< 5.0	5.0	U	5.0	< 5.0	5.0	U	5.0	< 5.0	5.0	U	5.0	< 50	50	U	50	< 25	25	U	25	< 50	50	U	50
1,2-Dibromoethane	0.0006	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 0.25	0.25	U	0.65	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
1,2-Dichlorobenzene		< 4.7	4.7	U	2.5	< 4.7	4.7	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
1,2-Dichloroethane	0.6	< 5.0	5.0	U	5.0	< 5.0	5.0	U	2.5	< 0.65	0.65	U	0.65	< 40	40	U	5.0	< 25	25	U	25	< 10	10	U	10
1,2-Dichloropropane	1	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
1,2,3-Trimethylbenzene	5	27	10		2.5	110	10		2.5	12	1.0		0.25	420	20		5.0	480	50		10	240	5.0	U	5.0
1,3-Dichlorobenzene	3	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
1,3-Dichloropropane	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
1,4-Dichlorobenzene		< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.65	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
2,2-Dichloropropane	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
2-Chlorotoluene	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
2-Hexanone (Methyl Butyl Ketone)	50	< 25	25	U	25	< 25	25	U	25	< 2.5	2.5	U	2.5	< 50	50	U	50	< 130	130	U	130	< 50	50	U	50
2-Isopropyltoluene	5	4.3	10	J	2.5	< 5.0	5.0	U	2.5	5.4	1.0		0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
4-Chlorotoluene	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
4-Methyl-2-Pentanone		< 25	25	U	25	< 25	25	U	25	< 2.5	2.5	U	2.5	< 50	50	U	50	< 130	130	U	130	< 50	50	U	50
Acetone	50	< 50	50	U	25	< 50	50	U	25	< 5.0	5.0	U	2.5	< 50	50	U	50	< 130	130	U	130	< 50	50	U	50
Acrolein	5	< 25	25	U	25	< 25	25	U	25	< 5.0	5.0	U	2.5	< 50	50	U	50	< 130	130	U	130	< 50	50	U	50
Acrylonitrile	5	< 25	25	U	25	< 25	25	U	25	< 5.0	5.0	U	2.5	< 50	50	U	50	< 130	130	U	130	< 50	50	U	50
Benzene	1	< 2.5	2.5	U	2.5	3.6	7.3	J	2.5	< 0.75	0.75	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
Bromobenzene	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
Bromochloromethane	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
Bromodichloromethane	50	< 10	10	U	2.5	< 10	10	U	2.5	< 1.0	1.0	U	0.25	< 20	20	U	5.0	< 50	50	U	10	< 20	20	U	5.0
Bromoform	50	< 50	50	U	2.5	< 50	50	U	2.5	< 5.0	5.0	U	0.65	< 50	50	U	5.0	< 50	50	U	10	< 50	50	U	5.0
Bromomethane	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
Carbon Disulfide		< 10	10	U	2.5	< 10	10	U	2.5	< 1.0	1.0	U	0.25	< 20	20	U	5.0	< 50	50	U	10	< 20	20	U	5.0
Carbon tetrachloride	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
Chlorobenzene	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
Chloroethane	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
Chloroform	7	< 7.0	7.0	U	2.5	< 7.0	7.0	U	2.5	< 5.0	5.0	U	0.25	< 7.0	7.0	U	5.0	< 10	10	U	10	< 7.0	7.0	U	5.0
Chloromethane	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	0.65	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
cis-1,2-Dichloroethene	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
cis-1,3-Dichloropropene	0.4	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 0.40	0.40	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
Dibromochloromethane	50	< 10	10	U	2.5	< 10	10	U	2.5	< 1.0	1.0	U	0.25	< 20	20	U	5.0	< 50	50	U	10	< 20	20	U	5.0
Dibromomethane	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
Dichlorodifluoromethane	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
Ethylbenzene	5	46	10		2.5	270	10		2.5	25	1.0		0.25	1,200	200	D	50	1100	50		10	970	10		10
Hexachlorobutadiene	0.5	< 7.0	7.0	U	2.5	< 7.0	2.5	U	2.5	< 0.60	0.60	U	0.60	< 40	40	U	5.0	< 10	10	U	10	< 40	40	U	5.0
Isopropylbenzene	5	50	10		2.5	42	10		2.5	55	5.0		0.5	72	20		5.0	76	50		10	89	5.0		5.0
m&p-Xylenes		17	10		2.5	250	10		2.5	13	1.0		0.25	2,600	200	D	50	3,500	100	D	25	1,600	50		10
Methyl Ethyl Ketone (2-Butanone)	50	< 25	25	U	25	< 25	25	U	25	< 2.5	2.5	U	2.5	< 50	50	U	50	< 130	130	U	130	< 50	50	U	50
Methyl t-butyl ether (MTBE)		< 10	10	U	2.5	< 10	10	U	2.5	< 1.0	1.0	U	0.25	< 20	20	U	5.0	< 50	50	U	10	< 20	20	U	5.0
Methylene chloride	5	< 10	10	U	10	< 10	10	U	10	< 3.0	3.0	U	1.0	< 20	20	U	20	< 50	50	U	50	< 20	20	U	10
Naphthalene	10	150	10		10	140	10		10	120	10		10	410	20		20	460	50		50	470	20		20
n-Butylbenzene	5	15	10		2.5	6.8	10	J	2.5	15	1.0		0.65	23	20		5.0	15	50	J	10	16	5.0		5.0
n-Propylbenzene	5	140	10		2.5	84	10		2.5	130	5.0		0.5	180	20		5.0	200	50		10	160	5.0		5.0
o-Xylene	5	< 5.0	5.0	U	2.5	4.4	10	J	2.5	8.98	1.0	J	0.25	140	20		5.0	550	50		10	75	5.0		5.0
p-Isopropyltoluene	5	8.4	10	J	2.5	4.3	10	J	2.5	6.3	1.0		0.25	9.2	20	J	5.0	< 10	10	U	10	10	5.0		5.0
sec-Butylbenzene	5	9.8	10	J	2.5	5.2	10	J	2.5	11	1.0		0.25	14	20	J	5.0	< 10	10	U	10	11	5.0		5.0
Styrene	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
tert-Butylbenzene	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	1.3	1.0	J	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
Tetrachloroethene	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.65	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
Tetrahydrofuran (THF)	50	< 50	50	U	25	< 50	50	U	25	< 5.0	5.0	U	2.5	< 50	50	U	50	< 130	130	U	130	< 50	50	U	50
Toluene	5	< 5.0	5.0	U	2.5	2.8	10	J	2.5	6.72	1.0	J	0.25	5.1	20	J	5.0	79	50		10	< 5.0	5.0	U	5.0
trans-1,2-Dichloroethene	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
trans-1,3-Dichloropropene	0.4	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 0.40	0.40	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
trans-1,4-dichloro-2-butene	5	< 25	25	U	25	< 25	25	U	25	< 2.5	2.5	U	2.5	< 50	50	U	50	< 130	130	U	130	< 50	50	U	50
Trichloroethene	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
Trichlorofluoromethane	5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.65	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
Trichlorotrifluoroethane	5	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 5.0	5.0	U	5.0
Vinyl Chloride	2	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 1.0	1.0	U	0.25	< 5.0	5.0	U	5.0	< 10	10	U	10	< 4.0	4.0	U	4.0

Notes:
RL - Laboratory Reporting Limit, MDL=Minimum Detection Limit
ND = Non-detect
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard
Bold = Result detected above detection limit

Former Tomat Service Station
1815-1825 Ocean Avenue
Brooklyn, New York

Table 2
Pre and Post Carbon Analytical Results
Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub-Slab Value ($\mu g/m^3$) [a]	NYSDOH Soil Outdoor Background Levels ($\mu g/m^3$) [b]	Pre Carbon ($\mu g/m3$)								Post Carbon ($\mu g/m3$)							
			1/30/2018		2/28/2018		3/15/2018		6/14/2018		1/30/2018		2/28/2018		3/15/2018		6/14/2018	
			Result	RL	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	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
1,1,1-Trichloroethane	100	<2.0 - 2.8	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
1,1,2,2-Tetrachloroethane		<1.5	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
1,1,2-Trichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
1,1-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
1,1-Dichloroethene		<1.0	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 3.00	3.00	< 0.20	0.20	< 0.20	0.20	**0.25**	0.20	< 3.00	3.00
1,2,4-Trichlorobenzene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	**2.26**	1.00	< 15.0	15.0
1,2,4-Trimethylbenzene		<1.0	**4.87**	1.00	< 1.00	1.00	**1.78**	1.00	**414**	15.0	**4.62**	1.00	< 1.00	1.00	**3.39**	1.00	< 15.0	15.0
1,2-Dibromoethane		<1.5	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
1,2-Dichlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
1,2-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
1,2-Dichloropropane			< 1.00	1.00	< 1.00	1.00	**2.06**	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
1,2-Dichlorotetrafluoroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
1,3,5-Trimethylbenzene		<1.0	**1.58**	1.00	< 1.00	1.00	< 1.00	1.00	**349**	15.0	**1.53**	1.00	< 1.00	1.00	**1.18**	1.00	< 15.0	15.0
1,3-Butadiene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
1,3-Dichlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	**1.13**	1.00	< 15.0	15.0
1,4-Dichlorobenzene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
1,4-Dioxane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
2-Hexanone			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
4-Ethyltoluene		NA	**4.79**	1.00	< 1.00	1.00	< 1.00	1.00	**757**	15.0	**4.87**	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
4-Isopropyltoluene			**< 1.00**	1.00	< 1.00	1.00	< 1.00	1.00	**24.8**	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
4-Methyl-2-pentanone			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	**1.21**	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
Acetone		NA	**25.4**	1.00	**7.76**	1.00	**41.3**	1.00	**175**	15.0	**15.3**	1.00	**9.45**	1.00	**32.3**	1.00	< 15.0	15.0
Acrylonitrile			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
Benzene		<1.6 - 4.7	**1.47**	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
Benzyl Chloride		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
Bromodichloromethane		<5.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
Bromoform		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
Bromomethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
Carbon Disulfide		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**15.5**	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**17.6**	15.0
Carbon Tetrachloride	5	<3.1	**0.75**	0.20	**0.74**	0.20	**0.74**	0.20	< 3.00	3.00	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 3.00	3.00
Chlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
Chloroethane		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
Chloroform		<2.4	**5.95**	1.00	**4.19**	1.00	**11.9**	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
Chloromethane		<1.0 - 1.4	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	**1.13**	1.00	< 15.0	15.0
cis-1,2-Dichloroethene		<1.0	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 3.00	3.00	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 3.00	3.00
cis-1,3-Dichloropropene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
Cyclohexane		NA	**2.21**	1.00	**1.42**	1.00	< 1.00	1.00	**1110**	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**1420**	15.0
Dibromochloromethane		<5.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
Dichlorodifluromethane		NA	**3.69**	1.00	**2.87**	1.00	**4.03**	1.00	< 15.0	15.0	**2.52**	1.00	**3.47**	1.00	**4.05**	1.00	< 15.0	15.0
Ethanol			**19.6**	1.00	**1.75**	1.00	**11.9**	1.00	**22.8**	15.0	**22.8**	1.00	**4.73**	1.00	**45.2**	1.00	**28.1**	15.0
Ethyl Acetate		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	**1.23**	1.00	< 15.0	15.0
Ethylbenzene		<4.3	**3.11**	1.00	< 1.00	1.00	**2.1**	1.00	**798**	15.0	**2.12**	1.00	< 1.00	1.00	**1.56**	1.00	< 15.0	15.0
Heptane		NA	**3.2**	1.00	< 1.00	1.00	< 1.00	1.00	**3030**	150	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**9460**	1200
Hexachlorobutadiene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
Hexane		<1.5	**2.61**	1.00	**1.29**	1.00	< 1.00	1.00	**1390**	15.0	< 1.00	1.00	**1.05**	1.00	< 1.00	1.00	**1890**	15.0
Isopropylalcohol		NA	**17.3**	1.00	**5.55**	1.00	**2.51**	1.00	< 15.0	15.0	**4.3**	1.00	< 1.00	1.00	**4.13**	1.00	< 15.0	15.0
Isopropylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**84.5**	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
Xylene (m&p)		<4.3	**11.1**	1.00	**3.1**	1.00	**7.81**	1.00	**3220**	15.0	**7.72**	1.00	< 1.00	1.00	**6.86**	1.00	< 15.0	15.0
Methyl Ethyl Ketone			**8.96**	1.00	**2.4**	1.00	**4.13**	1.00	< 15.0	15.0	**3.65**	1.00	**5.25**	1.00	**6.1**	1.00	< 15.0	15.0
MTBE		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
Methylene Chloride		<3.4	< 3.00	3.00	< 3.00	3.00	**7.71**	3.00	< 45.1	45.1	< 3.00	3.00	< 3.00	3.00	**128**	6.01	< 45.1	45.1
n-Butylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**23**	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
Xylene (o)		<4.3	**4.29**	1.00	**1.4**	1.00	**2.94**	1.00	**733**	15.0	**3.36**	1.00	< 1.00	1.00	**3.29**	1.00	< 15.0	15.0
Propylene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
sec-Butylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
Styrene		<1.0	**1.6**	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	**1.56**	1.00	< 1.00	1.00	**1.58**	1.00	< 15.0	15.0
Tetrachloroethene	30		**42.5**	0.25	**25.8**	0.25	**36.2**	0.25	**25.1**	3.75	**2.71**	0.25	**0.73**	0.25	**1.12**	0.25	**16.7**	3.75
Tetrahydrofuran		NA	**29**	1.00	**4.57**	1.00	**8.96**	1.00	< 15.0	15.0	**14.9**	1.00	**10.8**	1.00	**24.5**	1.00	< 15.0	15.0
Toluene		1.0 - 6.1	**32.1**	1.00	**4.37**	1.00	**4.33**	1.00	**94.5**	15.0	**7.95**	1.00	< 1.00	1.00	**6.59**	1.00	< 15.0	15.0
trans-1,2-Dichloroethene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
trans-1,3-Dichloropropene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
Trichloroethene	2	<1.7	**0.27**	0.20	< 0.20	0.20	< 0.20	0.20	< 3.00	3.00	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 3.00	3.00
Trichlorofluoromethane		NA	**1.24**	1.00	**1.3**	1.00	**1.75**	1.00	< 15.0	15.0	< 1.00	1.00	**2.17**	1.00	**2.95**	1.00	< 15.0	15.0
Trichlorotrifluoroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0
Vinyl Chloride		<1.0	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 2.99	2.99	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 2.99	2.99
BTEX			**52.07**		**8.87**		**17.18**		**4,845.50**		**21.15**		**0.00**		**18.30**		**0.00**	
Total VOCs			**227.59**		**68.51**		**152.15**		**12,266.20**		**101.12**		**37.65**		**278.80**		**12,832.40**	

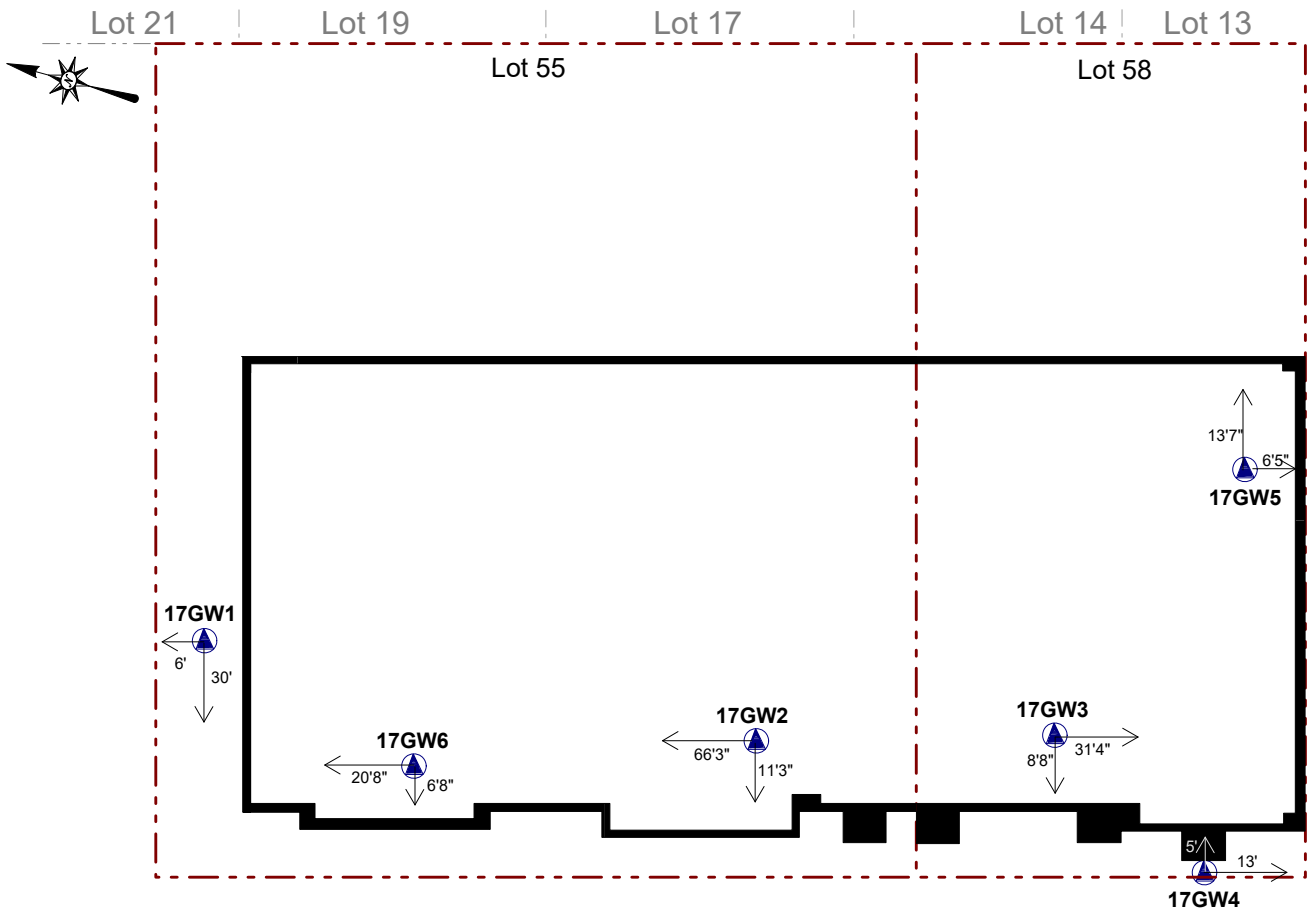
Notes:
NA No guidance value or standard available
(a) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October 2006. New York State Department of Health.
(b) NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005, Summary of Background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

Table 3
Groundwater Analytical Results
PFAs

Compound	17GW1		17GW2		17GW4		17GW5	
	6/14/2018		6/14/2018		6/14/2018		6/14/2018	
	Result	RL	Result	RL	Result	RL	Result	RL
Perfluorobutanoic Acid (PFBA)	7.18	1.85	10.9	1.72	2.42	1.78	22.3	1.78
Perfluoropentanoic Acid (PFPeA)	6.23	1.85	11.1	1.72	3.8	1.78	19.2	1.78
Perfluorobutanesulfonic Acid (PFBS)	1.55J	1.85	3.13	1.72	2.13	1.78	4.63	1.78
Perfluorohexanoic Acid (PFHxA)	8.71	1.85	10.2	1.72	3.65	1.78	29.4	1.78
Perfluoroheptanoic Acid (PFHpA)	7.9	1.85	7.69	1.72	3.49	1.78	38	1.78
Perfluorohexanesulfonic Acid (PFHxS)	4.32	1.85	4.61	1.72	2.35	1.78	7.16	1.78
Perfluorooctanoic Acid (PFOA)	32.7	1.85	24.8	1.72	18.1	1.78	85.6	1.78
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.374J	1.85	ND	1.72	ND	1.78	ND	1.78
Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.85	ND	1.72	0.911J	1.78	ND	1.78
Perfluorononanoic Acid (PFNA)	0.311J	1.85	0.152J	1.72	1.74J	1.78	0.282J	1.78
Perfluorooctanesulfonic Acid (PFOS)	4.7	1.85	0.931J	1.72	58.5	1.78	1.78	1.78
Perfluorodecanoic Acid (PFDA)	ND	1.85	ND	1.72	2.22	1.78	ND	1.78
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.85	ND	1.72	ND	1.78	ND	1.78
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.85	ND	1.72	ND	1.78	ND	1.78
Perfluoroundecanoic Acid (PFUnA)	ND	1.85	ND	1.72	ND	1.78	ND	1.78
Perfluorodecanesulfonic Acid (PFDS)	ND	1.85	ND	1.72	ND	1.78	ND	1.78
Perfluorooctanesulfonamide (FOSA)	ND	1.85	ND	1.72	ND	1.78	ND	1.78
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.85	ND	1.72	ND	1.78	ND	1.78
Perfluorododecanoic Acid (PFDoA)	ND	1.85	ND	1.72	ND	1.78	ND	1.78
Perfluorotridecanoic Acid (PFTrDA)	ND	1.85	0.559J	1.72	ND	1.78	ND	1.78
Perfluorotetradecanoic Acid (PFTA)	ND	1.85	ND	1.72	ND	1.78	ND	1.78

Notes:
RL- Reporting Limit
All Results in ng/L

FIGURES



SIDEWALK

OCEAN AVENUE

KEY:

Property Boundary

17GWX Groundwater Well

SCALE:

0 5 10 25

Scale: 1 inch = 25 feet

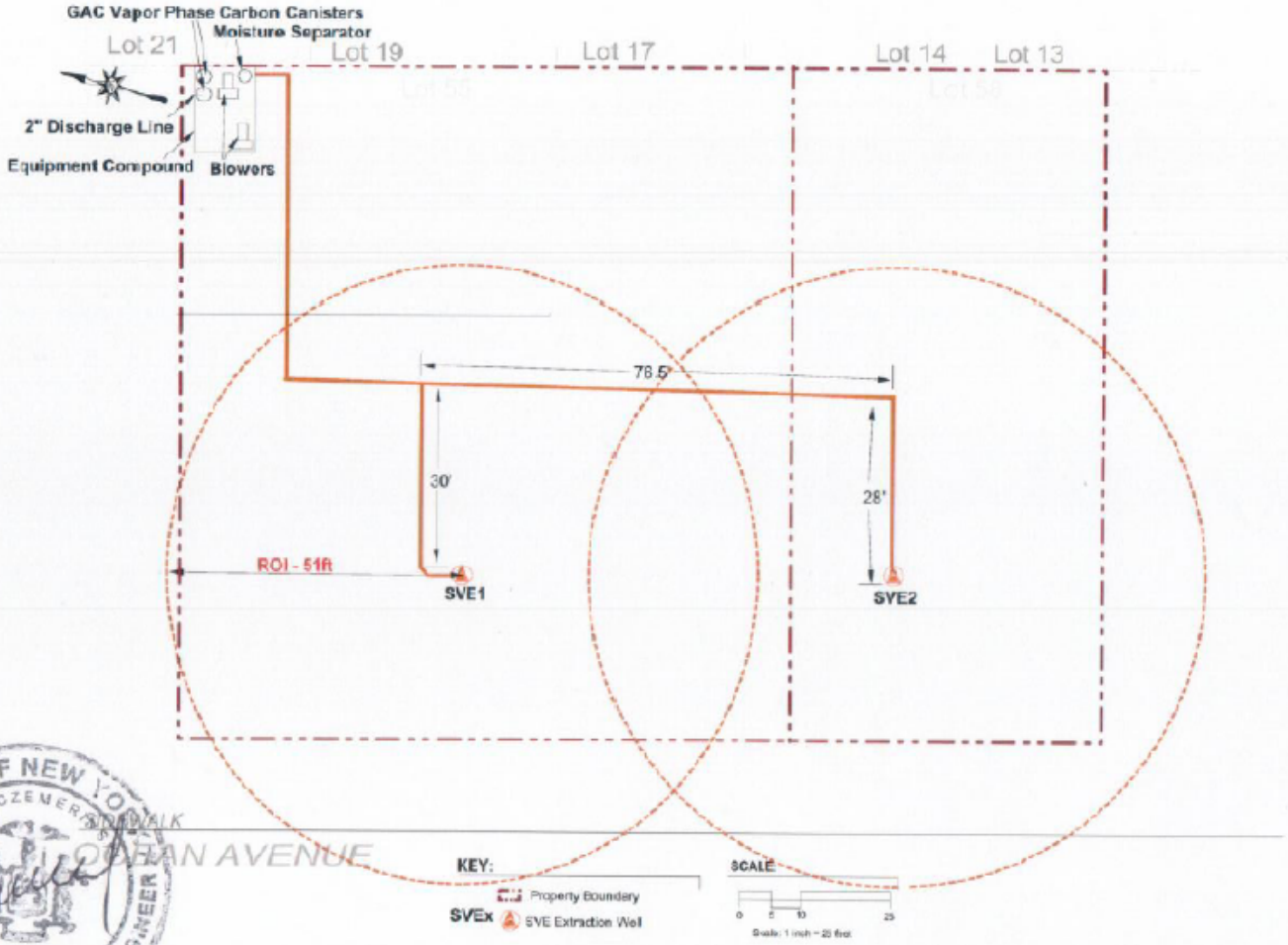
AMC Engineeting, PLLC
18-36 42nd Street
Astoria, NY 11105

Figure No. **1**

Site Name: FORMER TOMAT SERVICE STATION

Site Address: 1815-1825 Ocean Avenue, Brooklyn, NY

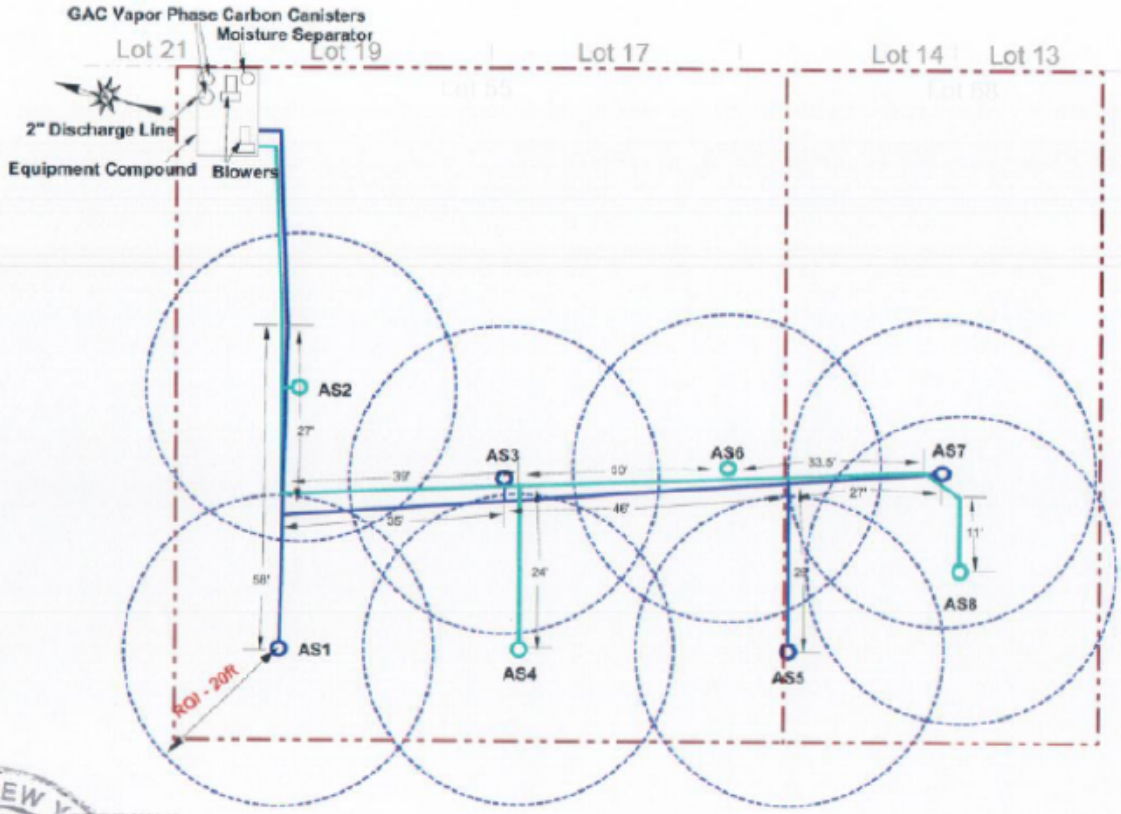
Drawing Title: Monitoring Well Locations



ANC Engineering, PLLC
18-36 42nd Street
Astoria, NY 11105

Figure No. 8

Site Name: TOMAT SERVICE STATION
Site Address: 1315-1825 OCEAN AVENUE, BROOKLYN, NY
Drawing Title: SOIL VAPOR EXTRACTION SYSTEM LAYOUT



SIDEWALK

OCEAN AVENUE

KEY:

Property Boundary

ASx Air Sparging Point (Leg 1)

ASx Air Sparging Point (Leg 2)

SCALE:

0 5 10 20

Scale: 1 inch = 35 feet

STATE OF NEW YORK ★ ARIEL CZEMERINSKI ★ 076506 ★ LICENSED PROFESSIONAL ENGINEER

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

Figure No. 9

Site Name: TOMAT SERVICE STATION

Site Address: 1815-1825 OCEAN AVENUE, BROOKLYN, NY

Drawing Title: AIR SPARGE SYSTEM LAYOUT

APPENDIX A

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORMS

1815-1825 Ocean Avenue Brooklyn

GROUNDWATER PURGE / SAMPLE LOGS

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 17GW1

Date: 6-14-18

Well Depth (from TOC): 30

Static Water Level (from TOC): 21.35''

Height of Water in Well: 8.65

Gallons of Water per Well Volume: 0.29

Flow Rate: 400ml/min.

Equipment: Horiba, Peristaltic Pump.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
9:34	400ml/min	0	7.92	0.549	17.82	7.04	-55	271		light turbidity
9:37		0.33	7.78	0.535	17.54	6.33	-64	139		clear/light turbidity
9:42		0.88	7.80	0.532	17.37	6.15	-74	50.6		clear
9:47		1.43	7.83	0.533	17.38	5.65	-75	tq 20.3		clear
9:52		1.98	7.83	0.532	17.34	6.21	-72	19.1		clear
9:57	↓	2.53	7.85	0.534	17.34	5.09	-70	11.5		clear

Note 400 ml = 0.11 gallons

1815-1825 Ocean Avenue Brooklyn

GROUNDWATER PURGE / SAMPLE LOGS

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 17GW2

Well Depth (from TOC): 20.91

Static Water Level (from TOC): 10.62

Height of Water in Well: 10.29

Gallons of Water per Well Volume: 0.34

Flow Rate: 400ml/min.

Date: 6-14-18

Equipment: Horiba, Peristaltic Pump.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
2:19	400mL/min	0	7.84	0.834	16.26	9.76	-61	138		lightly turbid
2:22		.33	7.86	0.861	16.13	5.65	-47	95.4		clear
2:27		.88	7.88	0.884	16.05	5.05	-44	11.1		clear
2:32		1.43	7.90	0.896	16.03	4.89	-43	13.1		clear
2:37		1.98	7.90	0.902	16.02	4.74	-42	5.6		clear
2:42	↓	2.53	7.90	0.907	16.02	4.65	-40	4.2		clear

Note 400 ml = 0.11 gallons

1815-1825 Ocean Avenue Brooklyn

GROUNDWATER PURGE / SAMPLE LOGS

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 17GW3

Well Depth (from TOC): 18.28

Static Water Level (from TOC): 11.62

Height of Water in Well: 6.66

Gallons of Water per Well Volume: 0.722

Flow Rate: 400ml/min.

Date: 6-14-18

Equipment: Horiba, Peristaltic Pump.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
1:05	400mL/min	0	7.84	.590	15.01	10.54	-15	105		very lightly turbid
1:08		.33	7.70	0.587	14.64	5.33	14	18.9		Clear
1:13		.88	7.72	0.587	14.61	4.97	4	4.9		Clear
1:18		1.43	7.75	0.586	14.59	~~4.73~~ 4.73	0	2.3		Clear
1:23		1.98	7.76	0.585	14.57	4.64	-2	2.2		Clear
1:28		2.53	7.77	0.583	14.57	4.70	-6	2.1		Clear
1:33		3.08	7.77	0.583	14.60	4.86	-7	1.7		Clear

Note 400 ml = 0.11 gallons

1815-1825 Ocean Avenue Brooklyn

GROUNDWATER PURGE / SAMPLE LOGS

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 17GW4

Well Depth (from TOC): 28.25

Static Water Level (from TOC): 21.90

Height of Water in Well: 6.35

Gallons of Water per Well Volume: 0.211

Flow Rate: 400ml/min.

Date: 6-14-18

Equipment: Horiba, Peristaltic Pump.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
10:48	400ml/min	0	7.76	0.247	18.03	8.63	-127	141		very light turbidity
10:51		0.33	7.59	0.240	16.52	6.69	-132	124		very light turbidity
10:56		0.88	7.62	0.243	16.16	5.65	-134	101		very light turbidity
11:01		1.43	7.59	0.244	15.96	5.19	-138	94.0		very light / clear
11:06		1.98	7.60	0.244	15.95	4.98	-139	89.3		Clear
11:11		2.53	7.62	0.245	15.94	4.66	-141	86.0		clear
11:16	↓	3.08	7.62	0.245	15.95	4.38	-141	75.3		clear

Note 400 ml = 0.11 gallons

1815-1825 Ocean Avenue Brooklyn

GROUNDWATER PURGE / SAMPLE LOGS

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 17GW5

Well Depth (from TOC): 20.84

Static Water Level (from TOC): 11.59

Height of Water in Well: 9.25

Gallons of Water per Well Volume: 0.31

Flow Rate: 400ml/min.

Date: 6-14-18

Equipment: Horiba, Peristaltic Pump.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
12:02	400mL/min	0	7.62	.410	15.85	7.65	-61	47.8		Clear
12:07		.33	7.61	.381	15.33	7.27	-90	11.0		Clear
12:12		.88	7.73	~~.36~~ .376	15.34	5.90	-100	8.7		Clear
12:17		1.43	7.74	0.373	15.34	5.66	-105	5.9		Clear
12:22		1.98	7.75	0.373	15.32	5.33	-106	5.3		Clear
12:27		2.53	7.78	0.372	15.34	4.99	-107	7.2		Clear
12:32		3.08	7.78	0.371	15.30	4.80	-109	5.9		Clear
12:37		3.65	7.79	0.370	15.29	4.55	-109	5.3		Clear

Note 400 ml = 0.11 gallons

1815-1825 Ocean Avenue Brooklyn

GROUNDWATER PURGE / SAMPLE LOGS

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 17GW6

Well Depth (from TOC): 19.6

Static Water Level (from TOC): 11.63

Height of Water in Well: 7.97

Gallons of Water per Well Volume: 0.27

Flow Rate: 400ml/min.

Date: 6-14-18

Equipment: Horiba, Peristaltic Pump.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
2:58	400ml/min	0	7.74	0.524	15.41	7.35	-79	247		Turbid
~~2:53~~ 3:02		.33	7.73	0.414	14.92	5.93	-79	241		Turbid
~~2:58~~ 3:07		.88	7.80	0.380	14.98	5.03	-81	127		light turbidity
~~3:03~~ 3:12		1.43	7.79	0.379	15.01	4.83	-82	26.5		Clear
~~3:08~~ 3:17		1.99	7.79	0.371	15.00	4.78	-82	13.7		clear
~~3:13~~ 3:22		2.53	7.79	0.366	14.99	4.78	-82	10.9		clear

Note 400 ml = 0.11 gallons

APPENDIX B

Groundwater Laboratory Reports

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 19, 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:	TG	06/14/18	9:57
Location Code:	EBC	Received by:	B	06/15/18	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCA71865
Phoenix ID: CA71865

Project ID: 1815 OCEAN AVE BROOKLYN NY
Client ID: 17GW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
1,1,1-Trichloroethane	ND	5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
1,1,2-Trichloroethane	ND	2.5	2.5	ug/L	10	06/18/18	PS	SW8260C	
1,1-Dichloroethane	ND	5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
1,1-Dichloroethene	ND	5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
1,1-Dichloropropene	ND	5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
1,2,3-Trichlorobenzene	ND	10	2.5	ug/L	10	06/18/18	PS	SW8260C	
1,2,3-Trichloropropane	ND	2.5	2.5	ug/L	10	06/18/18	PS	SW8260C	
1,2,4-Trichlorobenzene	ND	10	2.5	ug/L	10	06/18/18	PS	SW8260C	
1,2,4-Trimethylbenzene	110	5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.0	5.0	ug/L	10	06/18/18	PS	SW8260C	
1,2-Dibromoethane	ND	2.5	2.5	ug/L	10	06/18/18	PS	SW8260C	
1,2-Dichlorobenzene	ND	4.7	2.5	ug/L	10	06/18/18	PS	SW8260C	
1,2-Dichloroethane	ND	5.0	5.0	ug/L	10	06/18/18	PS	SW8260C	
1,2-Dichloropropane	ND	2.5	2.5	ug/L	10	06/18/18	PS	SW8260C	
1,3,5-Trimethylbenzene	9.2	5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
1,3-Dichlorobenzene	ND	3.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
1,3-Dichloropropane	ND	5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
1,4-Dichlorobenzene	ND	5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
2,2-Dichloropropane	ND	5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
2-Chlorotoluene	ND	5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
2-Hexanone	ND	25	25	ug/L	10	06/18/18	PS	SW8260C	
2-Isopropyltoluene	ND	5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	1
4-Chlorotoluene	ND	5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
4-Methyl-2-pentanone	ND	25	25	ug/L	10	06/18/18	PS	SW8260C	

Project ID: 1815 OCEAN AVE BROOKLYN NY
Client ID: 17GW1

Phoenix I.D.: CA71865

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		50	25	ug/L	10	06/18/18	PS	SW8260C	
Acrolein	ND		5.0	5.0	ug/L	10	06/18/18	PS	SW8260C	
Acrylonitrile	ND		5.0	5.0	ug/L	10	06/18/18	PS	SW8260C	
Benzene	ND		2.5	2.5	ug/L	10	06/18/18	PS	SW8260C	
Bromobenzene	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
Bromochloromethane	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
Bromodichloromethane	ND		10	2.5	ug/L	10	06/18/18	PS	SW8260C	
Bromoform	ND		50	2.5	ug/L	10	06/18/18	PS	SW8260C	
Bromomethane	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
Carbon Disulfide	ND		10	2.5	ug/L	10	06/18/18	PS	SW8260C	
Carbon tetrachloride	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
Chlorobenzene	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
Chloroethane	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
Chloroform	ND		7.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
Chloromethane	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
cis-1,2-Dichloroethene	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
cis-1,3-Dichloropropene	ND		2.5	2.5	ug/L	10	06/18/18	PS	SW8260C	
Dibromochloromethane	ND		10	2.5	ug/L	10	06/18/18	PS	SW8260C	
Dibromomethane	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
Dichlorodifluoromethane	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
Ethylbenzene	80		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
Hexachlorobutadiene	ND		2.0	2.0	ug/L	10	06/18/18	PS	SW8260C	
Isopropylbenzene	12		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
m&p-Xylene	54		10	2.5	ug/L	10	06/18/18	PS	SW8260C	
Methyl ethyl ketone	ND		25	25	ug/L	10	06/18/18	PS	SW8260C	
Methyl t-butyl ether (MTBE)	ND		10	2.5	ug/L	10	06/18/18	PS	SW8260C	
Methylene chloride	ND		5.0	5.0	ug/L	10	06/18/18	PS	SW8260C	
Naphthalene	42		10	10	ug/L	10	06/18/18	PS	SW8260C	
n-Butylbenzene	2.6	J	5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
n-Propylbenzene	25		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
o-Xylene	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
p-Isopropyltoluene	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
sec-Butylbenzene	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
Styrene	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
tert-Butylbenzene	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
Tetrachloroethene	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
Tetrahydrofuran (THF)	ND		50	25	ug/L	10	06/18/18	PS	SW8260C	1
Toluene	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
trans-1,3-Dichloropropene	ND		2.5	2.5	ug/L	10	06/18/18	PS	SW8260C	
trans-1,4-dichloro-2-butene	ND		25	25	ug/L	10	06/18/18	PS	SW8260C	
Trichloroethene	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
Trichlorofluoromethane	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
Trichlorotrifluoroethane	ND		5.0	2.5	ug/L	10	06/18/18	PS	SW8260C	
Vinyl chloride	ND		2.0	2.0	ug/L	10	06/18/18	PS	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	99				%	10	06/18/18	PS	70 - 130 %	
% Bromofluorobenzene	100				%	10	06/18/18	PS	70 - 130 %	
% Dibromofluoromethane	107				%	10	06/18/18	PS	70 - 130 %	

Project ID: 1815 OCEAN AVE BROOKLYN NY
Client ID: 17GW1

Phoenix I.D.: CA71865

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	100			%	10	06/18/18	PS	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	06/16/18	MH	SW8260C	
Acrylonitrile	ND	5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Tert-butyl alcohol	ND	50	10	ug/L	1	06/16/18	MH	SW8260C	
Client MS/MSD	Completed					06/16/18			
1,4-dioxane									
1,4-dioxane	ND	0.20	0.20	ug/l	1	06/16/18	LA	SW8270DSIM	1
QA/QC Surrogates									
% 1,4-dioxane-d8	88			%	1	06/16/18	LA	30 - 130 %	
Extraction for 1,4-Dioxane	Completed					06/15/18	LA/LA		

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 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:
Due to the presence of a large amount of non-target petroleum material, this sample required a dilution. 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
June 19, 2018
Official Report Release To Follow

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 19, 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:	TG	06/14/18	14:42
Location Code:	EBC	Received by:	B	06/15/18	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCA71865
Phoenix ID: CA71866

Project ID: 1815 OCEAN AVE BROOKLYN NY
Client ID: 17GW2

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	06/18/18	MH	SW8260C	
1,1,1-Trichloroethane	ND		5.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,1-Dichloroethane	ND		5.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,2,3-Trichloropropane	ND		0.25	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,2,4-Trimethylbenzene	2.1		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		0.50	0.50	ug/L	1	06/18/18	MH	SW8260C	
1,2-Dibromoethane	ND		0.25	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,2-Dichloroethane	ND		0.60	0.50	ug/L	1	06/18/18	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,3,5-Trimethylbenzene	0.54	J	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	06/18/18	MH	SW8260C	
2-Isopropyltoluene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	06/18/18	MH	SW8260C	

Project ID: 1815 OCEAN AVE BROOKLYN NY
Client ID: 17GW2

Phoenix I.D.: CA71866

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	06/18/18	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	06/18/18	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	06/18/18	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	06/18/18	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	06/18/18	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Ethylbenzene	0.69	J	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	06/18/18	MH	SW8260C	
Isopropylbenzene	0.29	J	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
m&p-Xylene	0.53	J	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	06/18/18	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	06/18/18	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	06/18/18	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
n-Propylbenzene	0.67	J	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	06/18/18	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	06/18/18	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	06/18/18	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	98				%	1	06/18/18	MH	70 - 130 %	
% Bromofluorobenzene	100				%	1	06/18/18	MH	70 - 130 %	
% Dibromofluoromethane	103				%	1	06/18/18	MH	70 - 130 %	

Project ID: 1815 OCEAN AVE BROOKLYN NY
Client ID: 17GW2

Phoenix I.D.: CA71866

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	101			%	1	06/18/18	MH	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	06/18/18	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	06/18/18	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	06/18/18	MH	SW8260C

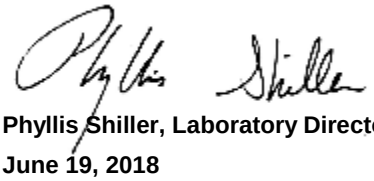
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low 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.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
June 19, 2018
Official Report Release To Follow

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 19, 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:	TG	06/14/18	13:33
Location Code:	EBC	Received by:	B	06/15/18	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCA71865
Phoenix ID: CA71867

Project ID: 1815 OCEAN AVE BROOKLYN NY
Client ID: 17GW3

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	06/16/18	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2,4-Trimethylbenzene	420	13	13	ug/L	50	06/18/18	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	06/16/18	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	06/16/18	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,3,5-Trimethylbenzene	66	5.0	2.5	ug/L	10	06/18/18	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	06/16/18	MH	SW8260C	
2-Isopropyltoluene	1.2	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	06/16/18	MH	SW8260C	

Project ID: 1815 OCEAN AVE BROOKLYN NY
Client ID: 17GW3

Phoenix I.D.: CA71867

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	06/16/18	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	06/16/18	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	06/16/18	MH	SW8260C	
Benzene	2.3		0.70	0.25	ug/L	1	06/16/18	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Carbon Disulfide	0.38	J	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	06/16/18	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Ethylbenzene	200		5.0	2.5	ug/L	10	06/18/18	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	06/16/18	MH	SW8260C	
Isopropylbenzene	24		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
m&p-Xylene	34		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	06/16/18	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	06/16/18	MH	SW8260C	
Naphthalene	100		10	10	ug/L	10	06/18/18	MH	SW8260C	
n-Butylbenzene	4.8		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
n-Propylbenzene	59		5.0	2.5	ug/L	10	06/18/18	MH	SW8260C	
o-Xylene	6.2		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
p-Isopropyltoluene	2.8		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
sec-Butylbenzene	3.5		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	06/16/18	MH	SW8260C	1
Toluene	2.7		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	06/16/18	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	06/16/18	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	96				%	1	06/16/18	MH	70 - 130 %	
% Bromofluorobenzene	102				%	1	06/16/18	MH	70 - 130 %	
% Dibromofluoromethane	103				%	1	06/16/18	MH	70 - 130 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	104			%	1	06/16/18	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	06/16/18	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	1	06/16/18	MH	70 - 130 %
% Bromofluorobenzene	102			%	1	06/16/18	MH	70 - 130 %
% Toluene-d8	104			%	1	06/16/18	MH	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	06/16/18	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	06/16/18	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	06/16/18	MH	SW8260C

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

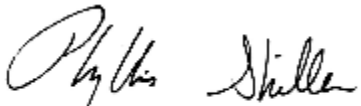
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab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

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

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



Phyllis Shiller, Laboratory Director
June 19, 2018
Official Report Release To Follow

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 19, 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:	TG	06/14/18	11:16
Location Code:	EBC	Received by:	B	06/15/18	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCA71865
Phoenix ID: CA71868

Project ID: 1815 OCEAN AVE BROOKLYN NY
Client ID: 17GW4

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	06/18/18	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,2,4-Trimethylbenzene	5.1	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	06/18/18	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	06/18/18	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	06/18/18	MH	SW8260C	
2-Isopropyltoluene	2.6	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	06/18/18	MH	SW8260C	

Project ID: 1815 OCEAN AVE BROOKLYN NY
Client ID: 17GW4

Phoenix I.D.: CA71868

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	06/18/18	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	06/18/18	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	06/18/18	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	06/18/18	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	06/18/18	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Ethylbenzene	0.98	J	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	06/18/18	MH	SW8260C	
Isopropylbenzene	8.7		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	06/18/18	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	06/18/18	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	06/18/18	MH	SW8260C	
n-Butylbenzene	14		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
n-Propylbenzene	30		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
p-Isopropyltoluene	2.1		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
sec-Butylbenzene	6.5		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
tert-Butylbenzene	0.92	J	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	06/18/18	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	06/18/18	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	06/18/18	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	97				%	1	06/18/18	MH	70 - 130 %	
% Bromofluorobenzene	108				%	1	06/18/18	MH	70 - 130 %	
% Dibromofluoromethane	105				%	1	06/18/18	MH	70 - 130 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	104			%	1	06/18/18	MH	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	06/18/18	MH	SW8260C	
Acrylonitrile	ND	5.0	0.25	ug/L	1	06/18/18	MH	SW8260C	
Tert-butyl alcohol	ND	50	10	ug/L	1	06/18/18	MH	SW8260C	
1,4-dioxane									
1,4-dioxane	ND	0.20	0.20	ug/l	1	06/16/18	LA	SW8270DSIM	1
QA/QC Surrogates									
% 1,4-dioxane-d8	85			%	1	06/16/18	LA	30 - 130 %	
Extraction for 1,4-Dioxane	Completed					06/15/18	LA/LA		

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 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.

Volatile Comment:
The sample was analyzed multiple times for volatiles. Subsequent dilutions did not correlate well with original analysis results. The higher results are reported.

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

Phyllis Shiller, Laboratory Director
June 19, 2018
Official Report Release To Follow

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 19, 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:	TG	06/14/18	12:37
Location Code:	EBC	Received by:	B	06/15/18	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCA71865
Phoenix ID: CA71869

Project ID: 1815 OCEAN AVE BROOKLYN NY
Client ID: 17GW5

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	06/16/18	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2,4-Trimethylbenzene	160	5.0	2.5	ug/L	10	06/18/18	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	06/16/18	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	06/16/18	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,3,5-Trimethylbenzene	12	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	06/16/18	MH	SW8260C	
2-Isopropyltoluene	5.4	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	06/16/18	MH	SW8260C	

Project ID: 1815 OCEAN AVE BROOKLYN NY
Client ID: 17GW5

Phoenix I.D.: CA71869

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	06/16/18	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	06/16/18	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	06/16/18	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	06/16/18	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	06/16/18	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Ethylbenzene	25		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	06/16/18	MH	SW8260C	
Isopropylbenzene	55		5.0	2.5	ug/L	10	06/18/18	MH	SW8260C	
m&p-Xylene	13		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	06/16/18	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	06/16/18	MH	SW8260C	
Naphthalene	120		10	10	ug/L	10	06/18/18	MH	SW8260C	
n-Butylbenzene	15		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
n-Propylbenzene	130		5.0	2.5	ug/L	10	06/18/18	MH	SW8260C	
o-Xylene	0.58	J	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
p-Isopropyltoluene	6.3		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
sec-Butylbenzene	11		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
tert-Butylbenzene	1.3		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	06/16/18	MH	SW8260C	1
Toluene	0.72	J	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	06/16/18	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	06/16/18	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	97				%	1	06/16/18	MH	70 - 130 %	
% Bromofluorobenzene	116				%	1	06/16/18	MH	70 - 130 %	
% Dibromofluoromethane	105				%	1	06/16/18	MH	70 - 130 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	105			%	1	06/16/18	MH	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	06/16/18	MH	SW8260C	
Acrylonitrile	ND	5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Tert-butyl alcohol	ND	50	10	ug/L	1	06/16/18	MH	SW8260C	
1,4-dioxane									
1,4-dioxane	ND	0.20	0.20	ug/l	1	06/16/18	LA	SW8270DSIM	1
QA/QC Surrogates									
% 1,4-dioxane-d8	93			%	1	06/16/18	LA	30 - 130 %	
Extraction for 1,4-Dioxane	Completed					06/15/18	LA/LA		

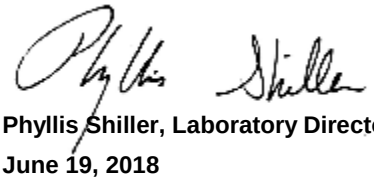
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low 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.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
June 19, 2018
Official Report Release To Follow

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 19, 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:	TG	06/14/18	15:22
Location Code:	EBC	Received by:	B	06/15/18	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCA71865
Phoenix ID: CA71870

Project ID: 1815 OCEAN AVE BROOKLYN NY
Client ID: 17GW6

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
1,1,1-Trichloroethane	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
1,1,2-Trichloroethane	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
1,1-Dichloroethane	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
1,1-Dichloroethene	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
1,1-Dichloropropene	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
1,2,3-Trichlorobenzene	ND	20	5.0	ug/L	20	06/19/18	PS	SW8260C	
1,2,3-Trichloropropane	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
1,2,4-Trichlorobenzene	ND	20	5.0	ug/L	20	06/19/18	PS	SW8260C	
1,2,4-Trimethylbenzene	1700	25	25	ug/L	100	06/19/18	PS	SW8260C	
1,2-Dibromo-3-chloropropane	ND	10	10	ug/L	20	06/19/18	PS	SW8260C	
1,2-Dibromoethane	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
1,2-Dichlorobenzene	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
1,2-Dichloroethane	ND	10	10	ug/L	20	06/19/18	PS	SW8260C	
1,2-Dichloropropane	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
1,3,5-Trimethylbenzene	240	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
1,3-Dichlorobenzene	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
1,3-Dichloropropane	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
1,4-Dichlorobenzene	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
2,2-Dichloropropane	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
2-Chlorotoluene	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
2-Hexanone	ND	50	50	ug/L	20	06/19/18	PS	SW8260C	
2-Isopropyltoluene	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	1
4-Chlorotoluene	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
4-Methyl-2-pentanone	ND	50	50	ug/L	20	06/19/18	PS	SW8260C	

Project ID: 1815 OCEAN AVE BROOKLYN NY
Client ID: 17GW6

Phoenix I.D.: CA71870

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	50	50	ug/L	20	06/19/18	PS	SW8260C	
Acrolein	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
Acrylonitrile	ND	10	10	ug/L	20	06/19/18	PS	SW8260C	
Benzene	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
Bromobenzene	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
Bromochloromethane	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
Bromodichloromethane	ND	20	5.0	ug/L	20	06/19/18	PS	SW8260C	
Bromoform	ND	50	5.0	ug/L	20	06/19/18	PS	SW8260C	
Bromomethane	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
Carbon Disulfide	ND	20	5.0	ug/L	20	06/19/18	PS	SW8260C	
Carbon tetrachloride	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
Chlorobenzene	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
Chloroethane	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
Chloroform	ND	7.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
Chloromethane	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
cis-1,2-Dichloroethene	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
cis-1,3-Dichloropropene	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
Dibromochloromethane	ND	20	5.0	ug/L	20	06/19/18	PS	SW8260C	
Dibromomethane	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
Dichlorodifluoromethane	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
Ethylbenzene	970	13	13	ug/L	50	06/19/18	PS	SW8260C	
Hexachlorobutadiene	ND	4.0	4.0	ug/L	20	06/19/18	PS	SW8260C	
Isopropylbenzene	89	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
m&p-Xylene	1600	50	13	ug/L	50	06/19/18	PS	SW8260C	
Methyl ethyl ketone	ND	50	50	ug/L	20	06/19/18	PS	SW8260C	
Methyl t-butyl ether (MTBE)	ND	20	5.0	ug/L	20	06/19/18	PS	SW8260C	
Methylene chloride	ND	10	10	ug/L	20	06/19/18	PS	SW8260C	
Naphthalene	470	20	20	ug/L	20	06/19/18	PS	SW8260C	
n-Butylbenzene	16	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
n-Propylbenzene	160	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
o-Xylene	75	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
p-Isopropyltoluene	10	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
sec-Butylbenzene	11	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
Styrene	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
tert-Butylbenzene	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
Tetrachloroethene	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
Tetrahydrofuran (THF)	ND	50	50	ug/L	20	06/19/18	PS	SW8260C	1
Toluene	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
trans-1,3-Dichloropropene	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
trans-1,4-dichloro-2-butene	ND	50	50	ug/L	20	06/19/18	PS	SW8260C	
Trichloroethene	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
Trichlorofluoromethane	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
Trichlorotrifluoroethane	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C	
Vinyl chloride	ND	4.0	4.0	ug/L	20	06/19/18	PS	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	97			%	20	06/19/18	PS	70 - 130 %	
% Bromofluorobenzene	100			%	20	06/19/18	PS	70 - 130 %	
% Dibromofluoromethane	104			%	20	06/19/18	PS	70 - 130 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100			%	20	06/19/18	PS	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	2000	1000	ug/l	20	06/19/18	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97			%	20	06/19/18	MH	70 - 130 %
% Bromofluorobenzene	100			%	20	06/19/18	MH	70 - 130 %
% Toluene-d8	100			%	20	06/19/18	MH	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C
Acrolein	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C
Acrylonitrile	ND	5.0	5.0	ug/L	20	06/19/18	PS	SW8260C
Tert-butyl alcohol	ND	1000	200	ug/L	20	06/19/18	PS	SW8260C

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:

Volatile Comment:
Due to the presence of a large amount of non-target petroleum material, this sample required a dilution. 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
June 19, 2018
Official Report Release To Follow

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 19, 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:	TG	06/14/18	
Location Code:	EBC	Received by:	B	06/15/18	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCA71865
Phoenix ID: CA71871

Project ID: 1815 OCEAN AVE BROOKLYN NY
Client ID: GW DUPLICATE

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1,1-Trichloroethane	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1-Dichloroethane	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2,3-Trichloropropane	ND		0.25	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2,4-Trimethylbenzene	110		5.0	2.5	ug/L	10	06/19/18	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		0.50	0.50	ug/L	1	06/16/18	MH	SW8260C	
1,2-Dibromoethane	ND		0.25	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2-Dichloroethane	ND		0.60	0.50	ug/L	1	06/16/18	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,3,5-Trimethylbenzene	11		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	06/16/18	MH	SW8260C	
2-Isopropyltoluene	0.91	J	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	06/16/18	MH	SW8260C	

Project ID: 1815 OCEAN AVE BROOKLYN NY
Client ID: GW DUPLICATE

Phoenix I.D.: CA71871

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	06/16/18	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	06/16/18	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	06/16/18	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	06/16/18	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	06/16/18	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Ethylbenzene	81		5.0	2.5	ug/L	10	06/19/18	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	06/16/18	MH	SW8260C	
Isopropylbenzene	12		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
m&p-Xylene	57		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	06/16/18	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	06/16/18	MH	SW8260C	
Naphthalene	45		10	10	ug/L	10	06/19/18	MH	SW8260C	
n-Butylbenzene	2.2		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
n-Propylbenzene	24		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
p-Isopropyltoluene	1.1		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
sec-Butylbenzene	1.8		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Tetrachloroethene	0.36	J	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	06/16/18	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	06/16/18	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	06/16/18	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	97				%	1	06/16/18	MH	70 - 130 %	
% Bromofluorobenzene	104				%	1	06/16/18	MH	70 - 130 %	
% Dibromofluoromethane	104				%	1	06/16/18	MH	70 - 130 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	102			%	1	06/16/18	MH	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	06/16/18	MH	SW8260C	
Acrylonitrile	ND	5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Tert-butyl alcohol	ND	50	10	ug/L	1	06/16/18	MH	SW8260C	
1,4-dioxane									
1,4-dioxane	ND	0.20	0.20	ug/l	1	06/16/18	LA	SW8270DSIM	1
QA/QC Surrogates									
% 1,4-dioxane-d8	89			%	1	06/16/18	LA	30 - 130 %	
Extraction for 1,4-Dioxane	Completed					06/15/18	LA/LA		

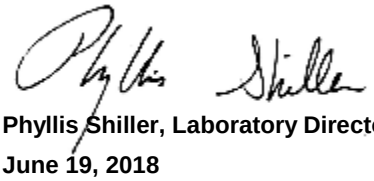
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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



Phyllis Shiller, Laboratory Director
June 19, 2018
Official Report Release To Follow

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 19, 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:	TG	06/14/18	
Location Code:	EBC	Received by:	B	06/15/18	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCA71865
Phoenix ID: CA71872

Project ID: 1815 OCEAN AVE BROOKLYN NY
Client ID: TRIP BLANKS

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	06/16/18	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	06/16/18	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	06/16/18	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	06/16/18	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	06/16/18	MH	SW8260C	

Project ID: 1815 OCEAN AVE BROOKLYN NY
Client ID: TRIP BLANKS

Phoenix I.D.: CA71872

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	4.4	JS	5.0	2.5	ug/L	1	06/16/18	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	06/16/18	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	06/16/18	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	06/16/18	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	06/16/18	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	06/16/18	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	06/16/18	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	06/16/18	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	06/16/18	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	06/16/18	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	06/16/18	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	06/16/18	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	06/16/18	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	98				%	1	06/16/18	MH	70 - 130 %	
% Bromofluorobenzene	99				%	1	06/16/18	MH	70 - 130 %	
% Dibromofluoromethane	106				%	1	06/16/18	MH	70 - 130 %	

Project ID: 1815 OCEAN AVE BROOKLYN NY
Client ID: TRIP BLANKS

Phoenix I.D.: CA71872

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100			%	1	06/16/18	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	06/16/18	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	1	06/16/18	MH	70 - 130 %
% Bromofluorobenzene	99			%	1	06/16/18	MH	70 - 130 %
% Toluene-d8	100			%	1	06/16/18	MH	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/16/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	06/16/18	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	06/16/18	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	06/16/18	MH	SW8260C

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 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:

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.

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
June 19, 2018
Official Report Release To Follow

Sample Criteria Exceedances Report

GCA71865 - EBC

Criteria: NY: 375GWP, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CA71865	$8260DP25R	Naphthalene	NY / TAGM - Semi-Volatiles / Groundwater Standards	42	10	10	10	ug/L
CA71865	$8260DP25R	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	42	10	5	5	ug/L
CA71865	$8260DP25R	Ethylbenzene	NY / TAGM - Volatile Organics / Groundwater Standards	80	5.0	5	5	ug/L
CA71865	$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	2.5	0.7	0.7	ug/L
CA71865	$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria	42	10	10	10	ug/L
CA71865	$8260DP25R	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	1	1	ug/L
CA71865	$8260DP25R	trans-1,4-dichloro-2-butene	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
CA71865	$8260DP25R	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.4	0.4	ug/L
CA71865	$8260DP25R	n-Propylbenzene	NY / TOGS - Water Quality / GA Criteria	25	5.0	5	5	ug/L
CA71865	$8260DP25R	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria	12	5.0	5	5	ug/L
CA71865	$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	2.0	0.5	0.5	ug/L
CA71865	$8260DP25R	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria	80	5.0	5	5	ug/L
CA71865	$8260DP25R	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.4	0.4	ug/L
CA71865	$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	ND	2.5	1	1	ug/L
CA71865	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.04	0.04	ug/L
CA71865	$8260DP25R	1,3,5-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	9.2	5.0	5	5	ug/L
CA71865	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.04	0.04	ug/L
CA71865	$8260DP25R	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	1	1	ug/L
CA71865	$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.6	0.6	ug/L
CA71865	$8260DP25R	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	110	5.0	5	5	ug/L
CA71865	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.0006	0.0006	ug/L
CA71865	$8260DP25R	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	2.5	0.4	0.4	ug/L
CA71865	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	2.5	0.04	0.04	ug/L
CA71865	$8260DP25R	n-Propylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	25	5.0	5	5	ug/L
CA71865	$8260DP25R	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	2.5	1	1	ug/L
CA71865	$8260DP25R	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	110	5.0	5	5	ug/L
CA71865	$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria (SPLP)	42	10	10	10	ug/L
CA71865	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	5.0	0.04	0.04	ug/L
CA71865	$8260DP25R	trans-1,4-dichloro-2-butene	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	25	5	5	ug/L
CA71865	$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	2.0	0.5	0.5	ug/L
CA71865	$8260DP25R	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	80	5.0	5	5	ug/L
CA71865	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	2.5	0.0006	0.0006	ug/L
CA71865	$8260DP25R	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	2.5	0.4	0.4	ug/L
CA71865	$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	5.0	0.6	0.6	ug/L
CA71865	$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	2.5	1	1	ug/L
CA71865	$8260DP25R	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	2.5	1	1	ug/L
CA71865	$8260DP25R	1,3,5-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	9.2	5.0	5	5	ug/L
CA71865	$8260DP25R	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	12	5.0	5	5	ug/L
CA71866	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CA71866	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CA71866	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L

Sample Criteria Exceedances Report

GCA71865 - EBC

Criteria: NY: 375GWP, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CA71866	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.50	0.04	0.04	ug/L
CA71866	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.0006	0.0006	ug/L
CA71866	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.04	0.04	ug/L
CA71867	$8260DP25R	Naphthalene	NY / TAGM - Semi-Volatiles / Groundwater Standards	100	10	10	10	ug/L
CA71867	$8260DP25R	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	100	10	5	5	ug/L
CA71867	$8260DP25R	Ethylbenzene	NY / TAGM - Volatile Organics / Groundwater Standards	200	5.0	5	5	ug/L
CA71867	$8260DP25R	o-Xylene	NY / TAGM - Volatile Organics / Groundwater Standards	6.2	1.0	5	5	ug/L
CA71867	$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	2.3	0.70	0.7	0.7	ug/L
CA71867	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CA71867	$8260DP25R	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria	24	1.0	5	5	ug/L
CA71867	$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria	100	10	10	10	ug/L
CA71867	$8260DP25R	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria	200	5.0	5	5	ug/L
CA71867	$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	2.3	0.70	1	1	ug/L
CA71867	$8260DP25R	n-Propylbenzene	NY / TOGS - Water Quality / GA Criteria	59	5.0	5	5	ug/L
CA71867	$8260DP25R	1,3,5-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	66	5.0	5	5	ug/L
CA71867	$8260DP25R	o-Xylene	NY / TOGS - Water Quality / GA Criteria	6.2	1.0	5	5	ug/L
CA71867	$8260DP25R	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	420	13	5	5	ug/L
CA71867	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CA71867	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CA71867	$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria (SPLP)	100	10	10	10	ug/L
CA71867	$8260DP25R	o-Xylene	NY / TOGS - Water Quality / GA Criteria (SPLP)	6.2	1.0	5	5	ug/L
CA71867	$8260DP25R	n-Propylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	59	5.0	5	5	ug/L
CA71867	$8260DP25R	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	200	5.0	5	5	ug/L
CA71867	$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	2.3	0.70	1	1	ug/L
CA71867	$8260DP25R	1,3,5-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	66	5.0	5	5	ug/L
CA71867	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.0006	0.0006	ug/L
CA71867	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.04	0.04	ug/L
CA71867	$8260DP25R	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	420	13	5	5	ug/L
CA71867	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.50	0.04	0.04	ug/L
CA71867	$8260DP25R	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	24	1.0	5	5	ug/L
CA71868	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CA71868	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.0006	0.0006	ug/L
CA71868	$8260DP25R	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria	8.7	1.0	5	5	ug/L
CA71868	$8260DP25R	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	8.7	1.0	5	5	ug/L
CA71868	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CA71868	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.04	0.04	ug/L
CA71868	$8260DP25R	n-Propylbenzene	NY / TOGS - Water Quality / GA Criteria	30	1.0	5	5	ug/L
CA71868	$8260DP25R	n-Propylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	30	1.0	5	5	ug/L
CA71868	$8260DP25R	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	5.1	1.0	5	5	ug/L
CA71868	$8260DP25R	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	5.1	1.0	5	5	ug/L

Sample Criteria Exceedances Report

GCA71865 - EBC

Criteria: NY: 375GWP, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CA71868	$8260DP25R	sec-Butylbenzene	NY / TOGS - Water Quality / GA Criteria	6.5	1.0	5	5	ug/L
CA71868	$8260DP25R	sec-Butylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	6.5	1.0	5	5	ug/L
CA71868	$8260DP25R	n-Butylbenzene	NY / TOGS - Water Quality / GA Criteria	14	1.0	5	5	ug/L
CA71868	$8260DP25R	n-Butylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	14	1.0	5	5	ug/L
CA71868	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CA71868	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.50	0.04	0.04	ug/L
CA71869	$8260DP25R	Naphthalene	NY / TAGM - Semi-Volatiles / Groundwater Standards	120	10	10	10	ug/L
CA71869	$8260DP25R	Ethylbenzene	NY / TAGM - Volatile Organics / Groundwater Standards	25	1.0	5	5	ug/L
CA71869	$8260DP25R	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	120	10	5	5	ug/L
CA71869	$8260DP25R	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	160	5.0	5	5	ug/L
CA71869	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CA71869	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CA71869	$8260DP25R	1,3,5-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	12	1.0	5	5	ug/L
CA71869	$8260DP25R	2-Isopropyltoluene	NY / TOGS - Water Quality / GA Criteria	5.4	1.0	5	5	ug/L
CA71869	$8260DP25R	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria	25	1.0	5	5	ug/L
CA71869	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CA71869	$8260DP25R	p-Isopropyltoluene	NY / TOGS - Water Quality / GA Criteria	6.3	1.0	5	5	ug/L
CA71869	$8260DP25R	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria	55	5.0	5	5	ug/L
CA71869	$8260DP25R	sec-Butylbenzene	NY / TOGS - Water Quality / GA Criteria	11	1.0	5	5	ug/L
CA71869	$8260DP25R	n-Propylbenzene	NY / TOGS - Water Quality / GA Criteria	130	5.0	5	5	ug/L
CA71869	$8260DP25R	n-Butylbenzene	NY / TOGS - Water Quality / GA Criteria	15	1.0	5	5	ug/L
CA71869	$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria	120	10	10	10	ug/L
CA71869	$8260DP25R	n-Propylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	130	5.0	5	5	ug/L
CA71869	$8260DP25R	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	25	1.0	5	5	ug/L
CA71869	$8260DP25R	2-Isopropyltoluene	NY / TOGS - Water Quality / GA Criteria (SPLP)	5.4	1.0	5	5	ug/L
CA71869	$8260DP25R	p-Isopropyltoluene	NY / TOGS - Water Quality / GA Criteria (SPLP)	6.3	1.0	5	5	ug/L
CA71869	$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria (SPLP)	120	10	10	10	ug/L
CA71869	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.04	0.04	ug/L
CA71869	$8260DP25R	sec-Butylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	11	1.0	5	5	ug/L
CA71869	$8260DP25R	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	160	5.0	5	5	ug/L
CA71869	$8260DP25R	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	55	5.0	5	5	ug/L
CA71869	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.50	0.04	0.04	ug/L
CA71869	$8260DP25R	n-Butylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	15	1.0	5	5	ug/L
CA71869	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.0006	0.0006	ug/L
CA71869	$8260DP25R	1,3,5-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	12	1.0	5	5	ug/L
CA71870	$8260DP25R	Naphthalene	NY / TAGM - Semi-Volatiles / Groundwater Standards	470	20	10	10	ug/L
CA71870	$8260DP25R	o-Xylene	NY / TAGM - Volatile Organics / Groundwater Standards	75	5.0	5	5	ug/L
CA71870	$8260DP25R	1,2-Dichloroethane	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
CA71870	$8260DP25R	1,2-Dichlorobenzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	4.7	4.7	ug/L
CA71870	$8260DP25R	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	470	20	5	5	ug/L

Sample Criteria Exceedances Report

GCA71865 - EBC

Criteria: NY: 375GWP, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CA71870	$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	0.7	0.7	ug/L
CA71870	$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	ND	4.0	2	2	ug/L
CA71870	$8260DP25R	Ethylbenzene	NY / TAGM - Volatile Organics / Groundwater Standards	970	13	5	5	ug/L
CA71870	$8260DP25R	Methylene chloride	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
CA71870	$8260DP25R	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria	89	5.0	5	5	ug/L
CA71870	$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	4.0	0.5	0.5	ug/L
CA71870	$8260DP25R	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria	970	13	5	5	ug/L
CA71870	$8260DP25R	Methylene chloride	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
CA71870	$8260DP25R	trans-1,4-dichloro-2-butene	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
CA71870	$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria	470	20	10	10	ug/L
CA71870	$8260DP25R	n-Butylbenzene	NY / TOGS - Water Quality / GA Criteria	16	5.0	5	5	ug/L
CA71870	$8260DP25R	n-Propylbenzene	NY / TOGS - Water Quality / GA Criteria	160	5.0	5	5	ug/L
CA71870	$8260DP25R	o-Xylene	NY / TOGS - Water Quality / GA Criteria	75	5.0	5	5	ug/L
CA71870	$8260DP25R	p-Isopropyltoluene	NY / TOGS - Water Quality / GA Criteria	10	5.0	5	5	ug/L
CA71870	$8260DP25R	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
CA71870	$8260DP25R	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
CA71870	$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	ND	4.0	2	2	ug/L
CA71870	$8260DP25R	sec-Butylbenzene	NY / TOGS - Water Quality / GA Criteria	11	5.0	5	5	ug/L
CA71870	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.04	0.04	ug/L
CA71870	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.0006	0.0006	ug/L
CA71870	$8260DP25R	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	1700	25	5	5	ug/L
CA71870	$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	10	0.6	0.6	ug/L
CA71870	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	10	0.04	0.04	ug/L
CA71870	$8260DP25R	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
CA71870	$8260DP25R	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
CA71870	$8260DP25R	1,3,5-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	240	5.0	5	5	ug/L
CA71870	$8260DP25R	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	3	3	ug/L
CA71870	$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
CA71870	$8260DP25R	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	5.0	0.4	0.4	ug/L
CA71870	$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	5.0	1	1	ug/L
CA71870	$8260DP25R	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	5.0	1	1	ug/L
CA71870	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	5.0	0.04	0.04	ug/L
CA71870	$8260DP25R	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	89	5.0	5	5	ug/L
CA71870	$8260DP25R	p-Isopropyltoluene	NY / TOGS - Water Quality / GA Criteria (SPLP)	10	5.0	5	5	ug/L
CA71870	$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	4.0	2	2	ug/L
CA71870	$8260DP25R	o-Xylene	NY / TOGS - Water Quality / GA Criteria (SPLP)	75	5.0	5	5	ug/L
CA71870	$8260DP25R	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	1700	25	5	5	ug/L
CA71870	$8260DP25R	sec-Butylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	11	5.0	5	5	ug/L
CA71870	$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	4.0	0.5	0.5	ug/L
CA71870	$8260DP25R	trans-1,4-dichloro-2-butene	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	50	5	5	ug/L
CA71870	$8260DP25R	n-Propylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	160	5.0	5	5	ug/L
CA71870	$8260DP25R	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	970	13	5	5	ug/L

Sample Criteria Exceedances Report

GCA71865 - EBC

Criteria: NY: 375GWP, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CA71870	$8260DP25R	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	5.0	0.4	0.4	ug/L
CA71870	$8260DP25R	1,3,5-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	240	5.0	5	5	ug/L
CA71870	$8260DP25R	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	5.0	1	1	ug/L
CA71870	$8260DP25R	Methylene chloride	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	10	5	5	ug/L
CA71870	$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	10	0.6	0.6	ug/L
CA71870	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	5.0	0.0006	0.0006	ug/L
CA71870	$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria (SPLP)	470	20	10	10	ug/L
CA71870	$8260DP25R	n-Butylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	16	5.0	5	5	ug/L
CA71870	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	10	0.04	0.04	ug/L
CA71870	$8260DP25R	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	5.0	3	3	ug/L
CA71871	$8260DP25R	Naphthalene	NY / TAGM - Semi-Volatiles / Groundwater Standards	45	10	10	10	ug/L
CA71871	$8260DP25R	Ethylbenzene	NY / TAGM - Volatile Organics / Groundwater Standards	81	5.0	5	5	ug/L
CA71871	$8260DP25R	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	45	10	5	5	ug/L
CA71871	$8260DP25R	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria	81	5.0	5	5	ug/L
CA71871	$8260DP25R	1,3,5-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	11	1.0	5	5	ug/L
CA71871	$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria	45	10	10	10	ug/L
CA71871	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CA71871	$8260DP25R	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	110	5.0	5	5	ug/L
CA71871	$8260DP25R	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria	12	1.0	5	5	ug/L
CA71871	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CA71871	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CA71871	$8260DP25R	n-Propylbenzene	NY / TOGS - Water Quality / GA Criteria	24	1.0	5	5	ug/L
CA71871	$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria (SPLP)	45	10	10	10	ug/L
CA71871	$8260DP25R	n-Propylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	24	1.0	5	5	ug/L
CA71871	$8260DP25R	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	12	1.0	5	5	ug/L
CA71871	$8260DP25R	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	81	5.0	5	5	ug/L
CA71871	$8260DP25R	1,3,5-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	11	1.0	5	5	ug/L
CA71871	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.50	0.04	0.04	ug/L
CA71871	$8260DP25R	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	110	5.0	5	5	ug/L
CA71871	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.04	0.04	ug/L
CA71871	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.0006	0.0006	ug/L
CA71872	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CA71872	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CA71872	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CA71872	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.0006	0.0006	ug/L
CA71872	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.04	0.04	ug/L
CA71872	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.50	0.04	0.04	ug/L

Sample Criteria Exceedances Report

GCA71865 - EBC

Criteria: NY: 375GWP, GW
State: NY

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

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

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]

NY/NJ CHAIN OF CUSTODY RECORD

Temp 2.2 C Pg 1 of 1

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

Contact Options:
[ ] Fax:
[ ] Phone: 631-504-6000
[X] Email:

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

Project: 1815 Ocean Avenue Brooklyn NY
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants
Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Thomas Gallo Date: 6-14-18

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

Analysis Request: VOCs 8260; 1,4-Dioxane 8270

	PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	1,4-Dioxane 8270	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
	71865	17GW1	GW	6-14-18	9:57	X	X				9	3					
*	71866	17GW2	GW	6-14-18	12:42	X	X				3	1					
*	71867	17GW3	GW	6-14-18	13:33	X					3	1					
	71868	17GW4	GW	6-14-18	11:16	X	X				3	1					
	71869	17GW5	GW	6-14-18	12:37	X	X				3	1					
	71870	17GW6	GW	6-14-18	15:22	X					3	1					
	71871	GW Duplicate	GW	6-14-18		X	X				3	1					
	71872	Triplanks				X					2						

Relinquished by:	Accepted by:	Date:	Time:
		6-15-18	10:00
		6-15-18	17:20

Comments, Special Requirements or Regulations:

Run MS/MSD on 17GW1

* No Ambers rcv'd (TF)

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE APPLIES

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] GW Criteria

NY
[X] NY 375 GWP
[ ] NY375 Unrestricted Use Soil
[ ] NY375 Residential Soil
[ ] Restricted/Residential
[ ] Commercial
[ ] Industrial

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

Data Package
[ ] NJ Reduced Deliv. *
[X] NY Enhanced (ASP B) *
[ ] Other

State where samples were collected: NY

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]

NY/NJ CHAIN OF CUSTODY RECORD

Temp 2.2 C Pg 1 of 1

PHOENIX
Environmental Laboratories, Inc.

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

Contact Options:
[ ] Fax:
[ ] Phone: 631-504-6000
[X] Email:

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

Project: 1815 Ocean Avenue Brooklyn NY
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Thomas Gallo Date: 6-14-18

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	1,4-Dioxane 8270	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
71865	17GW1	GW	6-14-18	9:57	X	X				9	3					
* 71866	17GW2	GW	6-14-18	12:42	X	X				3	1					
* 71867	17GW3	GW	6-14-18	13:33	X					3	1					
71868	17GW4	GW	6-14-18	11:16	X	X				3	1					
71869	17GW5	GW	6-14-18	12:37	X	X				3	1					
71870	17GWQ	GW	6-14-18	15:22	X					3	1					
71871	GW Duplicate	GW	6-14-18		X	X				3	1					
71872	Triplanks				X					2						

Relinquished by:	Accepted by:	Date:	Time:
		6-15-18	10:00
		6-15-18	17:20

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE APPLIES

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] GW Criteria

NY
[X] NY 375 GWP
[ ] NY375 Unrestricted Use Soil
[ ] NY375 Residential Soil
[ ] Restricted/Residential
[ ] Commercial
[ ] Industrial

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

Data Package
[ ] NJ Reduced Deliv. *
[X] NY Enhanced (ASP B) *
[ ] Other

Comments, Special Requirements or Regulations:

Run MS/MSD on 17GW1

* No Ambers rec'd (TF) see email attached (TP)

State where samples were collected: NY

GCA711865

Taylor Farnsworth

From: Jim Nave
Sent: Monday, June 18, 2018 12:32 PM
To: Taylor Farnsworth; Lori Bailey; Shannon Wilhelm
Subject: FW: 1815 OCEAN AVE

EBC

Jim Nave
Operations Manager
Phoenix Environmental Laboratories
587 East Middle Tpke.
Manchester, CT 06040
PH: 860-645-1102
FX: 860-645-0823

From: Jim Nave
Sent: Friday, June 15, 2018 6:53 PM
To: tgallo
Cc: Shannon Wilhelm; Lori Bailey
Subject: RE: 1815 OCEAN AVE

Ok, thanks!

Jim Nave
Operations Manager
Phoenix Environmental Laboratories
587 East Middle Tpke.
Manchester, CT 06040
PH: 860-645-1102
FX: 860-645-0823

From: tgallo [mailto:tgallo@ebcincny.com]
Sent: Friday, June 15, 2018 6:53 PM
To: Jim Nave
Subject: Re: 1815 OCEAN AVE

The 1,4 dioxane only needed to be analyzed from 4 of the 6 wells. If you have everything except two wells then i probably checking those two off accidentally

Thomas Gallo
Field Manager
Environmental Geologist
Environmental Business Consultants
Cell: (516) 972-5354

-------- Original message --------
From: Jim Nave <jim@phoenixlabs.com>
Date: 6/15/18 6:42 PM (GMT-05:00)
To: "'Thomas Gallo (tgallo@ebcincny.com)'" <tgallo@ebcincny.com>

Subject: 1815 OCEAN AVE

Mr. Gallo,

We are missing two 1L ambers from the pick-up we did today in Astoria of the 1815 Ocean Ave project samples. Sample ID's are 17GW2 and 17GW3. Rob said he took all the samples that were in your sample refrigerator per your instructions, but unfortunately we discovered this issue when he returned to Phoenix. We are scheduled to do a pick-up at the Astoria office on Monday requested by Sean, so I'm hoping we can get the missing samples then.

Regards,

Jim Nave
Operations Manager
Phoenix Environmental Laboratories
587 East Middle Tpke.
Manchester, CT 06040
PH: 860-645-1102
FX: 860-645-0823

Sarah Bell

From: Chawinie Reilly <creilly@ebcincny.com>
Sent: Monday, June 18, 2018 11:57 AM
To: Sarah Bell
Subject: re: GCA71865 & GCA71853 ; 1815 Ocean Ave Brooklyn NY

Hi Sarah,

Can the TAT for these samples be switched to 2 day ?

Thanks,

Chawinie

ANALYTICAL REPORT

Lab Number:	L1822521
Client:	Environmental Business Consultants Inc 1808 Middle Country Road Ridge, NY 11961
ATTN:	Chawinie Reilly
Phone:	(631) 504-6000
Project Name:	FORMER TOMAT SERVICE STATION
Project Number:	Not Specified
Report Date:	06/27/18

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: FORMER TOMAT SERVICE STATION
Project Number: Not Specified

Lab Number: L1822521
Report Date: 06/27/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1822521-01	17GW1	WATER	1815-1825 OCEAN AVENUE, BROOKLYN, NY	06/14/18 09:57	06/15/18
L1822521-02	17GW2	WATER	1815-1825 OCEAN AVENUE, BROOKLYN, NY	06/14/18 14:42	06/15/18
L1822521-03	17GW4	WATER	1815-1825 OCEAN AVENUE, BROOKLYN, NY	06/14/18 11:16	06/15/18
L1822521-04	17GW5	WATER	1815-1825 OCEAN AVENUE, BROOKLYN, NY	06/14/18 12:37	06/15/18
L1822521-05	GW DUPLICATE	WATER	1815-1825 OCEAN AVENUE, BROOKLYN, NY	06/14/18 00:00	06/15/18
L1822521-06	EQUIPMENT BLANK	WATER	1815-1825 OCEAN AVENUE, BROOKLYN, NY	06/14/18 00:00	06/15/18
L1822521-07	FIELD BLANK	WATER	1815-1825 OCEAN AVENUE, BROOKLYN, NY	06/14/18 00:00	06/15/18

Project Name:	FORMER TOMAT SERVICE STATION	**Lab Number:**	L1822521
Project Number:	Not Specified	**Report Date:**	06/27/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	FORMER TOMAT SERVICE STATION	**Lab Number:**	L1822521
Project Number:	Not Specified	**Report Date:**	06/27/18

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by Isotope Dilution

L1822521: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L1822521-06: The Equipment Blank has a concentration above the reporting limit for 6:2FTS. The results were confirmed.

WG1128714QC: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

WG1129350QC: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

WG1129439-2, -03 and WG1129782: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes, however the associated target analytes were within acceptance criteria, therefore, no further action was taken.

The continuing calibration standard (WG1129439-1), associated with L1822521-01 through -06 as well as the associated QC, had the response for 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) (175%D) below the acceptance criteria for the method. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for P1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS).

The continuing calibration standard (WG1129782-1), associated with L1822521-07 as well as the associated QC, had the response for 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) (175%D) below the acceptance criteria for the method, , however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

The continuing calibration standard (WG1129782-2), associated with L1822521-07 as well as the associated QC, had the response for Perfluorotridecanoic Acid (PFTrDA) (68%D) and Perfluorodecanesulfonic Acid (PFDS) (61.9%) below the acceptance criteria for the method. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for Perfluorotridecanoic Acid

Project Name:	FORMER TOMAT SERVICE STATION	**Lab Number:**	L1822521
Project Number:	Not Specified	**Report Date:**	06/27/18

Case Narrative (continued)

(PFTrDA) and Perfluorodecanesulfonic Acid (PFDS).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Susan E O'Neil Susan O' Neil

Title: Technical Director/Representative Date: 06/27/18

ORGANICS

SEMIVOLATILES

Project Name: FORMER TOMAT SERVICE STATION
Lab Number: L1822521
Project Number: Not Specified
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1822521-01
Client ID: 17GW1
Sample Location: 1815-1825 OCEAN AVENUE, BROOKLYN, NY

Date Collected: 06/14/18 09:57
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 06/25/18 15:20
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 06/22/18 10:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	7.18		ng/l	1.85	0.121	1
Perfluoropentanoic Acid (PFPeA)	6.23		ng/l	1.85	0.079	1
Perfluorobutanesulfonic Acid (PFBS)	1.55	J	ng/l	1.85	0.102	1
Perfluorohexanoic Acid (PFHxA)	8.71		ng/l	1.85	0.117	1
Perfluoroheptanoic Acid (PFHpA)	7.90		ng/l	1.85	0.086	1
Perfluorohexanesulfonic Acid (PFHxS)	4.32		ng/l	1.85	0.100	1
Perfluorooctanoic Acid (PFOA)	32.7		ng/l	1.85	0.047	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.374	J	ng/l	1.85	0.180	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.85	0.144	1
Perfluorononanoic Acid (PFNA)	0.311	J	ng/l	1.85	0.093	1
Perfluorooctanesulfonic Acid (PFOS)	4.70		ng/l	1.85	0.103	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.85	0.176	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.85	0.269	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.85	0.232	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.85	0.177	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.85	0.206	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.85	0.210	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.85	0.345	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.85	0.085	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.85	0.084	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.85	0.067	1

Project Name: FORMER TOMAT SERVICE STATION **Lab Number:** L1822521

Project Number: Not Specified **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1822521-01 Date Collected: 06/14/18 09:57

Client ID: 17GW1 Date Received: 06/15/18

Sample Location: 1815-1825 OCEAN AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**30**	Q	50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**46**	Q	50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	126		50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**37**	Q	50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**40**	Q	50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	128		50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	50		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**206**	Q	50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**47**	Q	50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	114		50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**48**	Q	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	123		50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	50		50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**45**	Q	50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**2**	Q	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	66		50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	50		50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	55		50-150

Project Name: FORMER TOMAT SERVICE STATION
Lab Number: L1822521
Project Number: Not Specified
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1822521-02
Client ID: 17GW2
Sample Location: 1815-1825 OCEAN AVENUE, BROOKLYN, NY

Date Collected: 06/14/18 14:42
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 06/25/18 16:26
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 06/22/18 10:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	10.9		ng/l	1.72	0.113	1
Perfluoropentanoic Acid (PFPeA)	11.1		ng/l	1.72	0.074	1
Perfluorobutanesulfonic Acid (PFBS)	3.13		ng/l	1.72	0.095	1
Perfluorohexanoic Acid (PFHxA)	10.2		ng/l	1.72	0.109	1
Perfluoroheptanoic Acid (PFHpA)	7.69		ng/l	1.72	0.080	1
Perfluorohexanesulfonic Acid (PFHxS)	4.61		ng/l	1.72	0.093	1
Perfluorooctanoic Acid (PFOA)	24.8		ng/l	1.72	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.72	0.167	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.72	0.134	1
Perfluorononanoic Acid (PFNA)	0.152	J	ng/l	1.72	0.087	1
Perfluorooctanesulfonic Acid (PFOS)	0.931	J	ng/l	1.72	0.096	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.72	0.164	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.72	0.251	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.72	0.216	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.72	0.165	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.72	0.192	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.72	0.196	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.72	0.321	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.72	0.079	1
Perfluorotridecanoic Acid (PFTrDA)	0.559	J	ng/l	1.72	0.078	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.72	0.062	1

Project Name: FORMER TOMAT SERVICE STATION **Lab Number:** L1822521

Project Number: Not Specified **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1822521-02 Date Collected: 06/14/18 14:42

Client ID: 17GW2 Date Received: 06/15/18

Sample Location: 1815-1825 OCEAN AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	96		50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	111		50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	74		50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80		50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116		50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**321**	Q	50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	128		50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	58		50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	67		50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**23**	Q	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	52		50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	60		50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	62		50-150

Project Name: FORMER TOMAT SERVICE STATION
Lab Number: L1822521
Project Number: Not Specified
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1822521-03
Client ID: 17GW4
Sample Location: 1815-1825 OCEAN AVENUE, BROOKLYN, NY

Date Collected: 06/14/18 11:16
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 06/25/18 16:43
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 06/22/18 10:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	2.42		ng/l	1.78	0.117	1
Perfluoropentanoic Acid (PFPeA)	3.80		ng/l	1.78	0.076	1
Perfluorobutanesulfonic Acid (PFBS)	2.13		ng/l	1.78	0.098	1
Perfluorohexanoic Acid (PFHxA)	3.65		ng/l	1.78	0.113	1
Perfluoroheptanoic Acid (PFHpA)	3.49		ng/l	1.78	0.083	1
Perfluorohexanesulfonic Acid (PFHxS)	2.35		ng/l	1.78	0.096	1
Perfluorooctanoic Acid (PFOA)	18.1		ng/l	1.78	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.78	0.173	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.911	J	ng/l	1.78	0.138	1
Perfluorononanoic Acid (PFNA)	1.74	J	ng/l	1.78	0.090	1
Perfluorooctanesulfonic Acid (PFOS)	58.5		ng/l	1.78	0.100	1
Perfluorodecanoic Acid (PFDA)	2.22		ng/l	1.78	0.170	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.78	0.260	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.78	0.224	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.78	0.171	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.78	0.198	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.78	0.202	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.78	0.333	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.78	0.082	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.78	0.081	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.78	0.064	1

Project Name: FORMER TOMAT SERVICE STATION **Lab Number:** L1822521

Project Number: Not Specified **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1822521-03 Date Collected: 06/14/18 11:16

Client ID: 17GW4 Date Received: 06/15/18

Sample Location: 1815-1825 OCEAN AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	137		50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	77		50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	79		50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	136		50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**280**	Q	50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	86		50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111		50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	73		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	131		50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64		50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	67		50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**14**	Q	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	98		50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	58		50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	64		50-150

Project Name: FORMER TOMAT SERVICE STATION
Lab Number: L1822521
Project Number: Not Specified
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1822521-04
Client ID: 17GW5
Sample Location: 1815-1825 OCEAN AVENUE, BROOKLYN, NY

Date Collected: 06/14/18 12:37
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 06/25/18 16:59
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 06/22/18 10:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	22.3		ng/l	1.78	0.117	1
Perfluoropentanoic Acid (PFPeA)	19.2		ng/l	1.78	0.076	1
Perfluorobutanesulfonic Acid (PFBS)	4.63		ng/l	1.78	0.098	1
Perfluorohexanoic Acid (PFHxA)	29.4		ng/l	1.78	0.113	1
Perfluoroheptanoic Acid (PFHpA)	38.0		ng/l	1.78	0.083	1
Perfluorohexanesulfonic Acid (PFHxS)	7.16		ng/l	1.78	0.096	1
Perfluorooctanoic Acid (PFOA)	85.6		ng/l	1.78	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.78	0.173	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.78	0.138	1
Perfluorononanoic Acid (PFNA)	0.282	J	ng/l	1.78	0.090	1
Perfluorooctanesulfonic Acid (PFOS)	1.78		ng/l	1.78	0.100	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.78	0.170	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.78	0.260	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.78	0.224	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.78	0.171	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.78	0.198	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.78	0.202	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.78	0.333	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.78	0.082	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.78	0.081	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.78	0.064	1

Project Name: FORMER TOMAT SERVICE STATION **Lab Number:** L1822521

Project Number: Not Specified **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1822521-04 Date Collected: 06/14/18 12:37

Client ID: 17GW5 Date Received: 06/15/18

Sample Location: 1815-1825 OCEAN AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	129		50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	133		50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	130		50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92		50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	100		50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	138		50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	123		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**362**	Q	50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	127		50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	135		50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	103		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**187**	Q	50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	127		50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	117		50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**22**	Q	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**153**	Q	50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	121		50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	112		50-150

Project Name: FORMER TOMAT SERVICE STATION
Lab Number: L1822521
Project Number: Not Specified
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1822521-06
Client ID: EQUIPMENT BLANK
Sample Location: 1815-1825 OCEAN AVENUE, BROOKLYN, NY

Date Collected: 06/14/18 00:00
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 06/25/18 14:30
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 06/22/18 10:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.92	0.126	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.92	0.082	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.92	0.106	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.92	0.122	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.92	0.089	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.92	0.103	1
Perfluorooctanoic Acid (PFOA)	0.215	J	ng/l	1.92	0.049	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	4.30		ng/l	1.92	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.92	0.149	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.92	0.097	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.92	0.107	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.92	0.183	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.92	0.280	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.92	0.241	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.92	0.184	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.92	0.214	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.92	0.218	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.92	0.358	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.92	0.088	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.92	0.087	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.92	0.069	1

Project Name: FORMER TOMAT SERVICE STATION **Lab Number:** L1822521

Project Number: Not Specified **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1822521-06 Date Collected: 06/14/18 00:00

Client ID: EQUIPMENT BLANK Date Received: 06/15/18

Sample Location: 1815-1825 OCEAN AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**20**	Q	50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**27**	Q	50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	114		50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**24**	Q	50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**26**	Q	50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	120		50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**28**	Q	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**152**	Q	50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**32**	Q	50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	115		50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**40**	Q	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	112		50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**46**	Q	50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**47**	Q	50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**1**	Q	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**47**	Q	50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	61		50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	72		50-150

Project Name: FORMER TOMAT SERVICE STATION
Lab Number: L1822521
Project Number: Not Specified
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1822521-07
Client ID: FIELD BLANK
Sample Location: 1815-1825 OCEAN AVENUE, BROOKLYN, NY

Date Collected: 06/14/18 00:00
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 06/26/18 11:41
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 06/25/18 13:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.78	0.117	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.78	0.076	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.78	0.098	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.78	0.113	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.78	0.083	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.78	0.096	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.78	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.78	0.173	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.78	0.138	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.78	0.090	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.78	0.100	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.78	0.170	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.78	0.260	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.78	0.224	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.78	0.171	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.78	0.198	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.78	0.202	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.78	0.333	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.78	0.082	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.78	0.081	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.78	0.064	1

Project Name: FORMER TOMAT SERVICE STATION **Lab Number:** L1822521

Project Number: Not Specified **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1822521-07 Date Collected: 06/14/18 00:00

Client ID: FIELD BLANK Date Received: 06/15/18

Sample Location: 1815-1825 OCEAN AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	113		50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	129		50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	118		50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	119		50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	109		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**209**	Q	50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112		50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	136		50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	127		50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	129		50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**11**	Q	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	113		50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**166**	Q	50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**160**	Q	50-150

Project Name: FORMER TOMAT SERVICE STATION
Project Number: Not Specified
Lab Number: L1822521
Report Date: 06/27/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 06/25/18 12:51
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 06/22/18 10:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-04,06 Batch: WG1128714-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.131
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.086
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.110
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.126
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.092
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.108
Perfluorooctanoic Acid (PFOA)	0.184	J	ng/l	2.00	0.050
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	0.194
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.155
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.101
Perfluorooctanesulfonic Acid (PFOS)	0.164	J	ng/l	2.00	0.112
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.190
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	0.291
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.250
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.191
Perfluorodecanesulfonic Acid (PFDS)	0.272	J	ng/l	2.00	0.222
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.227
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.373
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.092
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.090
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.072

Project Name: FORMER TOMAT SERVICE STATION
Project Number: Not Specified
Lab Number: L1822521
Report Date: 06/27/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 06/25/18 12:51
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 06/22/18 10:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-04,06 Batch: WG1128714-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	100		50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	111		50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107		50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	94		50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	110		50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	120		50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	83		50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	69		50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**9**	Q	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	61		50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	100		50-150

Project Name: FORMER TOMAT SERVICE STATION
Project Number: Not Specified
Lab Number: L1822521
Report Date: 06/27/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 06/26/18 10:51
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 06/25/18 11:26

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 07 Batch: WG1129350-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.131
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.086
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.110
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.126
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.092
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.108
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.050
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.276	J	ng/l	2.00	0.194
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.155
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.101
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.112
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.190
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	0.291
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.250
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.191
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.222
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.227
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.373
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.092
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.090
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.072

Project Name: FORMER TOMAT SERVICE STATION
Project Number: Not Specified
Lab Number: L1822521
Report Date: 06/27/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 06/26/18 10:51
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 06/25/18 11:26

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 07 Batch: WG1129350-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	124		50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	132		50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	133		50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	109		50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	114		50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	133		50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	120		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**157**	Q	50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	119		50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	125		50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	110		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	122		50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	95		50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	121		50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**5**	Q	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	93		50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	112		50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	113		50-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER TOMAT SERVICE STATION
Project Number: Not Specified

Lab Number: L1822521
Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04,06 Batch: WG1128714-2 WG1128714-3								
Perfluorobutanoic Acid (PFBA)	106		108		50-150	2		30
Perfluoropentanoic Acid (PFPeA)	111		110		50-150	1		30
Perfluorobutanesulfonic Acid (PFBS)	108		109		50-150	1		30
Perfluorohexanoic Acid (PFHxA)	117		118		50-150	1		30
Perfluoroheptanoic Acid (PFHpA)	107		107		50-150	0		30
Perfluorohexanesulfonic Acid (PFHxS)	116		126		50-150	8		30
Perfluorooctanoic Acid (PFOA)	105		103		50-150	2		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	101		105		50-150	4		30
Perfluoroheptanesulfonic Acid (PFHpS)	118		125		50-150	6		30
Perfluorononanoic Acid (PFNA)	113		121		50-150	7		30
Perfluorooctanesulfonic Acid (PFOS)	98		106		50-150	8		30
Perfluorodecanoic Acid (PFDA)	106		121		50-150	13		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	107		128		50-150	18		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	106		126		50-150	17		30
Perfluoroundecanoic Acid (PFUnA)	99		112		50-150	12		30
Perfluorodecanesulfonic Acid (PFDS)	89		98		50-150	10		30
Perfluorooctanesulfonamide (FOSA)	108		107		50-150	1		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	104		116		50-150	11		30
Perfluorododecanoic Acid (PFDoA)	100		112		50-150	11		30
Perfluorotridecanoic Acid (PFTrDA)	100		119		50-150	17		30
Perfluorotetradecanoic Acid (PFTA)	111		146		50-150	27		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER TOMAT SERVICE STATION
Project Number: Not Specified
Lab Number: L1822521
Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04,06 Batch: WG1128714-2 WG1128714-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	106		98		50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	121		114		50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	112		109		50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95		84		50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		90		50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116		112		50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	110		102		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**161**	Q	**181**	Q	50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		87		50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109		103		50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	103		93		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	95		81		50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		85		50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	103		90		50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**8**	Q	**6**	Q	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86		86		50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	107		92		50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	123		106		50-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER TOMAT SERVICE STATION

Project Number: Not Specified

Lab Number: L1822521

Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 07 Batch: WG1129350-2 WG1129350-3								
Perfluorobutanoic Acid (PFBA)	116		111		50-150	4		30
Perfluoropentanoic Acid (PFPeA)	120		120		50-150	0		30
Perfluorobutanesulfonic Acid (PFBS)	116		113		50-150	3		30
Perfluorohexanoic Acid (PFHxA)	125		118		50-150	6		30
Perfluoroheptanoic Acid (PFHpA)	112		107		50-150	5		30
Perfluorohexanesulfonic Acid (PFHxS)	123		130		50-150	6		30
Perfluorooctanoic Acid (PFOA)	116		112		50-150	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	111		119		50-150	7		30
Perfluoroheptanesulfonic Acid (PFHpS)	128		125		50-150	2		30
Perfluorononanoic Acid (PFNA)	127		126		50-150	1		30
Perfluorooctanesulfonic Acid (PFOS)	115		105		50-150	9		30
Perfluorodecanoic Acid (PFDA)	131		119		50-150	10		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	95		109		50-150	14		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	112		115		50-150	3		30
Perfluoroundecanoic Acid (PFUnA)	112		104		50-150	7		30
Perfluorodecanesulfonic Acid (PFDS)	89		68		50-150	27		30
Perfluorooctanesulfonamide (FOSA)	125		111		50-150	12		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	120		128		50-150	6		30
Perfluorododecanoic Acid (PFDoA)	111		106		50-150	5		30
Perfluorotridecanoic Acid (PFTrDA)	92		80		50-150	14		30
Perfluorotetradecanoic Acid (PFTA)	118		122		50-150	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER TOMAT SERVICE STATION

Project Number: Not Specified

Lab Number: L1822521

Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 07 Batch: WG1129350-2 WG1129350-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	112		119		50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	124		131		50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	116		122		50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	94		97		50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	105		105		50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	120		118		50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		110		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**169**	Q	**188**	Q	50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		102		50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		118		50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106		109		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	135		118		50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	119		126		50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	119		144		50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**8**	Q	**18**	Q	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	98		107		50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**162**	Q	**180**	Q	50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	120		**154**	Q	50-150

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER TOMAT SERVICE STATION

Project Number: Not Specified

Lab Number: L1822521

Report Date: 06/27/18

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04,06 QC Batch ID: WG1128714-4 WG1128714-5 QC Sample: L1822521-01 Client ID: 17GW1												
Perfluorobutanoic Acid (PFBA)	7.18	37	46.4	106		45.3	103		50-150	2		30
Perfluoropentanoic Acid (PFPeA)	6.23	37	48.4	114		48.5	114		50-150	0		30
Perfluorobutanesulfonic Acid (PFBS)	1.55J	37	42.9	116		44.1	119		50-150	3		30
Perfluorohexanoic Acid (PFHxA)	8.71	37	52.2	117		50.2	112		50-150	4		30
Perfluoroheptanoic Acid (PFHpA)	7.90	37	47.6	107		48.2	109		50-150	1		30
Perfluorohexanesulfonic Acid (PFHxS)	4.32	37	51.9	128		45.2	110		50-150	14		30
Perfluorooctanoic Acid (PFOA)	32.7	37	73.4	110		74.9	114		50-150	2		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.374J	37	39.1	106		48.4	131		50-150	21		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	37	43.8	118		41.4	112		50-150	6		30
Perfluorononanoic Acid (PFNA)	0.311J	37	43.3	117		44.6	120		50-150	3		30
Perfluorooctanesulfonic Acid (PFOS)	4.70	37	42.8	103		43.5	105		50-150	2		30
Perfluorodecanoic Acid (PFDA)	ND	37	46.2	125		45.4	123		50-150	2		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	37	36.2	98		41.8	113		50-150	14		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	37	32.0	86		35.8	97		50-150	11		30
Perfluoroundecanoic Acid (PFUnA)	ND	37	41.1	111		37.2	100		50-150	10		30
Perfluorodecanesulfonic Acid (PFDS)	ND	37	54.8	148		46.2	125		50-150	17		30
Perfluorooctanesulfonamide (FOSA)	ND	37	36.8	99		35.0	94		50-150	5		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	37	38.7	104		35.9	97		50-150	8		30
Perfluorododecanoic Acid (PFDoA)	ND	37	44.1	119		37.5	101		50-150	16		30
Perfluorotridecanoic Acid (PFTrDA)	ND	37	41.0	111		40.7	110		50-150	1		30
Perfluorotetradecanoic Acid (PFTA)	ND	37	47.0	127		46.0	124		50-150	2		30

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER TOMAT SERVICE STATION

Project Number: Not Specified

Lab Number: L1822521

Report Date: 06/27/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04,06 QC Batch ID: WG1128714-4 WG1128714-5 QC Sample: L1822521-01 Client ID: 17GW1

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	132		140		50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**206**	Q	**240**	Q	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	103		127		50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71		85		50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	59		72		50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	61		71		50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	58		69		50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	59		70		50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		140		50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	66		78		50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	63		74		50-150
Perfluoro[13C4]Butanoic Acid (MPFBA)	62		71		50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	85		95		50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**2**	Q	**4**	Q	50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		124		50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	69		77		50-150
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	64		75		50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		131		50-150

Project Name: FORMER TOMAT SERVICE STATION
Project Number: Not Specified

Lab Number: L1822521
Report Date: 06/27/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822521-01A	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-01A1	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-01A2	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-01B	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-01B1	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-01B2	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-01C	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-01C1	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-01C2	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-02X	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-02Y	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-02Z	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-03X	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-03Y	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-03Z	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-04X	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-04Y	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-04Z	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-05Z	Plastic 250ml Trizma preserved	NA	NA			Y	Absent		HOLD(14)
L1822521-06X	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-06Y	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-06Z	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-07X	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: FORMER TOMAT SERVICE STATION
Project Number: Not Specified

Lab Number: L1822521
Report Date: 06/27/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822521-07Y	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1822521-07Z	3 Plastic Trizma/1 Plastic/1 H20+Trizma	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name:	FORMER TOMAT SERVICE STATION	**Lab Number:**	L1822521
Project Number:	Not Specified	**Report Date:**	06/27/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER TOMAT SERVICE STATION	**Lab Number:**	L1822521
Project Number:	Not Specified	**Report Date:**	06/27/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER TOMAT SERVICE STATION	**Lab Number:**	L1822521
Project Number:	Not Specified	**Report Date:**	06/27/18

REFERENCES

122 Determination of Selected Perfluorintated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS). EPA Method 537, EPA/600/R-08/092. Version 1.1, September 2009.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 6/16/18

ALPHA Job #: L1832521

Client Information

Client: Environmental Business Consultants
Address: 1808 Middle Country Road Ridge NY
Phone: 631-504-6000
Fax:
Email: creilly@ebiny.com

Project Information

Project Name: Former Tomar Service Station
Project Location: 1815-1825 Ocean Avenue Brooklyn NY
Project #
(Use Project name as Project #) ☐
Project Manager: Charlie Reilly
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☒ NY
☐ Other:

☐ These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Run MS/MSD on 17GW1

Please specify Metals or TAL.

ANALYSIS

PFAS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PFAS	Sample Specific Comments	Total Bottle
L1832521 -01	17GW1	6-14-18	9:57	GW	TG	x		9
-02	17GW2	6-14-18	14:42	GW	T.G.	x		3
-03	17GW4	6-14-18	11:16	GW	T.G	x		3
-04	17GW5	6-14-18	12:37	GW	T.G	x		3
-05	GW Duplicate	6-14-18				x		3
-06	Equipment Blank					x		3
-07	Field Blank					x		3
-08	Trip blanks					x		1

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type: P
Preservative: O

Relinquished By:	Date/Time	Received By:	Date/Time
Thomas Gallo	6/15/18 1000	George Waymen	6/15/18 1000
George Waymen	6/15/18 1422	D. Santos AAL	6/15/18 1845
D. Santos AAL	6/15/18 2300		6/15/18 2300
	06/16/18 0520		6/16/18 05:20

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX C

Air Sample Laboratory Reports

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 20, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	TG	06/14/18	11:25
Location Code:	EBC	Received by:	B	06/15/18	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	12858				

Laboratory Data

SDG ID: GCA71853
Phoenix ID: CA71853

Project ID: 1815 OCEAN AVE
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	*2.19*	2.19	ND	*15.0*	15.0	06/19/18	KCA	15	1
1,1,1-Trichloroethane	ND	*2.75*	2.75	ND	*15.0*	15.0	06/19/18	KCA	15	
1,1,2,2-Tetrachloroethane	ND	*2.19*	2.19	ND	*15.0*	15.0	06/19/18	KCA	15	
1,1,2-Trichloroethane	ND	*2.75*	2.75	ND	*15.0*	15.0	06/19/18	KCA	15	
1,1-Dichloroethane	ND	*3.71*	3.71	ND	*15.0*	15.0	06/19/18	KCA	15	
1,1-Dichloroethene	ND	*0.757*	0.757	ND	*3.00*	3.00	06/19/18	KCA	15	
1,2,4-Trichlorobenzene	ND	*2.02*	2.02	ND	*15.0*	15.0	06/19/18	KCA	15	
1,2,4-Trimethylbenzene	ND	*3.05*	3.05	ND	*15.0*	15.0	06/19/18	KCA	15	
1,2-Dibromoethane(EDB)	ND	*1.95*	1.95	ND	*15.0*	15.0	06/19/18	KCA	15	
1,2-Dichlorobenzene	ND	*2.50*	2.50	ND	*15.0*	15.0	06/19/18	KCA	15	
1,2-Dichloroethane	ND	*3.71*	3.71	ND	*15.0*	15.0	06/19/18	KCA	15	
1,2-dichloropropane	ND	*3.25*	3.25	ND	*15.0*	15.0	06/19/18	KCA	15	
1,2-Dichlorotetrafluoroethane	ND	*2.15*	2.15	ND	*15.0*	15.0	06/19/18	KCA	15	
1,3,5-Trimethylbenzene	ND	*3.05*	3.05	ND	*15.0*	15.0	06/19/18	KCA	15	
1,3-Butadiene	ND	*6.78*	6.78	ND	*15.0*	15.0	06/19/18	KCA	15	
1,3-Dichlorobenzene	ND	*2.50*	2.50	ND	*15.0*	15.0	06/19/18	KCA	15	
1,4-Dichlorobenzene	ND	*2.50*	2.50	ND	*15.0*	15.0	06/19/18	KCA	15	
1,4-Dioxane	ND	*4.16*	4.16	ND	*15.0*	15.0	06/19/18	KCA	15	
2-Hexanone(MBK)	ND	*3.66*	3.66	ND	*15.0*	15.0	06/19/18	KCA	15	1
4-Ethyltoluene	ND	*3.05*	3.05	ND	*15.0*	15.0	06/19/18	KCA	15	1
4-Isopropyltoluene	ND	*2.73*	2.73	ND	*15.0*	15.0	06/19/18	KCA	15	1
4-Methyl-2-pentanone(MIBK)	ND	*3.66*	3.66	ND	*15.0*	15.0	06/19/18	KCA	15	
Acetone	ND	*6.32*	6.32	ND	*15.0*	15.0	06/19/18	KCA	15	
Acrylonitrile	ND	*6.92*	6.92	ND	*15.0*	15.0	06/19/18	KCA	15	
Benzene	ND	*4.70*	4.70	ND	*15.0*	15.0	06/19/18	KCA	15	
Benzyl chloride	ND	*2.90*	2.90	ND	*15.0*	15.0	06/19/18	KCA	15	

Project ID: 1815 OCEAN AVE
Client ID: POST CARBON

Phoenix I.D.: CA71853

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*2.24*	2.24	ND	*15.0*	15.0	06/19/18	KCA	15	
Bromoform	ND	*1.45*	1.45	ND	*15.0*	15.0	06/19/18	KCA	15	
Bromomethane	ND	*3.87*	3.87	ND	*15.0*	15.0	06/19/18	KCA	15	
Carbon Disulfide	5.64	*4.82*	4.82	17.6	*15.0*	15.0	06/19/18	KCA	15	
Carbon Tetrachloride	ND	*0.477*	0.477	ND	*3.00*	3.00	06/19/18	KCA	15	
Chlorobenzene	ND	*3.26*	3.26	ND	*15.0*	15.0	06/19/18	KCA	15	
Chloroethane	ND	*5.69*	5.69	ND	*15.0*	15.0	06/19/18	KCA	15	
Chloroform	ND	*3.07*	3.07	ND	*15.0*	15.0	06/19/18	KCA	15	
Chloromethane	ND	*7.27*	7.27	ND	*15.0*	15.0	06/19/18	KCA	15	
Cis-1,2-Dichloroethene	ND	*0.757*	0.757	ND	*3.00*	3.00	06/19/18	KCA	15	
cis-1,3-Dichloropropene	ND	*3.31*	3.31	ND	*15.0*	15.0	06/19/18	KCA	15	
Cyclohexane	413	*4.36*	4.36	1420	*15.0*	15.0	06/19/18	KCA	15	
Dibromochloromethane	ND	*1.76*	1.76	ND	*15.0*	15.0	06/19/18	KCA	15	
Dichlorodifluoromethane	ND	*3.04*	3.04	ND	*15.0*	15.0	06/19/18	KCA	15	
Ethanol	14.9	*7.97*	7.97	28.1	*15.0*	15.0	06/19/18	KCA	15	1
Ethyl acetate	ND	*4.17*	4.17	ND	*15.0*	15.0	06/19/18	KCA	15	1
Ethylbenzene	ND	*3.46*	3.46	ND	*15.0*	15.0	06/19/18	KCA	15	
Heptane	2310	*293*	293	9460	*1200*	1200	06/19/18	KCA	1200	
Hexachlorobutadiene	ND	*1.41*	1.41	ND	*15.0*	15.0	06/19/18	KCA	15	
Hexane	536	*4.26*	4.26	1890	*15.0*	15.0	06/19/18	KCA	15	
Isopropylalcohol	ND	*6.11*	6.11	ND	*15.0*	15.0	06/19/18	KCA	15	
Isopropylbenzene	ND	*3.05*	3.05	ND	*15.0*	15.0	06/19/18	KCA	15	
m,p-Xylene	ND	*3.46*	3.46	ND	*15.0*	15.0	06/19/18	KCA	15	
Methyl Ethyl Ketone	ND	*5.09*	5.09	ND	*15.0*	15.0	06/19/18	KCA	15	
Methyl tert-butyl ether(MTBE)	ND	*4.16*	4.16	ND	*15.0*	15.0	06/19/18	KCA	15	
Methylene Chloride	ND	*13.0*	13.0	ND	*45.1*	45.1	06/19/18	KCA	15	
n-Butylbenzene	ND	*2.73*	2.73	ND	*15.0*	15.0	06/19/18	KCA	15	1
o-Xylene	ND	*3.46*	3.46	ND	*15.0*	15.0	06/19/18	KCA	15	
Propylene	ND	*8.72*	8.72	ND	*15.0*	15.0	06/19/18	KCA	15	1
sec-Butylbenzene	ND	*2.73*	2.73	ND	*15.0*	15.0	06/19/18	KCA	15	1
Styrene	ND	*3.52*	3.52	ND	*15.0*	15.0	06/19/18	KCA	15	
Tetrachloroethene	2.46	*0.553*	0.553	16.7	*3.75*	3.75	06/19/18	KCA	15	
Tetrahydrofuran	ND	*5.09*	5.09	ND	*15.0*	15.0	06/19/18	KCA	15	1
Toluene	ND	*3.98*	3.98	ND	*15.0*	15.0	06/19/18	KCA	15	
Trans-1,2-Dichloroethene	ND	*3.79*	3.79	ND	*15.0*	15.0	06/19/18	KCA	15	
trans-1,3-Dichloropropene	ND	*3.31*	3.31	ND	*15.0*	15.0	06/19/18	KCA	15	
Trichloroethene	ND	*0.559*	0.559	ND	*3.00*	3.00	06/19/18	KCA	15	
Trichlorofluoromethane	ND	*2.67*	2.67	ND	*15.0*	15.0	06/19/18	KCA	15	
Trichlorotrifluoroethane	ND	*1.96*	1.96	ND	*15.0*	15.0	06/19/18	KCA	15	
Vinyl Chloride	ND	*1.17*	1.17	ND	*2.99*	2.99	06/19/18	KCA	15	
QA/QC Surrogates										
% Bromofluorobenzene	101	*%*	%	101	*%*	%	06/19/18	KCA	15	

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:

An elevated reporting level was reported for TO15 due to a matrix interference of non target compounds.

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
June 20, 2018
Official Report Release To Follow

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 20, 2018

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	TG	06/14/18	11:26
Location Code:	EBC	Received by:	B	06/15/18	17:20
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	23352				

Laboratory Data

SDG ID: GCA71853
Phoenix ID: CA71854

Project ID: 1815 OCEAN AVE
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	*2.19*	2.19	ND	*15.0*	15.0	06/19/18	KCA	15	1
1,1,1-Trichloroethane	ND	*2.75*	2.75	ND	*15.0*	15.0	06/19/18	KCA	15	
1,1,2,2-Tetrachloroethane	ND	*2.19*	2.19	ND	*15.0*	15.0	06/19/18	KCA	15	
1,1,2-Trichloroethane	ND	*2.75*	2.75	ND	*15.0*	15.0	06/19/18	KCA	15	
1,1-Dichloroethane	ND	*3.71*	3.71	ND	*15.0*	15.0	06/19/18	KCA	15	
1,1-Dichloroethene	ND	*0.757*	0.757	ND	*3.00*	3.00	06/19/18	KCA	15	
1,2,4-Trichlorobenzene	ND	*2.02*	2.02	ND	*15.0*	15.0	06/19/18	KCA	15	
1,2,4-Trimethylbenzene	84.2	*3.05*	3.05	414	*15.0*	15.0	06/19/18	KCA	15	
1,2-Dibromoethane(EDB)	ND	*1.95*	1.95	ND	*15.0*	15.0	06/19/18	KCA	15	
1,2-Dichlorobenzene	ND	*2.50*	2.50	ND	*15.0*	15.0	06/19/18	KCA	15	
1,2-Dichloroethane	ND	*3.71*	3.71	ND	*15.0*	15.0	06/19/18	KCA	15	
1,2-dichloropropane	ND	*3.25*	3.25	ND	*15.0*	15.0	06/19/18	KCA	15	
1,2-Dichlorotetrafluoroethane	ND	*2.15*	2.15	ND	*15.0*	15.0	06/19/18	KCA	15	
1,3,5-Trimethylbenzene	71.1	*3.05*	3.05	349	*15.0*	15.0	06/19/18	KCA	15	
1,3-Butadiene	ND	*6.78*	6.78	ND	*15.0*	15.0	06/19/18	KCA	15	
1,3-Dichlorobenzene	ND	*2.50*	2.50	ND	*15.0*	15.0	06/19/18	KCA	15	
1,4-Dichlorobenzene	ND	*2.50*	2.50	ND	*15.0*	15.0	06/19/18	KCA	15	
1,4-Dioxane	ND	*4.16*	4.16	ND	*15.0*	15.0	06/19/18	KCA	15	
2-Hexanone(MBK)	ND	*3.66*	3.66	ND	*15.0*	15.0	06/19/18	KCA	15	1
4-Ethyltoluene	154	*3.05*	3.05	757	*15.0*	15.0	06/19/18	KCA	15	1
4-Isopropyltoluene	4.52	*2.73*	2.73	24.8	*15.0*	15.0	06/19/18	KCA	15	1
4-Methyl-2-pentanone(MIBK)	ND	*3.66*	3.66	ND	*15.0*	15.0	06/19/18	KCA	15	
Acetone	73.9	*6.32*	6.32	175	*15.0*	15.0	06/19/18	KCA	15	
Acrylonitrile	ND	*6.92*	6.92	ND	*15.0*	15.0	06/19/18	KCA	15	
Benzene	ND	*4.70*	4.70	ND	*15.0*	15.0	06/19/18	KCA	15	
Benzyl chloride	ND	*2.90*	2.90	ND	*15.0*	15.0	06/19/18	KCA	15	

Project ID: 1815 OCEAN AVE
Client ID: PRE CARBON

Phoenix I.D.: CA71854

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*2.24*	2.24	ND	*15.0*	15.0	06/19/18	KCA	15	
Bromoform	ND	*1.45*	1.45	ND	*15.0*	15.0	06/19/18	KCA	15	
Bromomethane	ND	*3.87*	3.87	ND	*15.0*	15.0	06/19/18	KCA	15	
Carbon Disulfide	4.97	*4.82*	4.82	15.5	*15.0*	15.0	06/19/18	KCA	15	
Carbon Tetrachloride	ND	*0.477*	0.477	ND	*3.00*	3.00	06/19/18	KCA	15	
Chlorobenzene	ND	*3.26*	3.26	ND	*15.0*	15.0	06/19/18	KCA	15	
Chloroethane	ND	*5.69*	5.69	ND	*15.0*	15.0	06/19/18	KCA	15	
Chloroform	ND	*3.07*	3.07	ND	*15.0*	15.0	06/19/18	KCA	15	
Chloromethane	ND	*7.27*	7.27	ND	*15.0*	15.0	06/19/18	KCA	15	
Cis-1,2-Dichloroethene	ND	*0.757*	0.757	ND	*3.00*	3.00	06/19/18	KCA	15	
cis-1,3-Dichloropropene	ND	*3.31*	3.31	ND	*15.0*	15.0	06/19/18	KCA	15	
Cyclohexane	324	*4.36*	4.36	1110	*15.0*	15.0	06/19/18	KCA	15	
Dibromochloromethane	ND	*1.76*	1.76	ND	*15.0*	15.0	06/19/18	KCA	15	
Dichlorodifluoromethane	ND	*3.04*	3.04	ND	*15.0*	15.0	06/19/18	KCA	15	
Ethanol	12.1	*7.97*	7.97	22.8	*15.0*	15.0	06/19/18	KCA	15	1
Ethyl acetate	ND	*4.17*	4.17	ND	*15.0*	15.0	06/19/18	KCA	15	1
Ethylbenzene	184	*3.46*	3.46	798	*15.0*	15.0	06/19/18	KCA	15	
Heptane	739	*36.6*	36.6	3030	*150*	150	06/19/18	KCA	150	
Hexachlorobutadiene	ND	*1.41*	1.41	ND	*15.0*	15.0	06/19/18	KCA	15	
Hexane	395	*4.26*	4.26	1390	*15.0*	15.0	06/19/18	KCA	15	
Isopropylalcohol	ND	*6.11*	6.11	ND	*15.0*	15.0	06/19/18	KCA	15	
Isopropylbenzene	17.2	*3.05*	3.05	84.5	*15.0*	15.0	06/19/18	KCA	15	
m,p-Xylene	743	*3.46*	3.46	3220	*15.0*	15.0	06/19/18	KCA	15	
Methyl Ethyl Ketone	ND	*5.09*	5.09	ND	*15.0*	15.0	06/19/18	KCA	15	
Methyl tert-butyl ether(MTBE)	ND	*4.16*	4.16	ND	*15.0*	15.0	06/19/18	KCA	15	
Methylene Chloride	ND	*13.0*	13.0	ND	*45.1*	45.1	06/19/18	KCA	15	
n-Butylbenzene	4.19	*2.73*	2.73	23.0	*15.0*	15.0	06/19/18	KCA	15	1
o-Xylene	169	*3.46*	3.46	733	*15.0*	15.0	06/19/18	KCA	15	
Propylene	ND	*8.72*	8.72	ND	*15.0*	15.0	06/19/18	KCA	15	1
sec-Butylbenzene	ND	*2.73*	2.73	ND	*15.0*	15.0	06/19/18	KCA	15	1
Styrene	ND	*3.52*	3.52	ND	*15.0*	15.0	06/19/18	KCA	15	
Tetrachloroethene	3.71	*0.553*	0.553	25.1	*3.75*	3.75	06/19/18	KCA	15	
Tetrahydrofuran	ND	*5.09*	5.09	ND	*15.0*	15.0	06/19/18	KCA	15	1
Toluene	25.1	*3.98*	3.98	94.5	*15.0*	15.0	06/19/18	KCA	15	
Trans-1,2-Dichloroethene	ND	*3.79*	3.79	ND	*15.0*	15.0	06/19/18	KCA	15	
trans-1,3-Dichloropropene	ND	*3.31*	3.31	ND	*15.0*	15.0	06/19/18	KCA	15	
Trichloroethene	ND	*0.559*	0.559	ND	*3.00*	3.00	06/19/18	KCA	15	
Trichlorofluoromethane	ND	*2.67*	2.67	ND	*15.0*	15.0	06/19/18	KCA	15	
Trichlorotrifluoroethane	ND	*1.96*	1.96	ND	*15.0*	15.0	06/19/18	KCA	15	
Vinyl Chloride	ND	*1.17*	1.17	ND	*2.99*	2.99	06/19/18	KCA	15	
QA/QC Surrogates										
% Bromofluorobenzene	101	%	%	101	%	%	06/19/18	KCA	15	

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:

An elevated reporting level was reported for TO15 due to a matrix interference of non target compounds.

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
June 20, 2018
Official Report Release To Follow

Sample Criteria Exceedances Report

GCA71853 - EBC

Criteria: None

State: NY

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

*** No Data to Display ***

PHOENIX
Environmental Laboratories, Inc.

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

CHAIN OF CUSTODY RECORD
AIR ANALYSES

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

P.O. # | Page 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: on file
☐ Phone #:

Report to: Tom Gallo	Invoice to: EBC	Project Name: 1815 Ocean Ave
Customer: EBC		Requested Deliverable: RCP ☐ ASP CAT B ☒
Address:		MCP ☐ NJ Deliverables ☐
	Sampled by: Tom Gallo	State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
	Not used	21356	6.0	-30		4498	173	← not used →									
71853	Post Carbon	18858	↓	↓	-1	3411	↓	10:55	11:25	6/14/18	-27	-3		X			X
71854	Pre Carbon	23352	↓	↓	-2	3187	↓	11:01	11:26	6/14/18	-26	-2	X	X	X		X

Relinquished by:	Accepted by:	Date:	Time:
Ray Gallagher		6-15-18	10:00
		6-15-18	17:30

Data Format: Excel ☒ Equis ☐ Other ☒ (PDF)

Turnaround Time:

☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☒ Standard

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

Signature: _____ Date: _____

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
(3) (6.0) 30 min
Soil Matrix is Soil Gas for all samples

Requested Criteria

Quote Number: _____

Sarah Bell

From: Chawinie Reilly <creilly@ebcincny.com>
Sent: Monday, June 18, 2018 11:57 AM
To: Sarah Bell
Subject: re: GCA71865 & GCA71853 ; 1815 Ocean Ave Brooklyn NY

Hi Sarah,

Can the TAT for these samples be switched to 2 day ?

Thanks,

Chawinie

APPENDIX D

Routine System Inspection Form

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

Tomat Service Station
1815-1825 Ocean Avenue, Brooklyn NY

SOIL VAPOR EXTRACTION SYSTEM INSPECTION FORM

Date: 6-20-18
Time: 9:45
Weather: 72°F / Cldy
Inspector: T.G.

Extraction Point	Vacuum (iwc)	PID Reading(ppm)
SVE-1	-9.46	7.9
SVE-2	-9.09	39.7
Blower inlet	-15.6	40.6
Carbon inlet		40.6
Between carbon		33.8

Inspection:	Yes / No	Comments
Blower Operating?	Yes	Vacuum consistent w/ startup
Spare Carbon Drums?	Yes	Two spare drums in shed
System Integrity?	Yes	No cracks or loose pipes

Comments:

Tomat Service Station
1815-1825 Ocean Avenue, Brooklyn NY

CARBON MONITORING

Carbon filter installation date: 12-17-17

Date/Time	Location	PID reading	PID units(ppm or ppb)
6-20-18 | 9:50	Pre-Carbon	40.6	PPM
6-20-18 | 9:55	Between Carbon	33.8	PPM
6-20-18 | 10:00	Post -Carbon	23.6	PPM

Comments:

No odors outside of shed. Sampled pre and post carbon for TO-15 analysis.

Tomat Service Station
1815-1825 Ocean Avenue, Brooklyn NY

AIR SPARGING SYSTEM INSPECTION FORM

Injection Point	Pressure
AS-1	4.8
AS-2	4.7
AS-3	4.7B
AS-4	4.8
AS-5	4.8
AS-6	4.7
AS-7	4.8
AS-8	4.7

Inspection:	Yes / No	Comments
Blower Operating?	Yes	
Timer, 3-way actuated valve operating?	Yes	
System Integrity?	Yes	

Comments:

AS1 in sprinkler room had water accumulation from hose runoff. Concrete needs to be sealed around manhole cover.

Tomat Service Station
1815-1825 Ocean Avenue, Brooklyn NY

EQUIPMENT SHED

Inspection:	Yes / No	Comments
Vent Operating?	Yes	Fan blowing out vent