

**1120 WESTCHESTER AVENUE
NYSDEC SITE No. 203083**

**1120 WESTCHESTER AVENUE
BRONX, NEW YORK 10459
Block 2750 Lot 11**

**INTERIM REMEDIAL MEASURE
CONSTRUCTION COMPLETION REPORT**

September 2018
(Revised April 2021)

Prepared for:
**West Levy, LLC
2140 East 7th Street
Brooklyn, New York 11230**

Prepared By:



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CERTIFICATION

I Ariel Czemerinski certify that I am currently a NYS registered professional engineer, I had primary direct responsibility for the implementation of the subject construction program, and I certify that the Interim Remedial Measure Work Plan was implemented and that all construction activities were completed in substantial conformance with the NYSDEC-approved Interim Remedial Measure Work Plan.

NYS Professional Engineer # 076508

Date 4/1/2021

Signature



LIST OF ACRONYMS

Acronym	Definition
AMC	AMC Engineering PLLC
AWQS	Ambient Water Quality Standards
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
BTEX	Benzene, Toluene, Ethylbenzene and Xylene
CQMP	Construction Quality Management Plan
EBC	Environmental Business Consultants
FER	Final Engineering Report
CR	Construction Completion Report
LPH	Liquid Phase Hydrocarbons
NYC	New York City
NYCDEP	New York City Department of Environmental Protection
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
QEP	Qualified Environmental Professional
RAO	Remedial Action Objectives
RAWP	Remedial Action Work Plan
RE	Remedial Engineer
RI	Remedial Investigation
SCG	Standards, Criteria, and Guidelines
SCO	Soil Cleanup Objectives
SMMP	Soil/Materials Management Plan
SSO	Site Safety Officer
SWPPP	Stormwater Pollution Prevention Plan
SVOCs	Semi-Volatile Organic Compounds
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds

1.0 INTRODUCTION

This Interim Remedial Measure (IRM) Construction Completion Report (CCR) was prepared on behalf of West Levy LLC for the property located at 1120 Westchester Avenue, Bronx, New York (**Figures 1 and 2**). On March 21, 2017, an Order on Consent was executed by the New York State Department of Environmental Conservation (NYSDEC) to investigate and remediate the chlorinated volatile organic compound (CVOC) contamination identified at the Site. The IRM was conducted in accordance with the NYSDEC-approved IRM Work Plan, prepared by AMC Engineering PLLC, and dated September 2017 (Revised).

This IRM Construction Completion Report documents the installation of a soil vapor extraction (SVE) system, source delineation soil sampling, the excavation and offsite disposal of two 55-gallon drums of hazardous soil and one 55-gallon drum of non-hazardous soil given a “contained-in” determination by the NYSDEC and the soil vapor intrusion evaluation study performed on the buildings adjacent to the Site identified as Lots 10 and 12. An electronic copy of this CCR with all supporting documentation is included as **Appendix A**.

1.1 Site Location and Description

The address for the subject property is 1120 Westchester Avenue, Bronx, NY. The subject property is designated as Block 2750, Lot 11 on the New York City Tax Map. The subject property is located in the City of New York and Borough of Bronx (Bronx County). The Site is an irregular shaped lot consisting of approximately 16 ft of frontage along Westchester Avenue and a total area of 1,307 sf. The Site is improved with a 2-story/full cellar level mixed-use (commercial-retail /residential building) totaling 1,792 sq ft. According to the NYC Department of Buildings the structure was built in 1922. The boundaries of the Site are fully described in **Appendix B**.

The elevation of the Site is approximately 65 feet above the National Geodetic Vertical Datum (NGVD). The area topography gradually slopes downward to the southeast toward the Bronx River. The depth to groundwater beneath the Site is unknown as no groundwater elevation maps are available for the Site and surrounding areas. Groundwater was not encountered during this or previous investigations, and no groundwater monitoring wells were installed to determine the exact depth to groundwater. Based on topography alone, it is anticipated that groundwater would flow to the southeast.

The area surrounding the property is highly urbanized and predominantly consists of multi-family residential buildings with mixed-use buildings (residential w/ first floor retail) along main corridors.

1.2 CURRENT USE

The cellar level and 1st floor retail space in the building are currently vacant. The single residential apartment on the second floor is currently occupied.

2.0 APPROVED IRM WORK PLAN

The IRM proposed for the Site as detailed in the IRM Work Plan (AMC, September 2017) consisted of source delineation soil sampling to delineate the horizontal and vertical extent of the source area, a soil vapor intrusion (SVI) evaluation performed on the two buildings adjacent to the Site identified as Lots 10 and 12, and the installation of a soil vapor extraction (SVE) system beneath the cellar. Photographic documentation of the work is provided in **Appendix C**. Daily status reports are provided in **Appendix D**.

2.1 Materials Handling and Disposal

Under the IRM work plan, two vapor extraction pits were installed below the cellar level concrete slab. Soil excavated for the vapor extraction pits was placed in DOT-approved 55-gallon drums, characterized as both hazardous waste and non-hazardous waste, based on a contained-in determination made by the NYSDEC, and removed by a licensed disposal company. The disposal manifests for the hazardous soil are provided in **Appendix E**. The non-hazardous manifests and contained-in determination documents are provided in **Appendix F**.

2.2 Construction Health and Safety and Community Air Monitoring

Under the IRM, soil excavation activities were to be performed in accordance with a site-specific CHASP to protect the health and safety of all on-site personnel, visitors, and the public from physical harm and exposure to hazardous materials or waste at the site. The CHASP prepared for the site included methods for monitoring potential exposure to workers at the Site from Site related contamination during excavation and installation of the SVE system. The IRM also included a Community Air Monitoring Plan (CAMP) to monitor the cellar level and outdoor areas for dust and volatile organic compounds. Documents related to the CAMP are included in the Daily Status reports provided in **Appendix D**.

2.3 Deviations from the IRM Work Plan

Section 2.5.3 Soil Vapor Intrusion Evaluation of the approved IRM Work Plan stated that a soil vapor intrusion (SVI) evaluation will be performed on the two buildings adjacent to the Site identified as Lots 10 and 12. Attempts were made to gain access into both adjacent lots, but no access was granted for Lot 10, 1118 Westchester Avenue. No authorization from the building owner was given to perform sampling prior to the SVE system installation and start-up. Authorization was granted after the system had been started and post SVE system start-up samples were collected in April 2018. Additionally, the approved IRM Work Plan proposed the construction of a single vapor extraction pit located within the impacted soil zone. A total of two extraction pits were installed in order to adequately depressurize the entire building slab.

3.0 INTERIM REMEDIAL ACTIONS

The IRM completed at the Site consisted of source delineation soil sampling to delineate the horizontal and vertical extent of the source area, a soil vapor intrusion (SVI) evaluation performed on the two buildings adjacent to the Site identified as Lots 10 and 12, and the installation of a soil vapor extraction system.

Photographic documentation of the installation of the SVE system is provided in **Appendix C** and daily status reports are provided in **Appendix D**.

3.1 Source Delineation Soil Sampling

Source delineation soil sampling was performed at the Site on October 10, 2017. Eight borings were installed beneath the cellar concrete slab. At each boring location a soil sample representing the 0-2 ft interval below the cellar concrete slab was collected (SB5 - SB12). The 2-4 ft interval was also collected for three of the eight boring locations (SB 6 - SB 8). Results of the source delineation sampling indicated tetrachloroethene (PCE) above restricted residential soil cleanup objectives in the 0-2 ft interval for SB 6, SB8 and SB9 ranging from 22,000 $\mu\text{g}/\text{Kg}$ to 57,000 $\mu\text{g}/\text{Kg}$. PCE was detected above unrestricted use soil cleanup objectives (UUSCOs) in all other soil boring locations ranging from ranging from 3,700 $\mu\text{g}/\text{Kg}$ to 17,000 $\mu\text{g}/\text{Kg}$, except for SB 6 in the 2-4 ft interval which was detected at 960 $\mu\text{g}/\text{Kg}$. No other VOC compounds were detected above UUSCOs. The approximate October 2017 soil boring locations with sample results are shown on **Figure 3**. Laboratory data for the soil sampling is summarized in **Table 1**. A copy of the laboratory report is provided in **Appendix G**.

3.2 Off-Site Soil Vapor Intrusion Evaluation (Prior to SVE System Start-Up)

An off-Site soil vapor intrusion (SVI) evaluation was performed at 1122 Westchester Avenue, Lot 12 on November 8, 2017. The purpose of the study was to determine if chlorinated volatile organic compounds (CVOCs) associated with the 1120 Westchester Avenue Site was affecting indoor air quality at the 1122 Westchester Avenue property. The SVI evaluation was performed prior to the start-up of the SVE system located at 1120 Westchester Avenue. Two sub-slab soil gas samples were collected from beneath the cellar slab. Two indoor air samples (one in the cellar and one on the first floor) and one outdoor air samples were also collected. Results of the SVI evaluation indicated PCE in the sub-slab soil gas samples ranging from 3,043 $\mu\text{g}/\text{m}^3$ to 3,710 $\mu\text{g}/\text{m}^3$. TCE ranged from 3.37 $\mu\text{g}/\text{m}^3$ to 4.01 $\mu\text{g}/\text{m}^3$. PCE in the indoor air samples ranged from 1.07 $\mu\text{g}/\text{m}^3$ on the first floor to 6.85 $\mu\text{g}/\text{m}^3$ in the cellar. TCE was not reported above the detection limit of 0.20 $\mu\text{g}/\text{m}^3$ in either of the indoor air samples. The approximate SVI air sampling locations with sample results are shown on **Figure 4**. Laboratory data for the SVI sampling is summarized in **Table 2**. A copy of the laboratory report is provided in **Appendix G**.

3.3 Soil Vapor Extraction Installation

The soil vapor extraction system was installed onsite between October 10 and November 2, 2017. The system was installed as designed in the IRM work plan consisting of a single vapor extraction pit located within the impacted soil zone. The pit was constructed of a 2 ft x 2 ft square x 2 ft deep box excavated below the cellar level concrete slab. A 3-inch diameter pipe was installed into the center of the pit and the pit was backfilled with ¾-inch gravel. The top of the pit was sealed with a 20 mil thick vapor barrier membrane followed by a 2-inch concrete patch. The piping was connected to the regenerative blower located at the rear of the cellar. The effluent air was then routed through two vapor phase carbon absorbers connected in series.

The system was started and sampled on November 9, 2017. To confirm that the SVE system was depressurizing the entire footprint of the cellar, vacuum readings were taken from below the concrete cellar slab across the entire cellar. Vacuum readings were recorded below the concrete cellar slab for the front half of the cellar only. No vacuum readings were recorded below the concrete cellar slab for the rear half of the site. Due to the lack of vacuum readings in the rear of the cellar a second SVE pit was installed on December 28, 2017 in the rear half of the cellar. After the installation of the second SVE pit vacuum readings were recorded on January 3, 2018 below the entire footprint of the cellar concrete slab.

Vacuum readings are summarized in **Table 3**. Laboratory data for the SVE start up air sampling is summarized in **Table 4**. The soil vapor extraction system layout is shown on **Figure 5**. The SVE extraction detail is shown on **Figure 6**. The vacuum readings observed beneath the cellar slab on January 3, 2018 depicting the area of influence of the SVE system are shown on **Figure 7**.

3.4 Soil Drum Removal

Soil excavated for the vapor extraction pits was placed in three DOT-approved 55-gallon drums. Two of the 55-gallon drums were classified as hazardous waste. One of the 55-gallon drums was classified as non-hazardous based on a “contained-in” determination given by the NYSDEC. All three of the drums were transported to Cycle Chem located at 217 South 1st Street, Elizabeth, NJ 07206. A total 0.5 tons of hazardous waste and 0.25 tons of non-hazardous waste was disposed of as part of IRM activities. A copy of the formal soil disposal request letters, contained-in approval letters, soil disposal acceptance letter(s), the hazardous and non-hazardous waste manifests and weight tickets are included in **Appendix E** and **Appendix F**.

3.5 On-Site Confirmation Air Sampling - April 2018 (Post SVE System Start-Up)

As per the IRM work plan, on-Site confirmation indoor air testing was completed after the system was operational for more than 30 days. The confirmation indoor air testing was completed in conjunction with off-site soil vapor intrusion evaluations for both adjacent properties located at 1118 and 1122 Westchester Avenue on April 2, 2018. The on-Site confirmation indoor air sampling included the collection of three indoor ambient air samples, IA cellar, IA first floor and IA second floor. Results of the on-Site confirmatory indicated PCE in the indoor air samples ranging from 1 $\mu\text{g}/\text{m}^3$ in the IA first and second floor samples to 1.63 $\mu\text{g}/\text{m}^3$ IA cellar sample. TCE was not reported above the detection limit of 0.20 $\mu\text{g}/\text{m}^3$ in any of the three indoor air samples. The approximate on-Site air sampling locations and posted results from the April 2018 sampling event are shown on **Figure 8**. Laboratory data for the on-Site air sampling is summarized in **Table 5**. A copy of the laboratory report is provided in **Appendix G**.

3.6 Off-Site Soil Vapor Intrusion Evaluation - April 2018 (Post SVE System Start-Up)

As stated above, after the SVE system was operational for more than 30 days an off-Site SVI evaluation was performed at the two adjacent properties located at 1118 and 1122 Westchester Avenue. The off-Site SVI evaluation (post SVE start-up) was completed for both adjacent properties on April 2, 2018.

The off-Site SVI evaluation (post SVE start-up) for the 1122 Westchester Avenue property included the collection of two sub-slab soil gas samples from beneath the cellar slab. Two indoor air samples (one in the cellar and one on the first floor) and one outdoor air samples were also collected. Results of this SVI evaluation indicated PCE in the sub-slab soil gas samples ranging from 101 $\mu\text{g}/\text{m}^3$ to 264 $\mu\text{g}/\text{m}^3$. TCE ranged from 0.34 $\mu\text{g}/\text{m}^3$ to 0.67 $\mu\text{g}/\text{m}^3$. PCE in the indoor air samples ranged from 0.35 $\mu\text{g}/\text{m}^3$ on the first floor to 1 $\mu\text{g}/\text{m}^3$ in the cellar. TCE was not reported above the detection limit of 0.20 $\mu\text{g}/\text{m}^3$ in either of the indoor air samples. The approximate off-Site air sampling locations with sample results are shown on **Figure 8**. Laboratory data for the off-Site air sampling is summarized in **Table 6**. A copy of the laboratory reports is provided in **Appendix G**.

The off-Site SVI evaluation (post SVE start-up) for the 1118 Westchester Avenue property included the collection of one sub-slab soil gas sample from beneath the cellar slab. Three indoor air samples (one in the cellar and one on the first and second floors) and one outdoor air samples were also collected. Results of this SVI evaluation indicated PCE in the sub-slab soil gas sample reported at 33 $\mu\text{g}/\text{m}^3$. TCE was reported at 1.12 $\mu\text{g}/\text{m}^3$. PCE in the indoor air samples ranged from 0.47 $\mu\text{g}/\text{m}^3$ on the first floor to 2 $\mu\text{g}/\text{m}^3$ in the cellar. TCE in the indoor air samples was only detected in the cellar at a concentration of 0.46 $\mu\text{g}/\text{m}^3$. TCE was not reported above the detection limit of 0.20 $\mu\text{g}/\text{m}^3$ in either the first or second floor indoor air samples. The approximate air sampling locations with sample results are shown on **Figure 8**.

Laboratory data for the 1118 Westchester avenue air sampling is summarized in **Table 7**. A copy of the laboratory reports is provided in **Appendix G**. **Figure 8** shows SVI sampling results for all of the lots.

3.7 SVE System Sampling

As per the IRM work plan, quarterly sampling of the SVE system influent and discharge (after treatment) was performed on March 14, 2018 (1Q18), June 7, 2018 (2Q18), September 11, 2018 (3Q18), December 26, 2018 (4Q18) and March 22, 2019 (1Q19). The quarterly sampling included the collection of PID readings and air samples from the influent (pre-carbon) and discharge (post-carbon) sampling points, with a mid carbon sample collected on March 14, 2018. Results of the quarterly sampling indicated PCE in the influent air samples ranged from 1,210 $\mu\text{g}/\text{m}^3$ to 390 $\mu\text{g}/\text{m}^3$ (4Q18) and TCE ranged from 12.1 $\mu\text{g}/\text{m}^3$ (1Q18) to 1.35 $\mu\text{g}/\text{m}^3$ (1Q19). Laboratory data for the SVE system sampling events is summarized in **Table 8**. A copy of the laboratory report for each quarter is provided in **Appendix G**.

3.8 Data Validation

Analytical results for all air samples that were collected under the IRM work plan were provided in ASP Category B deliverables format. All data was submitted to Koman Government Solutions, LLC (KGS) of Marlborough, MA for validation. Copies of the complete laboratory reports are included in **Appendix G**. Data usability summary reports (DUSRs) for each laboratory SDG are included in **Appendix H**.

Based upon a review of the DUSRs, the data collected during the IRM field activities are valid as reported and useable for decision making purposes. Selected data points were qualified due to non-conformance of certain quality control criteria.

4.0 HEALTH AND SAFETY MONITORING

EBC personnel performed on-site health and safety monitoring during the excavation and installation of the SVE system. Health and safety monitoring was conducted in accordance with the approved CHASP which required periodic air monitoring for the presence of volatile organic compounds (VOCs) and dust particles.

4.1 HASP Acknowledgement

The site safety officer documented that on-site personnel and visitors understood the requirements detailed in the CHASP. As the project progressed, the site safety officer also ensured that new personnel and visitors were made aware of the health and safety requirements.

4.2 Air Monitoring

In accordance with the CHASP and CAMP, work space and perimeter air monitoring was conducted during soil disturbance and intrusive activities, around the excavation area(s) at locations throughout the cellar and immediately outside of the building along Westchester Avenue. Ambient air in the breathing zone and around the perimeter of the site was monitored for the presence of VOCs using a MiniRae 2000 photo-ionization detector and fugitive dust using an MIE PDR-1000 dust monitor. No concentrations of VOCs or dust were detected at the perimeter air monitoring locations above action levels specified in the CHASP or CAMP. VOCs were also not detected above action levels in the breathing zone during intrusive activities. Air monitoring readings are included in the Daily Status reports provided in **Appendix D**.

TABLES

Table 1
1120 Westchester Avenue, Bronx, NY
Source Delineation Soil Analytical Results
Pre SVE Installation
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB5		SB6				SB7				SB8				SB9		SB10		SB11		SB12		Duplicate			
			(0-2')		(0-2')		(2-4')		(0-2')		(2-4')		(0-2')		(2-4')		(0-2')		(0-2')		(0-2')		(0-2')		SB10 (0-2')			
			10/10/2017		10/10/2017		10/10/2017		10/10/2017		10/10/2017		10/10/2017		10/10/2017		10/10/2017		10/10/2017		10/10/2017		10/10/2017		10/10/2017		10/10/2017	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 1200	1200	< 910	910	< 16	16	< 770	770	< 950	950	< 940	940	< 1200	1200	< 970	970	< 810	810	< 1000	1000	< 1100	1100	< 900	900		
1,1,1-Trichloroethane	680	100,000	< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
1,1,2,2-Tetrachloroethane			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
1,1,2-Trichloroethane			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
1,1-Dichloroethane	270	26,000	< 270	270	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 270	270	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
1,1-Dichloroethene	330	100,000	< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
1,1-Dichloropropene			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
1,2,3-Trichlorobenzene			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
1,2,3-Trichloropropane			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
1,2,4-Trichlorobenzene			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
1,2,4-Trimethylbenzene	3,600	52,000	< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
1,2-Dibromo-3-Chloropropane			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
1,2-Dibromomethane			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
1,2-Dichlorobenzene	1,100	100,000	< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
1,2-Dichloroethane	20	3,100	< 31	31	< 23	23	< 3.9	3.9	< 20	20	< 24	24	< 24	24	< 31	31	< 24	24	< 20	20	< 26	26	< 27	27	< 23	23		
1,2-Dichloropropane			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
1,3,5-Trimethylbenzene	8,400	52,000	< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
1,3-Dichlorobenzene	2,400	4,900	< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
1,3-Dichloropropane			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
1,4-Dichlorobenzene	1,800	13,000	< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
1,4-Dioxane			< 2400	2400	< 1800	1800	< 59	59	< 1500	1500	< 1900	1900	< 1900	1900	< 2500	2500	< 1900	1900	< 1600	1600	< 2100	2100	< 1800	1800	< 1300	1300		
2,2-Dichloropropane			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
2-Chlorotoluene			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
2-Hexanone (Methyl Butyl Ketone)			< 1500	1500	< 1100	1100	< 20	20	< 960	960	< 1200	1200	< 1200	1200	< 1600	1600	< 1200	1200	< 1000	1000	< 1300	1300	< 1300	1300	< 1100	1100		
2-Isopropyltoluene			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
4-Chlorotoluene			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
4-Methyl-2-Pentanone			< 1500	1500	< 1100	1100	< 20	20	< 960	960	< 1200	1200	< 1200	1200	< 1600	1600	< 1200	1200	< 1000	1000	< 1300	1300	< 1300	1300	< 1100	1100		
Acetone	50	100,000	< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
Acrolein			< 1200	1200	< 910	910	< 16	16	< 770	770	< 950	950	< 940	940	< 1200	1200	< 970	970	< 810	810	< 1000	1000	< 1100	1100	< 900	900		
Acrylonitrile			< 1200	1200	< 910	910	< 16	16	< 770	770	< 950	950	< 940	940	< 1200	1200	< 970	970	< 810	810	< 1000	1000	< 1100	1100	< 900	900		
Benzene	60	4,800	< 60	60	< 60	60	< 3.9	3.9	< 60	60	< 60	60	< 60	60	< 60	60	< 60	60	< 60	60	< 60	60	< 60	60	< 60	60		
Bromobenzene			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
Bromochloromethane			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
Bromodichloromethane			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
Bromomethane			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
Bromotoluene			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
Carbon Disulfide			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
Carbon tetrachloride	760	2,400	< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
Chlorobenzene	1,100	100,000	< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 230	230		
Chloroethane			< 310	310	< 230	230	< 3.9	3.9	< 190	190	< 240	240	< 240	240	< 310	310	< 240	240	< 200	200	< 260	260	< 270	270	< 2			

TABLE 2
 1122 Westchester Avenue, Bronx, NY
 Off- Site Soil Vapor Intrusion Analytical Results (Nov 2017)
 Pre SVE Installation
 Volatile Organic Compounds

COMPOUNDS	NYSDOH Recommended Indoor Air Action Level (µg/m ³) ^(a)	NYSDOH Soil Outdoor Background Levels (µg/m ³) ^(b)	SS1		SS2		IA1		IA2		OA1	
			11/8/2017 (µg/m ³)		11/8/2017 (µg/m ³)		11/8/2017 (µg/m ³)		11/8/2017 (µg/m ³)		11/8/2017 (µg/m ³)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,1,1-Trichloroethane		<2.0 - 2.8	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,1,2,2-Tetrachloroethane		<1.5	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,1,2-Trichloroethane		<1.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,1-Dichloroethane		<1.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,1-Dichloroethene		<1.0	<0.20	0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20
1,2,4-Trichlorobenzene		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,2,4-Trimethylbenzene		<1.0	88.4	1.00	100	1.00	1.16	1.00	<1.00	1.00	38.5	1.00
1,2-Dibromoethane		<1.5	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,2-Dichlorobenzene		<2.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,2-Dichloroethane		<1.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,2-Dichloropropane			<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,2-Dichlorotetrafluoroethane			<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,3,5-Trimethylbenzene		<1.0	26.2	1.00	30.8	1.00	<1.00	1.00	<1.00	1.00	10.8	1.00
1,3-Butadiene		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,3-Dichlorobenzene		<2.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,4-Dichlorobenzene		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,4-Dioxane			<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
2-Hexanone			<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
4-Ethyltoluene		NA	28.2	1.00	32.3	1.00	<1.00	1.00	<1.00	1.00	21.9	1.00
4-Isopropyltoluene			1.85	1.00	2.34	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
4-Methyl-2-pentanone			<1.00	1.00	1.04	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Acetone		NA	46.8	1.00	42.7	1.00	9.71	1.00	11.6	1.00	42.3	1.00
Acrylonitrile			<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Benzene		<1.6 - 4.7	12.5	1.00	7.02	1.00	<1.00	1.00	<1.00	1.00	16.1	1.00
Benzyl Chloride		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Bromodichloromethane		<5.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Bromoform		<1.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Bromomethane		<1.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Carbon Disulfide		NA	1.82	1.00	1.63	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Carbon Tetrachloride		<3.1	<0.20	0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20
Chlorobenzene		<2.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Chloroethane		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Chloroform		<2.4	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Chloromethane		<1.0 - 1.4	<1.00	1.00	<1.00	1.00	<1.00	1.00	1.03	1.00	1.07	1.00
cis-1,2-Dichloroethene		<1.0	<0.20	0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20
cis-1,3-Dichloropropene		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Cyclohexane		NA	3.89	1.00	2.97	1.00	<1.00	1.00	<1.00	1.00	1.99	1.00
Dibromochloromethane		<5.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Dichlorodifluoromethane		NA	2.28	1.00	2.25	1.00	2.25	1.00	2.19	1.00	2.28	1.00
Ethanol			94.3	1.00	101	29.9	44.6	1.00	159	1.00	60.4	1.00
Ethyl Acetate		NA	1.22	1.00	1.54	1.00	<1.00	1.00	1.61	1.00	<1.00	1.00
Ethylbenzene		<4.3	90.7	1.00	112	1.00	<1.00	1.00	2.66	1.00	98.5	1.00
Heptane		NA	16.8	1.00	13.2	1.00	<1.00	1.00	<1.00	1.00	20	1.00
Hexachlorobutadiene		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Hexane		<1.5	13.6	1.00	8.1	1.00	1.04	1.00	1.04	1.00	19.4	1.00
Isopropylalcohol		NA	1.17	1.00	<1.00	1.00	5.63	1.00	7.42	1.00	2.04	1.00
Isopropylbenzene			19.1	1.00	38.6	1.00	<1.00	1.00	<1.00	1.00	8.79	1.00
Xylene (m&p)		<4.3	326	1.00	401	30.0	2.83	1.00	13.6	1.00	423	4.99
Methyl Ethyl Ketone			4.24	1.00	3.68	1.00	2.21	1.00	1.48	1.00	1.14	1.00
MTBE		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Methylene Chloride		<3.4	3.54	3.00	3.3	3.00	<3.00	3.00	<3.00	3.00	4.65	3.00
n-Butylbenzene			5.71	1.00	6.58	1.00	<1.00	1.00	<1.00	1.00	2.5	1.00
Xylene (o)		<4.3	96.3	1.00	130	1.00	1.11	1.00	4.05	1.00	74.6	1.00
Propylene		NA	55.9	1.00	15.8	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
sec-Butylbenzene			<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Styrene		<1.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Tetrachloroethene	30		3,040	7.52	3,710	7.52	6.85	0.25	1.07	0.25	6.76	0.25
Tetrahydrofuran		NA	1.42	1.00	2.25	1.00	3.3	1.00	<1.00	1.00	<1.00	1.00
Toluene		1.0 - 6.1	339	30.0	297	30.0	2.5	1.00	4.18	1.00	606	5.01
trans-1,2-Dichloroethene		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
trans-1,3-Dichloropropene		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Trichloroethene	2	<1.7	3.37	0.20	4.01	0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20
Trichlorofluoromethane		NA	1.26	1.00	1.08	1.00	1.3	1.00	1.17	1.00	1.3	1.00
Trichlorotrifluoroethane			<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Vinyl Chloride		<1.0	<0.20	0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20
BTEX			864.50		947.02		6.44		24.49		1,216.20	
CVOC			3,043.37		3,714.01		6.85		1.07		6.76	
Total VOCs			4,325.57		5,072.19		84.49		212.10		1,464.02	

Notes:

NA No guidance value or standard available

(a) New York State Department of Health, Fact Sheets
 (b) NYSDOH February 2005, Summary of Background Levels for Selected Compounds (NYSDOH Database, Outdoor values)

Table 3
1120 Westchester Avenue, Bronx, NY
Vacuum Readings during SVE Installation
January 3, 2018

Subslab Vacuum Test Location	Vacuum Readings
	1/3/2018
V1	-0.06
V2	-0.94
V3	-0.5
V6	-0.02
V8	-0.12
V9	-0.2
V10	-0.12
V11	-0.05
V12	-0.15
V13	-0.09

Notes:

Vacuum readings in inches of H2O

Table 4
 Post SVE Installation System Start-up Analytical Results
 Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub-Slab Value ($\mu\text{g}/\text{m}^3$) ^(a)	NYSDOH Soil Outdoor Background Levels ($\mu\text{g}/\text{m}^3$) ^(b)	Pre Carbon $\mu\text{g}/\text{m}^3$		Post Carbon $\mu\text{g}/\text{m}^3$	
			11/19/2017		11/19/2017	
			Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 4.00	4.00	< 4.00	4.00
1,1,1-Trichloroethane	100	<2.0 - 2.8	< 4.00	4.00	< 4.00	4.00
1,1,2,2-Tetrachloroethane		<1.5	< 4.00	4.00	< 4.00	4.00
1,1,2-Trichloroethane		<1.0	< 4.00	4.00	< 4.00	4.00
1,1-Dichloroethane		<1.0	< 4.00	4.00	< 4.00	4.00
1,1-Dichloroethene		<1.0	< 4.00	4.00	< 4.00	4.00
1,2,4-Trimethylbenzene		<1.0	< 4.00	4.00	11.5	4.00
1,2-Dibromoethane		<1.5	< 4.00	4.00	< 4.00	4.00
1,2-Dichloroethane		<1.0	< 4.00	4.00	< 4.00	4.00
1,2-Dichloropropane			< 4.00	4.00	< 4.00	4.00
1,2-Dichlorotetrafluoroethane			< 4.00	4.00	< 4.00	4.00
1,3,5-Trimethylbenzene		<1.0	< 4.00	4.00	< 4.00	4.00
1,3-Butadiene		NA	< 4.00	4.00	< 4.00	4.00
1,4-Dioxane			< 4.00	4.00	< 4.00	4.00
2-Hexanone			< 4.00	4.00	< 4.00	4.00
4-Ethyltoluene		NA	< 4.00	4.00	< 4.00	4.00
4-Isopropyltoluene			< 4.00	4.00	< 4.00	4.00
4-Methyl-2-pentanone			< 4.00	4.00	< 4.00	4.00
Acetone		NA	< 3.99	3.99	181	3.99
Acrylonitrile			< 3.99	3.99	< 3.99	3.99
Benzene		<1.6 - 4.7	< 3.99	3.99	< 3.99	3.99
Bromodichloromethane		<5.0	< 4.00	4.00	< 4.00	4.00
Bromofom		<1.0	< 4.00	4.00	< 4.00	4.00
Bromomethane		<1.0	< 4.00	4.00	< 4.00	4.00
Carbon Disulfide		NA	< 4.01	4.01	< 4.01	4.01
Carbon Tetrachloride	5	<3.1	< 1.00	1.00	< 1.00	1.00
Chlorobenzene		<2.0	< 4.00	4.00	< 4.00	4.00
Chloroethane		NA	< 4.01	4.01	< 4.01	4.01
Chloroform		<2.4	< 4.00	4.00	< 4.00	4.00
Chloromethane		<1.0 - 1.4	< 4.00	4.00	< 4.00	4.00
cis-1,2-Dichloroethene		<1.0	< 4.00	4.00	< 4.00	4.00
cis-1,3-Dichloropropene		NA	< 4.00	4.00	< 4.00	4.00
Cyclohexane		NA	< 3.99	3.99	< 3.99	3.99
Dibromochloromethane		<5.0	< 4.00	4.00	< 4.00	4.00
Dichlorodifluoromethane		NA	< 4.00	4.00	< 4.00	4.00
Ethanol			18.8	3.99	18	3.99
Ethyl Acetate		NA	< 4.00	4.00	< 4.00	4.00
Ethylbenzene		<4.3	< 4.00	4.00	< 4.00	4.00
Heptane		NA	< 4.00	4.00	< 4.00	4.00
Hexachlorobutadiene		NA	< 4.00	4.00	< 4.00	4.00
Hexane		<1.5	< 4.02	4.02	< 4.02	4.02
Isopropylalcohol		NA	10.2	4.00	< 4.00	4.00
Isopropylbenzene			< 4.00	4.00	< 4.00	4.00
Xylene (m&p)		<4.3	9.46	4.00	17.7	4.00
Methyl Ethyl Ketone			40.4	4.01	15.4	4.01
MTBE		NA	< 4.00	4.00	< 4.00	4.00
Methylene Chloride		<3.4	< 3.99	3.99	< 3.99	3.99
n-Butylbenzene			< 4.00	4.00	< 4.00	4.00
Xylene (o)		<4.3	< 4.00	4.00	5.73	4.00
Propylene		NA	< 4.01	4.01	< 4.01	4.01
sec-Butylbenzene			< 4.00	4.00	< 4.00	4.00
Tetrachloroethene	30		12,800	17.5	10.8	1.00
Tetrahydrofuran		NA	4,270	69.9	360	4.01
Toluene		1.0 - 6.1	10.1	3.99	11.4	3.99
trans-1,2-Dichloroethene		NA	< 4.00	4.00	< 4.00	4.00
Trichloroethene	2	<1.7	23.7	1.00	< 1.00	1.00
Trichlorofluoromethane		NA	< 4.00	4.00	< 4.00	4.00
Trichlorotrifluoroethane			< 4.00	4.00	< 4.00	4.00
Vinyl Chloride		<1.0	< 1.00	1.00	< 1.00	1.00
BTEX			19.56		34.83	
CVOC			12,823.70		10.80	
Total VOCs			17,182.66		631.53	

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 5
 1120 Westchester Avenue, Bronx, NY
 On-Site Post SVE Installation Air Sample Analytical Results
 Volatile Organic Compounds

COMPOUNDS	NYSDOH Recommended Indoor Air Action Level ($\mu\text{g}/\text{m}^3$) ^(a)	NYSDOH Soil Outdoor Background Levels ($\mu\text{g}/\text{m}^3$) ^(b)	1A Cellar 4/2/2018 ($\mu\text{g}/\text{m}^3$)		1A First Floor 4/2/2018 ($\mu\text{g}/\text{m}^3$)		1A Second Floor 4/2/2018 ($\mu\text{g}/\text{m}^3$)		OA1 4/2/2018 ($\mu\text{g}/\text{m}^3$)	
			Result	RL	Result	RL	Result	RL	Result	RL
			1,1,1,2-Tetrachloroethane			< 1.00	1.00	< 1.00	1.00	< 1.00
1,1,1-Trichloroethane		<2.0 - 2.8	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2,2-Tetrachloroethane		<1.5	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2-Trichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethene		<1.0	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
1,2,4-Trichlorobenzene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2,4-Trimethylbenzene		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dibromoethane		<1.5	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloropropane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorotetrafluoroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3,5-Trimethylbenzene		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3-Butadiene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3-Dichlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dichlorobenzene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dioxane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
2-Hexanone			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Ethyltoluene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Isopropyltoluene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Methyl-2-pentanone			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Acetone		NA	7.07	1.00	7.83	1.00	14.7	1.00	6.84	1.00
Acrylonitrile			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Benzene		<1.6 - 4.7	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Benzyl Chloride		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromodichloromethane		<5.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromoform		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromomethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Disulfide		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Tetrachloride		<3.1	0.42	0.20	0.43	0.20	0.45	0.20	0.43	0.20
Chlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroethane		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroform		<2.4	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloromethane		<1.0 - 1.4	1.19	1.00	1.22	1.00	1.38	1.00	1.16	1.00
cis-1,2-Dichloroethene		<1.0	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
cis-1,3-Dichloropropene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Cyclohexane		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Dibromochloromethane		<5.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Dichlorodifluoromethane		NA	2.19	1.00	2.07	1.00	2.28	1.00	2.07	1.00
Ethanol			22	1.00	20	1.00	267	1.00	17.5	1.00
Ethyl Acetate		NA	< 1.00	1.00	< 1.00	1.00	1.89	1.00	< 1.00	1.00
Ethylbenzene		<4.3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Heptane		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Hexachlorobutadiene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Hexane		<1.5	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Isopropylalcohol		NA	3.66	1.00	3.1	1.00	67.1	1.00	3.02	1.00
Isopropylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Xylene (m&p)		<4.3	1.06	1.00	1.04	1.00	1.18	1.00	< 1.00	1.00
Methyl Ethyl Ketone			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
MTBE		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Methylene Chloride		<3.4	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00
n-Butylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Xylene (o)		<4.3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Propylene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
sec-Butylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Styrene		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Tetrachloroethene	30		1.63	0.25	1	0.25	1	0.25	0.25	0.25
Tetrahydrofuran		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Toluene		1.0 - 6.1	1.5	1.00	1.59	1.00	1.89	1.00	1.25	1.00
trans-1,2-Dichloroethene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
trans-1,3-Dichloropropene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Trichloroethene	2	<1.7	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	1.04	0.20
Trichlorofluoromethane		NA	1.1	1.00	1.09	1.00	1.31	1.00	1.08	1.00
Trichlorotrifluoroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Vinyl Chloride		<1.0	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
BTEX			2.56		2.63		3.07		1.25	
CVOC			2.05		1.16		1.49		1.72	
Total VOCs			41.82		39.10		360.22		34.64	

Notes:

NA No guidance value or standard available

(a) New York State Department of Health, Fact Sheets
 (b) NYSDOH February 2005, Summary of Background Levels for Selected Compounds (NYSDOH Database, Outdoor values)

Table 6
 1122 Westchester Avenue, Bronx, NY
 Off-Site SVI Air Sample Analytical Results- April 2018
 Post SVE Installation
 Volatile Organic Compounds

COMPOUNDS	NYSDOH Recommended Indoor Air Action Level (µg/m ³) ^(a)	NYSDOH Soil Outdoor Background Levels (µg/m ³) ^(b)	SS1		SS2		IA Cellar		IA First Floor		OA1	
			4/2/2018 (µg/m ³)		4/2/2018 (µg/m ³)		4/2/2018 (µg/m ³)		4/2/2018 (µg/m ³)		4/2/2018 (µg/m ³)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,1,1-Trichloroethane		<2.0 - 2.8	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,1,2,2-Tetrachloroethane		<1.5	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,1,2-Trichloroethane		<1.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,1-Dichloroethane		<1.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,1-Dichloroethene		<1.0	<0.20	0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20
1,2,4-Trichlorobenzene		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,2,4-Trimethylbenzene		<1.0	2.88	1.00	3.38	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,2-Dibromoethane		<1.5	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,2-Dichlorobenzene		<2.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,2-Dichloroethane		<1.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,2-Dichloropropane			<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,2-Dichlorotetrafluoroethane			<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,3,5-Trimethylbenzene		<1.0	1.07	1.00	1.06	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,3-Butadiene		NA	<1.00	1.00	2.59	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,3-Dichlorobenzene		<2.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,4-Dichlorobenzene		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
1,4-Dioxane			<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
2-Hexanone			<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
4-Ethyltoluene		NA	2.12	1.00	2.3	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
4-Isopropyltoluene			<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
4-Methyl-2-pentanone			<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Acetone		NA	109	5.01	176	5.01	14.5	1.00	18.3	1.00	6.84	1.00
Acrylonitrile			<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Benzene		<1.6 - 4.7	1.09	1.00	1.86	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Benzyl Chloride		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Bromodichloromethane		<5.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Bromoform		<1.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Bromomethane		<1.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Carbon Disulfide		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Carbon Tetrachloride		<3.1	0.38	0.20	0.46	0.20	0.43	0.20	0.4	0.20	0.43	0.20
Chlorobenzene		<2.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Chloroethane		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Chloroform		<2.4	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Chloromethane		<1.0 - 1.4	<1.00	1.00	1.06	1.00	1.22	1.00	1.15	1.00	1.16	1.00
cis-1,2-Dichloroethene		<1.0	<0.20	0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20
cis-1,3-Dichloropropene		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Cyclohexane		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Dibromochloromethane		<5.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Dichlorodifluoromethane		NA	1.95	1.00	2.17	1.00	2.08	1.00	2.02	1.00	2.07	1.00
Ethanol			64	5.01	132	5.01	17.8	1.00	132	1.00	17.5	1.00
Ethyl Acetate		NA	9.69	1.00	3.85	1.00	<1.00	1.00	1.62	1.00	<1.00	1.00
Ethylbenzene		<4.3	1.05	1.00	1.21	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Heptane		NA	4.87	1.00	3.1	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Hexachlorobutadiene		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Hexane		<1.5	1.08	1.00	1.13	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Isopropylalcohol		NA	142	5.01	112	5.01	3.98	1.00	5.87	1.00	3.02	1.00
Isopropylbenzene			<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Xylene (m&p)		<4.3	3.61	1.00	3.81	1.00	1.27	1.00	1.63	1.00	<1.00	1.00
Methyl Ethyl Ketone			62.8	1.00	96.7	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
MTBE		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Methylene Chloride		<3.4	<3.00	3.00	<3.00	3.00	<3.00	3.00	<3.00	3.00	<3.00	3.00
n-Butylbenzene			<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Xylene (o)		<4.3	2.1	1.00	3.69	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Propylene		NA	4.82	1.00	18.6	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
sec-Butylbenzene			<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Styrene		<1.0	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Tetrachloroethene	30		264	0.25	101	0.25	1	0.25	0.35	0.25	0.25	0.25
Tetrahydrofuran		NA	46.9	1.00	104	5.01	<1.00	1.00	<1.00	1.00	<1.00	1.00
Toluene		1.0 - 6.1	9.19	1.00	9.79	1.00	1.74	1.00	2.47	1.00	1.25	1.00
trans-1,2-Dichloroethene		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
trans-1,3-Dichloropropene		NA	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Trichloroethene	2	<1.7	0.67	0.20	0.34	0.20	<0.20	0.20	<0.20	0.20	1.04	0.20
Trichlorofluoromethane		NA	1.09	1.00	1.28	1.00	1.09	1.00	1.06	1.00	1.08	1.00
Trichlorotrifluoroethane			<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00
Vinyl Chloride		<1.0	<0.20	0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20
BTEX			17.04		20.36		3.01		4.10		1.25	
CVOC			265.05		101.80		0.95		0.75		1.72	
Total VOCs			736.36		783.38		44.63		166.87		34.64	

Notes:

NA No guidance value or standard available

(a) New York State Department of Health, Fact Sheets
 (b) NYSDOH February 2005, Summary of Background Levels for Selected Compounds (NYSDOH Database, Outdoor values)

Table 7
 1118 Westchester Avenue, Bronx, NY
 Off-Site SVI Air Sample Analytical Results- April 2018
 Post SVE Installation
 Volatile Organic Compounds

COMPOUNDS	NYSDOH Recommended Indoor Air Action Level ($\mu\text{g}/\text{m}^3$) ^(a)	NYSDOH Soil Outdoor Background Levels ($\mu\text{g}/\text{m}^3$) ^(b)	SS1		IA Cellar		IA First Floor		IA Second Floor		OA1	
			4/2/2018 ($\mu\text{g}/\text{m}^3$)		4/2/2018 ($\mu\text{g}/\text{m}^3$)		4/2/2018 ($\mu\text{g}/\text{m}^3$)		4/2/2018 ($\mu\text{g}/\text{m}^3$)		4/2/2018 ($\mu\text{g}/\text{m}^3$)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
1,1,1-Trichloroethane		<2,0 - 2,8	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
1,1,2,2-Tetrachloroethane		<1,5	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
1,1,2-Trichloroethane		<1,0	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
1,1-Dichloroethane		<1,0	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
1,1-Dichloroethene		<1,0	<0,20	0,20	<0,20	0,20	<0,20	0,20	<0,20	0,20	<0,20	0,20
1,2,4-Trichlorobenzene		NA	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
1,2,4-Trimethylbenzene		<1,0	4,82	1,00	1,23	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
1,2-Dibromoethane		<1,5	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
1,2-Dichlorobenzene		<2,0	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
1,2-Dichloroethane		<1,0	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
1,2-Dichloropropane			<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
1,2-Dichlorotetrafluoroethane			<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
1,3,5-Trimethylbenzene		<1,0	1,51	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
1,3-Butadiene		NA	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
1,3-Dichlorobenzene		<2,0	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
1,4-Dichlorobenzene		NA	<1,00	1,00	<1,00	1,00	2,32	1,00	<1,00	1,00	<1,00	1,00
1,4-Dioxane			<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
2-Hexanone			<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
4-Ethyltoluene		NA	3,15	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
4-Isopropyltoluene			<1,00	1,00	<1,00	1,00	<1,00	1,00	1,46	1,00	<1,00	1,00
4-Methyl-2-pentanone			<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Acetone		NA	306	5,01	26,4	1,00	<1,00	1,00	129	5,01	6,84	1,00
Acrylonitrile			<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Benzene		<1,6 - 4,7	<1,00	1,00	1,01	1,00	<1,00	1,00	3,29	1,00	<1,00	1,00
Benzyl Chloride		NA	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Bromodichloromethane		<5,0	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Bromoform		<1,0	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Bromomethane		<1,0	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Carbon Disulfide		NA	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Carbon Tetrachloride		<3,1	0,45	0,20	0,42	0,20	0,43	0,20	0,47	0,20	0,43	0,20
Chlorobenzene		<2,0	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Chloroethane		NA	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Chloroform		<2,4	1,47	1,00	1,75	1,00	<1,00	1,00	7,76	1,00	<1,00	1,00
Chloromethane		<1,0 - 1,4	<1,00	1,00	1,12	1,00	<1,00	1,00	<1,00	1,00	1,16	1,00
cis-1,2-Dichloroethene		<1,0	9,79	0,20	<0,20	0,20	<0,20	0,20	<0,20	0,20	<0,20	0,20
cis-1,3-Dichloropropene		NA	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Cyclohexane		NA	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Dibromochloromethane		<5,0	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Dichlorodifluoromethane		NA	2,24	1,00	2,05	1,00	1,71	1,00	1,72	1,00	2,07	1,00
Ethanol			174	5,01	200	1,00	2000	1,00	2030	5,01	17,5	1,00
Ethyl Acetate		NA	9,18	1,00	<1,00	1,00	5,01	1,00	4,18	1,00	<1,00	1,00
Ethylbenzene		<4,3	1,51	1,00	<1,00	1,00	1,54	1,00	1,08	1,00	<1,00	1,00
Heptane		NA	2,49	1,00	<1,00	1,00	<1,00	1,00	1,5	1,00	<1,00	1,00
Hexachlorobutadiene		NA	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Hexane		<1,5	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Isopropylalcohol		NA	159	5,01	95,8	1,00	1680	1,00	337	5,01	3,02	1,00
Isopropylbenzene			<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Xylene (m&p)		<4,3	4,95	1,00	1,74	1,00	5,16	1,00	3,28	1,00	<1,00	1,00
Methyl Ethyl Ketone			160	5,01	2,02	1,00	1,24	1,00	4,54	1,00	<1,00	1,00
MTBE		NA	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Methylene Chloride		<3,4	<3,00	3,00	<3,00	3,00	<3,00	3,00	<3,00	3,00	<3,00	3,00
n-Butylbenzene			<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Xylene (o)		<4,3	2,83	1,00	<1,00	1,00	1,93	1,00	1,1	1,00	<1,00	1,00
Propylene		NA	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
sec-Butylbenzene			<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Styrene		<1,0	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Tetrachloroethene	30		33	0,25	2	0,25	0,47	0,25	0,54	0,25	0,25	0,25
Tetrahydrofuran		NA	140	5,01	<1,00	1,00	<1,00	1,00	1,31	1,00	<1,00	1,00
Toluene		1,0 - 6,1	8,02	1,00	2,14	1,00	4,29	1,00	5,65	1,00	1,25	1,00
trans-1,2-Dichloroethene		NA	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
trans-1,3-Dichloropropene		NA	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Trichloroethene	2	<1,7	1,12	0,20	0,46	0,20	<0,20	0,20	<0,20	0,20	1,04	0,20
Trichlorofluoromethane		NA	1,3	1,00	1,04	1,00	<1,00	1,00	<1,00	1,00	1,08	1,00
Trichlorotrifluoroethane			<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00	<1,00	1,00
Vinyl Chloride		<1,0	<0,20	0,20	<0,20	0,20	<0,20	0,20	<0,20	0,20	<0,20	0,20
BTEX			17,31		4,89		12,92		14,40		1,25	
CVOC			44,36		2,57		0,90		1,01		1,72	
Total VOCs			1,026,83		338,87		3,704,10		2,533,88		34,64	

Notes:

NA No guidance value or standard available

(a) New York State Department of Health, Fact Sheets
 (b) NYSDOH February 2005, Summary of Background Levels for Selected Compounds
 (NYSDOH Database, Outdoor values)

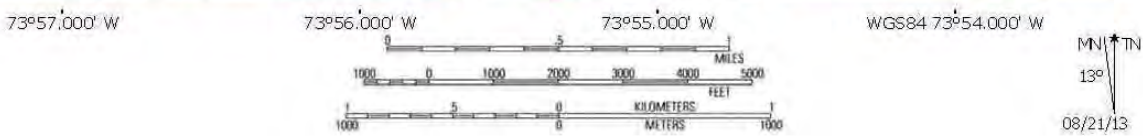
Table 8
Soil Vapor Extraction System Analytical Results
Volatile Organic Compounds
Quarterly Air Sampling Analytical Results

COMPOUNDS	NYSDOH Maximum Sub-Slab Value ($\mu\text{g}/\text{m}^3$) (a)	Pre Carbon ($\mu\text{g}/\text{m}^3$)										Mid Carbon ($\mu\text{g}/\text{m}^3$)				Post Carbon ($\mu\text{g}/\text{m}^3$)															
		3/14/2018		6/7/2018		9/11/2018		12/26/2018		3/22/2019		3/14/2018		6/7/2018		9/11/2018		12/26/2018		3/22/2019		3/14/2018		6/7/2018		9/11/2018		12/26/2018		3/22/2019	
		Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane		<5.00	5.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
1,1,1-Trichloroethane	100	<5.00	5.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
1,1,2,2-Tetrachloroethane		<5.00	5.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
1,1,2-Trichloroethane		<5.00	5.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
1,1-Dichloroethane		<5.02	5.02	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
1,1-Dichloroethene		<4.99	4.99	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
1,2,4-Trichlorobenzene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1,2,4-Trimethylbenzene		<5.01	5.01	2.09	1.00	2.18	1.00	8.79	1.00	2.3	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	1.35	1.00		
1,2-Dibromoethane		<5.00	5.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
1,2-Dichlorobenzene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1,2-Dichloroethane		<5.02	5.02	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
1,2-Dichloropropane		<4.99	4.99	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
1,2-Dichlorotetrafluoroethane		<5.00	5.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
1,3,5-Trimethylbenzene		<5.01	5.01	<1.00	1.00	<1.00	1.00	3.02	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
1,3-Butadiene		<5.00	5.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
1,3-Dichlorobenzene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1,4-Dichlorobenzene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1,4-Dioxane		<5.01	5.01	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
2-Hexanone		<4.99	4.99	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
4-Ethyltoluene		<5.01	5.01	1.34	1.00	1.5	1.00	8.01	1.00	1.69	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
4-Isopropyltoluene		<5.00	5.00	<1.00	1.00	1.44	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
4-Methyl-2-pentanone		<4.99	4.99	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
Acetone		24.5	5.01	27.3	1.00	12.7	5.01	245	9.99	179	5.01	9.8	1.00	8.69	1.00	9.95	1.00	9.88	1.00	12.7	1.00	12.7	1.00	12.7	1.00	12.7	1.00	12.7	1.00		
Acrylonitrile		<5.01	5.01	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
Benzene		<5.01	5.01	1.04	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
Benzyl Chloride		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Bromodichloromethane		<5.00	5.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
Bromoforn		<5.00	5.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
Bromomethane		<5.01	5.01	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
Carbon Disulfide		6.75	5.01	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	6.69	1.00	5.32	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
Carbon Tetrachloride	5	<1.24	1.24	0.55	0.25	0.53	0.25	0.45	0.25	0.41	0.25	<0.25	0.25	<0.25	0.25	0.55	0.25	<0.25	0.25	<0.25	0.25	<0.25	0.25	<0.25	0.25	<0.25	0.25	<0.25	0.25		
Chlorobenzene		<5.01	5.01	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
Chloroethane		<5.01	5.01	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
Chloroform		<4.98	4.98	1.49	1.00	1.77	1.00	1.63	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	1.81	1.00	1.84	1.00	1.17	1.00	1.17	1.00	1.17	1.00	1.17	1.00		
Chloromethane		<4.99	4.99	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	1.2	1.00	1.32	1.00	1.31	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
cis-1,2-Dichloroethane		11.2	4.99	7.77	1.00	10.5	1.00	4.68	1.00	3.03	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	14.9	1.00	6.97	1.00	3.88	1.00	3.88	1.00	3.88	1.00	3.88	1.00		
cis-1,3-Dichloropropene		<4.99	4.99	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
Cyclohexane		<4.99	4.99	<1.00	1.00	<1.00	1.00	7.19	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
Dibromochloromethane		<5.00	5.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00	<1.00	1.00		
Dichlorodifluoromethane		<4.99	4.99	<1.00	1.00	<1.00	1.00	2.22	1.00	2.01	1.00	3.28	1.00	3.52	1.00	2.64	1.00	<1.00	1.00	<1.00	1.00	1.98	1.00	2.23	1.00	2.23	1.00	2.23	1.00		
Ethanol		190	5.01	188	1.00																										

FIGURES



40°51.000' N
40°50.000' N
40°49.000' N
40°48.000' N



USGS Central Park Quadrangle 1995, Contour Interval = 10 feet

EBC

Environmental Business Consultants

Phone 631.504.6000
Fax 631.924.2870

1120 Westchester Avenue, Bronx NY

FIGURE 1 Site Location Map

WESTCHESTER AVENUE

Lot 10
Mixed-Use
2-Story

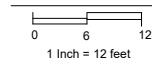
Lot 11

Lot 12
Mixed-Use
2-Story

Dry Cleaning
Machine Pad

Boiler Room

SCALE:



KEY:

- - - Property Boundary
- Existing Building



ENVIRONMENTAL BUSINESS CONSULTANTS

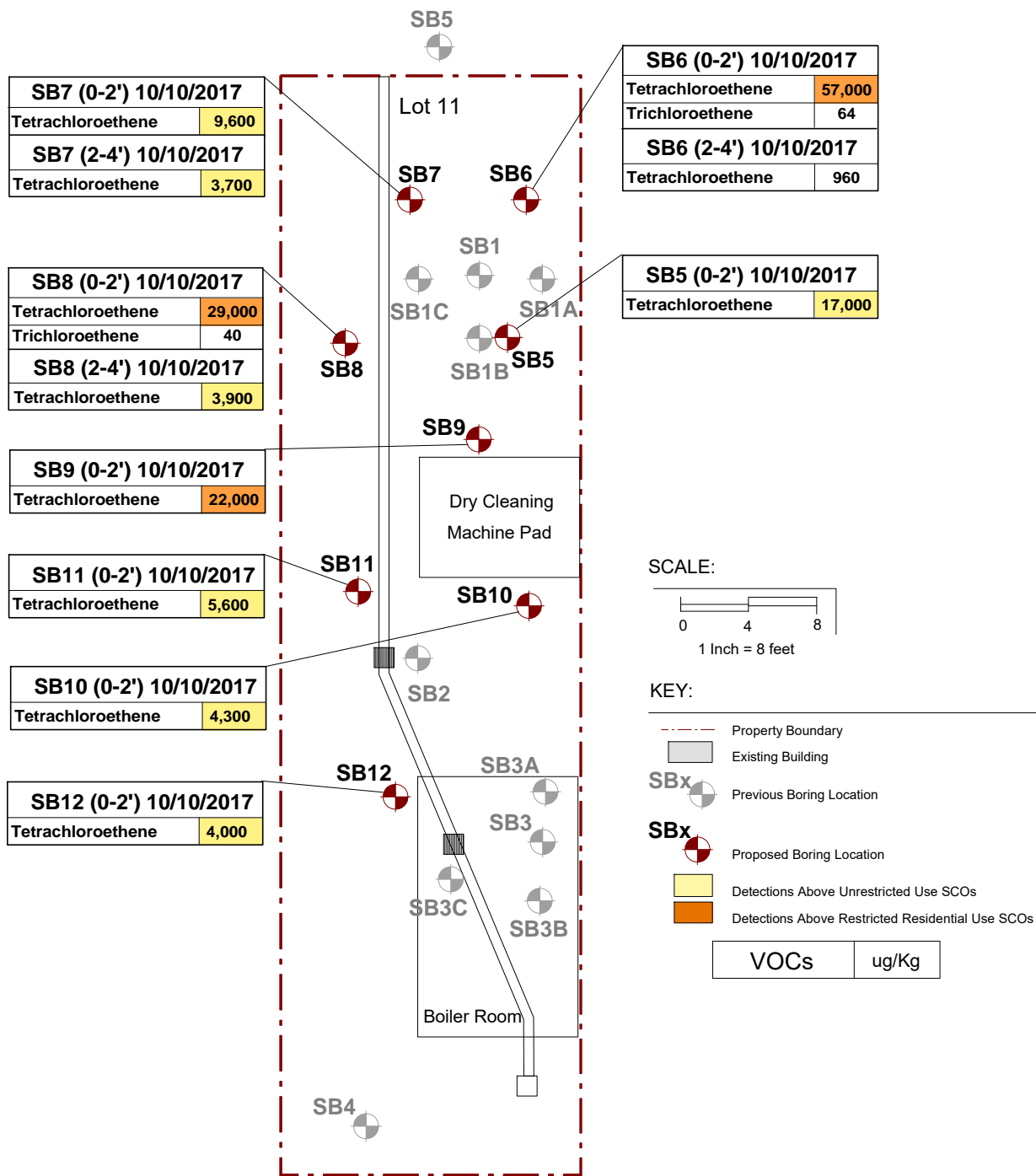
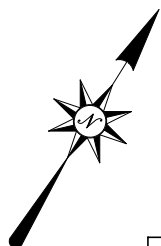
Phone 631.504.6000
Fax 631.924.2870

FIGURE
2

SITE ADDRESS: 1120 WESTCHESTER AVENUE, BRONX, NY

DRAWING TITLE: SITE PLAN

WESTCHESTER AVENUE



WESTCHESTER AVENUE

SIDEWALK

Lot 12 OA1

Lot 11

Lot 13

OA1 - 11/8/2017

SS2 - 11/8/2017

1,2,4-Trimethylbenzene	100
1,3,5-Trimethylbenzene	30.8
4-Ethyltoluene	32.3
4-Isopropyltoluene	2.34
4-Methyl-2-pentanone	1.04
Acetone	42.7
Benzene	7.02
Carbon Disulfide	1.63
Cyclohexane	2.97
Dichlorodifluoromethane	2.25
Ethanol	101
Ethyl Acetate	1.54
Ethylbenzene	112
Heptane	13.2
Hexane	8.1
Isopropylbenzene	38.6
Xylene (m&p)	401
Methyl Ethyl Ketone	3.68
Methylene Chloride	3.3
n-Butylbenzene	6.58
Xylene (o)	130
Propylene	15.8
Tetrachloroethene	3,710
Tetrahydrofuran	2.25
Toluene	297
Trichloroethene	4.01
Trichlorofluoromethane	1.08

IA2 - 11/8/2017

Acetone	11.6
Chloromethane	1.03
Dichlorodifluoromethane	2.19
Ethanol	159
Ethyl Acetate	1.61
Ethylbenzene	2.66
Hexane	1.04
Isopropylalcohol	7.42
Xylene (m&p)	13.6
Methyl Ethyl Ketone	1.48
Xylene (o)	4.05
Tetrachloroethene	1.07
Toluene	4.18
Trichlorofluoromethane	1.17

No Cellar

SS1 - 11/8/2017

1,2,4-Trimethylbenzene	88.4
1,3,5-Trimethylbenzene	26.2
4-Ethyltoluene	28.2
4-Isopropyltoluene	1.85
Acetone	46.8
Benzene	12.5
Carbon Disulfide	1.82
Cyclohexane	3.89
Dichlorodifluoromethane	2.28
Ethanol	94.3
Ethyl Acetate	1.22
Ethylbenzene	90.7
Heptane	16.8
Hexane	13.6
Isopropylalcohol	1.17
Isopropylbenzene	19.1
Xylene (m&p)	326
Methyl Ethyl Ketone	4.24
Methylene Chloride	3.54
n-Butylbenzene	5.71
Xylene (o)	96.3
Propylene	55.9
Tetrachloroethene	3,040
Tetrahydrofuran	1.42
Toluene	339
Trichloroethene	3.37
Trichlorofluoromethane	1.26

IA1 - 11/8/2017

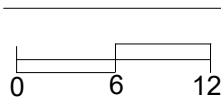
1,2,4-Trimethylbenzene	1.16
Acetone	9.71
Dichlorodifluoromethane	2.25
Ethanol	44.6
Hexane	1.04
Isopropylbenzene	5.63
Xylene (m&p)	2.83
Methyl Ethyl Ketone	2.21
Xylene (o)	1.11
Tetrachloroethene	6.85
Tetrahydrofuran	3.3
Toluene	2.5
Trichlorofluoromethane	1.3

1,2,4-Trimethylbenzene	38.5
1,3,5-Trimethylbenzene	10.8
4-Ethyltoluene	21.9
Acetone	42.3
Benzene	16.1
Chloromethane	1.07
Cyclohexane	1.99
Dichlorodifluoromethane	2.28
Ethanol	60.4
Ethylbenzene	98.5
Heptane	20
Hexane	19.4
Isopropylalcohol	2.04
Isopropylbenzene	8.79
Xylene (m&p)	423
Methyl Ethyl Ketone	1.14
Methylene Chloride	4.65
n-Butylbenzene	2.5
Xylene (o)	74.6
Tetrachloroethene	6.76
Toluene	606
Trichlorofluoromethane	1.3

KEY:

- Property Boundary
- Existing Building
- Subslab Vapor Sampling Location
- Outdoor Air Sampling Location
- Indoor Air Sampling Location

SCALE:



Scale: 1 inch = 12 feet



Phone 631.504.6000
Fax 631.924.2870

Figure No.
4

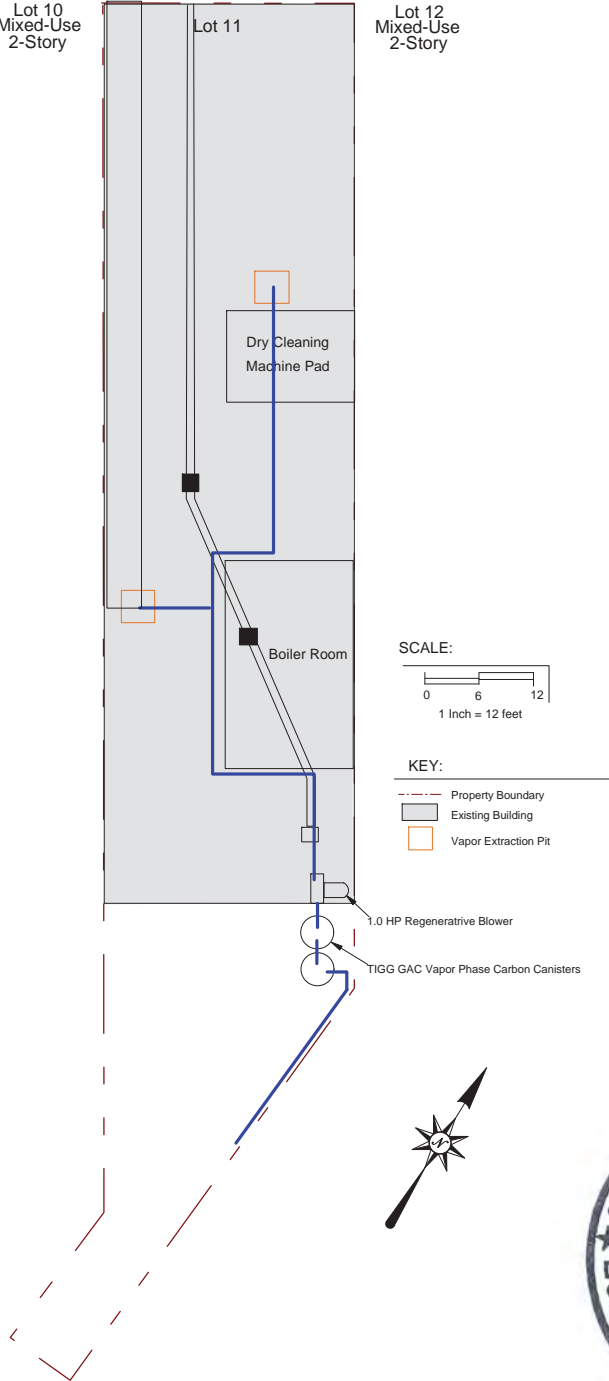
SITE NAME: 1120 Westchester Ave.
SITE ADDRESS: 1120 Westchester Avenue, Bronx, NY
DRAWING TITLE: SVI Sample Results for 1122 Westchester Avenue - November 2017

WESTCHESTER AVENUE

Lot 10
Mixed-Use
2-Story

Lot 11

Lot 12
Mixed-Use
2-Story



SCALE:
0 6 12
1 Inch = 12 feet

KEY:
- - - Property Boundary
Existing Building
Vapor Extraction Pit

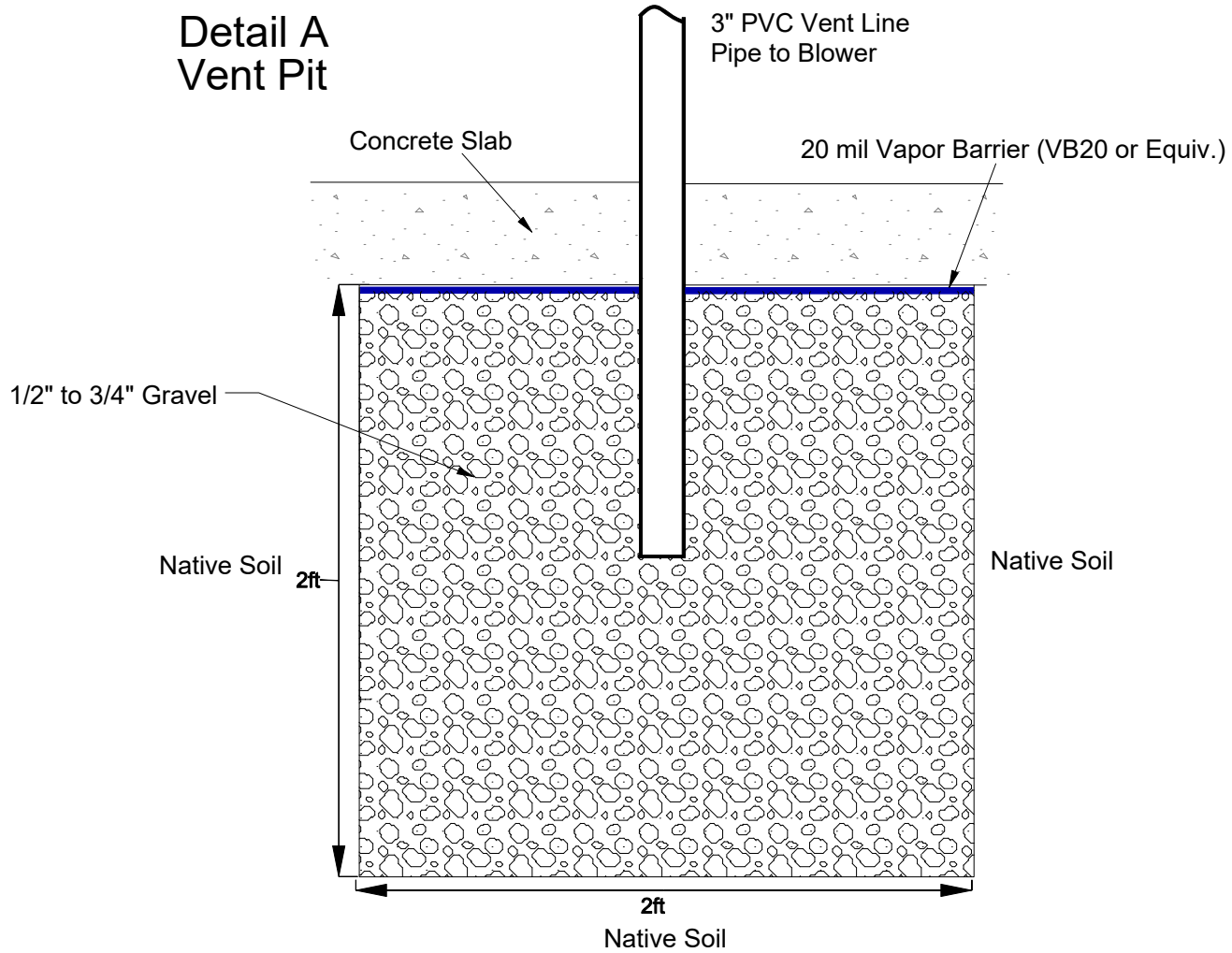


AMC Engineering, PLLC
18-36 42nd Street
Astoria, NY 11105

FIGURE
5

SITE ADDRESS: 1120 WESTCHESTER AVENUE, BRONX, NY
DRAWING TITLE: SVE LAYOUT AS BUILT
Date: 12/19/2019

Detail A Vent Pit



VAPOR EXTRACTION PIT CONSTRUCTION DETAIL

N.T.S.



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

Figure No.

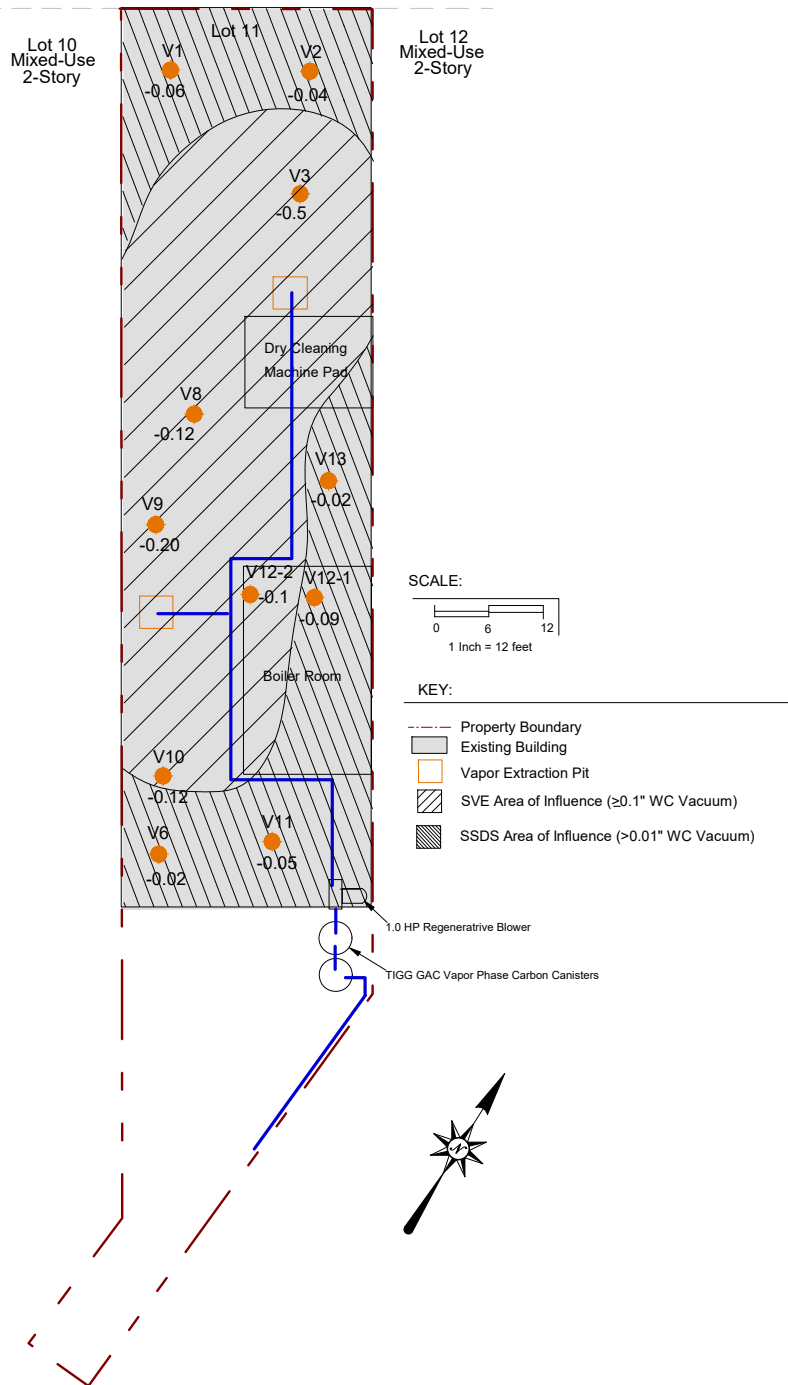
6

Site Name: **1 1 20 WESTCHESTER AVE**

Site Address: **1 1 20 WESTCHESTER AVENUE, BRONX, NY**

Drawing Title: **SVE SYSTEM EXTRACTION PIT DETAIL**

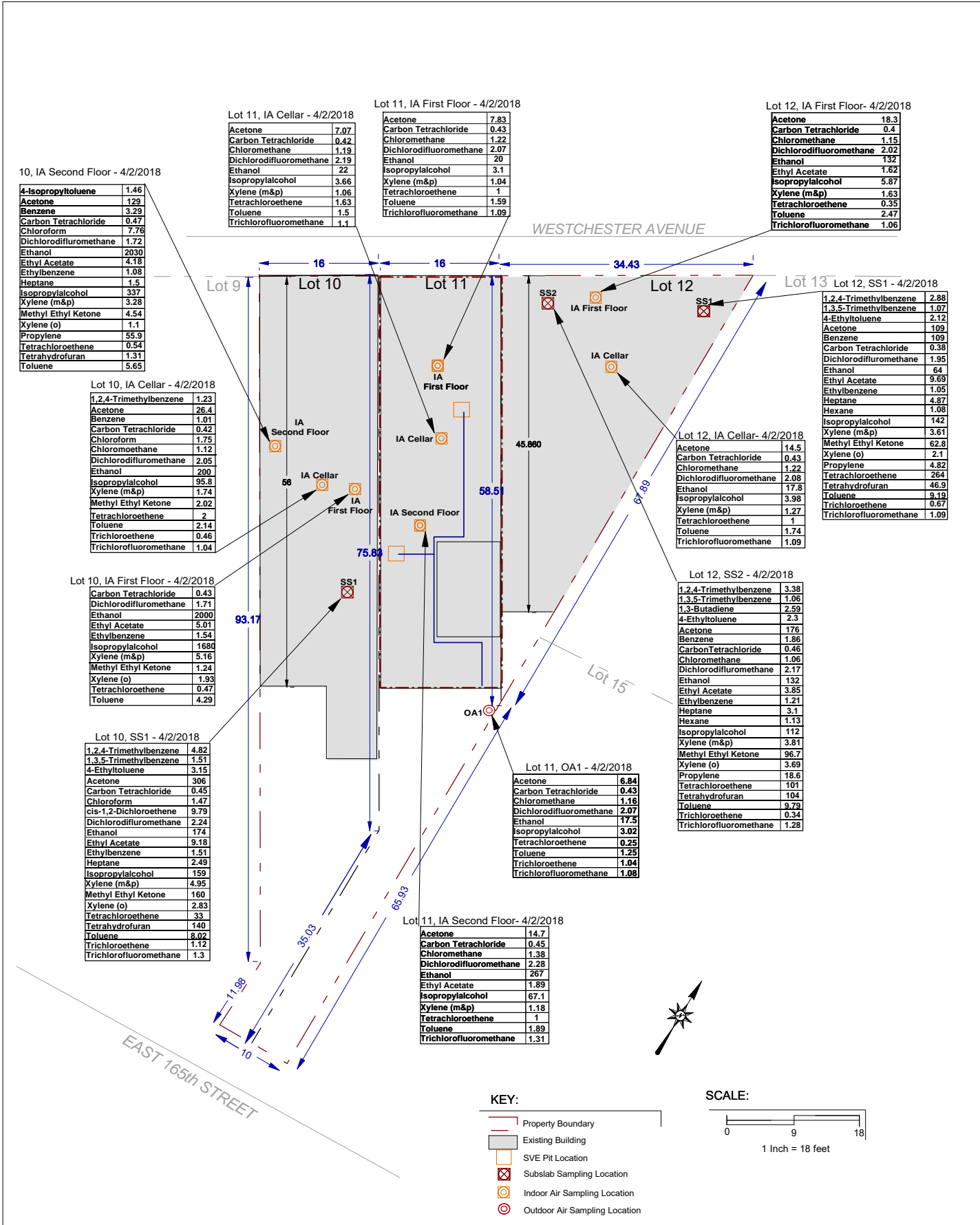
WESTCHESTER AVENUE



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

FIGURE
7

SITE NAME:	1 1 20 WESTCHESTER AVENUE
SITE ADDRESS:	1 1 20 WESTCHESTER AVENUE, BRONX, NY
DRAWING TITLE:	SUBSLAB VACUUM READINGS (SVE DN) - JAN. 2018



10, IA Second Floor - 4/2/2018

4-Isopropyltoluene	1.46
Acetone	129
Benzene	3.29
Carbon Tetrachloride	0.47
Chloroform	7.76
Dichlorodifluoromethane	1.72
Ethanol	2030
Ethyl Acetate	4.18
Ethylbenzene	1.08
Heptane	1.5
Isopropylalcohol	337
Xylene (m&p)	3.28
Methyl Ethyl Ketone	4.54
Xylene (o)	1.1
Propylene	55.9
Tetrachloroethene	0.54
Tetrahydrofuran	1.31
Toluene	5.65

Lot 11, IA Cellar - 4/2/2018

Acetone	7.07
Carbon Tetrachloride	0.42
Chloromethane	1.19
Dichlorodifluoromethane	2.19
Ethanol	22
Isopropylalcohol	3.66
Xylene (m&p)	1.06
Tetrachloroethene	1.63
Toluene	1.5
Trichlorofluoromethane	1.1

Lot 11, IA First Floor - 4/2/2018

Acetone	7.83
Carbon Tetrachloride	0.43
Chloromethane	1.22
Dichlorodifluoromethane	2.07
Ethanol	20
Isopropylalcohol	3.1
Xylene (m&p)	1.04
Tetrachloroethene	1
Toluene	1.59
Trichlorofluoromethane	1.09

Lot 12, IA First Floor - 4/2/2018

Acetone	18.3
Carbon Tetrachloride	0.4
Chloromethane	1.15
Dichlorodifluoromethane	2.02
Ethanol	132
Ethyl Acetate	1.62
Isopropylalcohol	5.87
Xylene (m&p)	1.63
Tetrachloroethene	0.35
Toluene	2.47
Trichlorofluoromethane	1.06

Lot 10, IA Cellar - 4/2/2018

1,2,4-Trimethylbenzene	1.23
Acetone	26.4
Benzene	1.01
Carbon Tetrachloride	0.42
Chloroform	1.75
Chloromethane	1.12
Dichlorodifluoromethane	2.05
Ethanol	200
Isopropylalcohol	95.8
Xylene (m&p)	1.74
Methyl Ethyl Ketone	2.02
Tetrachloroethene	2
Toluene	2.14
Trichloroethene	0.46
Trichlorofluoromethane	1.04

Lot 10, IA First Floor - 4/2/2018

Carbon Tetrachloride	0.43
Dichlorodifluoromethane	1.71
Ethanol	2000
Ethyl Acetate	5.01
Ethylbenzene	1.54
Isopropylalcohol	1680
Xylene (m&p)	5.16
Methyl Ethyl Ketone	1.24
Xylene (o)	1.33
Tetrachloroethene	0.47
Toluene	4.29

Lot 10, SS1 - 4/2/2018

1,2,4-Trimethylbenzene	4.82
1,3,5-Trimethylbenzene	1.51
4-Ethyltoluene	3.15
Acetone	306
Carbon Tetrachloride	0.45
Chloroform	1.47
cis-1,2-Dichloroethene	9.79
Dichlorodifluoromethane	2.24
Ethanol	174
Ethyl Acetate	9.18
Ethylbenzene	1.51
Heptane	2.49
Isopropylalcohol	159
Xylene (m&p)	4.95
Methyl Ethyl Ketone	160
Xylene (o)	2.83
Tetrachloroethene	33
Tetrahydrofuran	140
Toluene	8.02
Trichloroethene	1.12
Trichlorofluoromethane	1.3

Lot 11, IA Second Floor - 4/2/2018

Acetone	14.7
Carbon Tetrachloride	0.45
Chloromethane	1.38
Dichlorodifluoromethane	2.28
Ethanol	267
Ethyl Acetate	1.89
Isopropylalcohol	67.1
Xylene (m&p)	1.18
Tetrachloroethene	1
Toluene	1.89
Trichlorofluoromethane	1.31

Lot 11, OA1 - 4/2/2018

Acetone	6.84
Carbon Tetrachloride	0.43
Chloromethane	1.16
Dichlorodifluoromethane	2.07
Ethanol	17.5
Isopropylalcohol	3.02
Tetrachloroethene	0.25
Toluene	1.25
Trichloroethene	1.04
Trichlorofluoromethane	1.08

Lot 12, IA Cellar - 4/2/2018

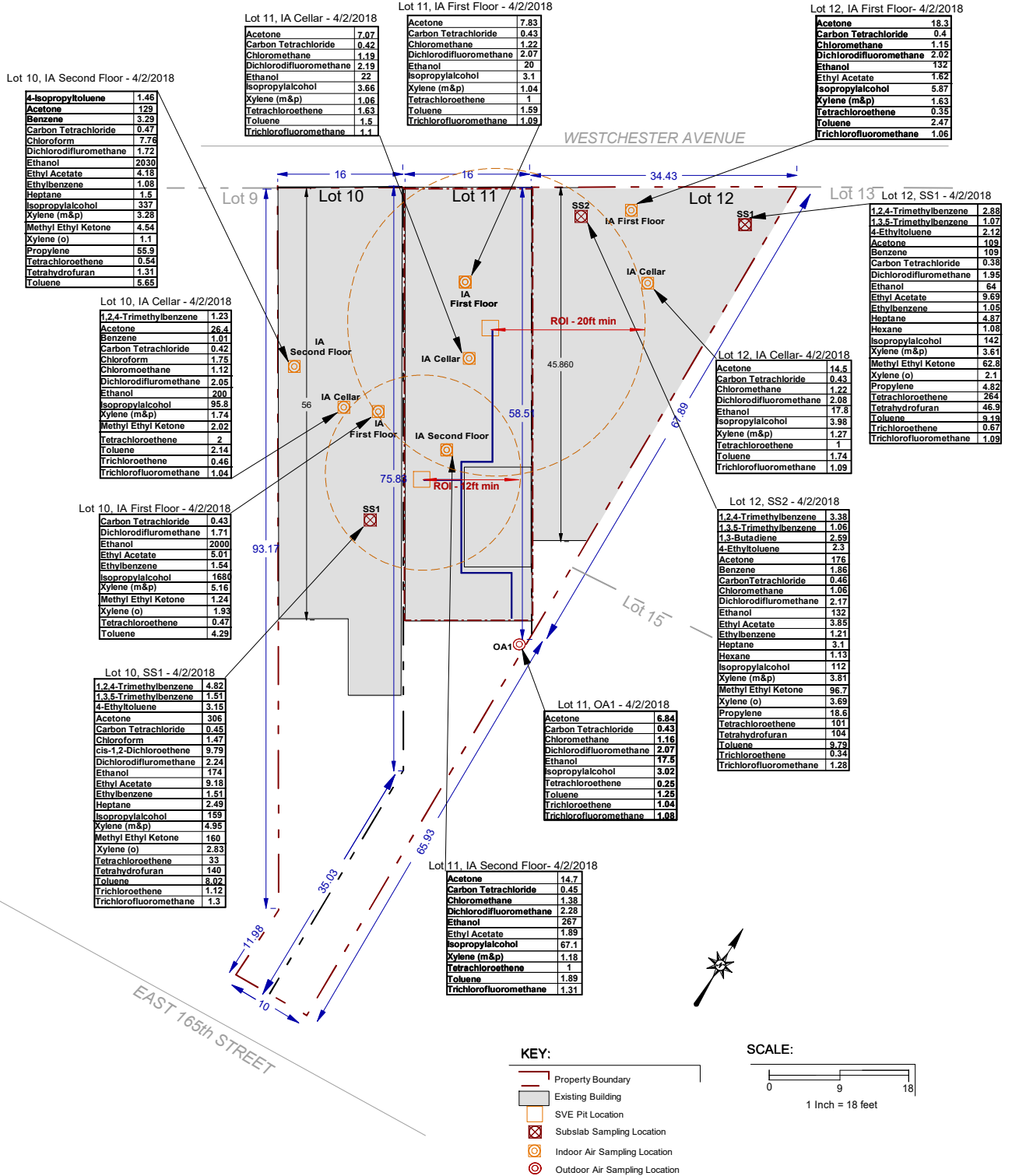
Acetone	14.5
Carbon Tetrachloride	0.43
Chloromethane	1.22
Dichlorodifluoromethane	2.08
Ethanol	17.8
Isopropylalcohol	3.98
Xylene (m&p)	1.27
Tetrachloroethene	1
Toluene	1.74
Trichlorofluoromethane	1.09

Lot 12, SS2 - 4/2/2018

1,2,4-Trimethylbenzene	3.38
1,3,5-Trimethylbenzene	1.06
1,3-Butadiene	2.59
4-Ethyltoluene	2.3
Acetone	176
Benzene	1.86
Carbon Tetrachloride	0.46
Chloromethane	1.06
Dichlorodifluoromethane	2.17
Ethanol	132
Ethyl Acetate	3.85
Ethylbenzene	1.21
Heptane	3.1
Hexane	1.13
Isopropylalcohol	112
Xylene (m&p)	3.81
Methyl Ethyl Ketone	96.7
Xylene (o)	3.69
Propylene	18.6
Tetrachloroethene	101
Tetrahydrofuran	104
Toluene	9.79
Trichloroethene	0.34
Trichlorofluoromethane	1.28

Lot 12, SS1 - 4/2/2018

1,2,4-Trimethylbenzene	2.88
1,3,5-Trimethylbenzene	1.07
4-Ethyltoluene	2.12
Acetone	109
Benzene	109
Carbon Tetrachloride	0.38
Dichlorodifluoromethane	1.95
Ethanol	64
Ethyl Acetate	9.69
Ethylbenzene	1.05
Heptane	4.87
Hexane	1.08
Isopropylalcohol	142
Xylene (m&p)	3.61
Methyl Ethyl Ketone	62.8
Xylene (o)	2.1
Propylene	4.82
Tetrachloroethene	284
Tetrahydrofuran	46.9
Toluene	9.19
Trichloroethene	0.57
Trichlorofluoromethane	1.99



APPENDIX A
Digital Copy of CCR

APPENDIX B
Metes and Bounds



Schedule A Description

Title Number CAB-STW-13009

Page 1

ALL that certain plot, piece or parcel of land, situate, lying and being in the Borough and County of the Bronx, City and State of New York, bounded and described as follows:

BEGINNING at a point on the Southeasterly side of Westchester Avenue; distant 158.42 feet Northeasterly from the corner formed by the intersection of the said Southeasterly side of Westchester Avenue with the Easterly side of Hoe Avenue;

RUNNING THENCE Northeasterly along Westchester Avenue, 16 feet;

THENCE Southeasterly at right angles to the said Southeasterly side of Westchester Avenue and through a party wall, 58.51 feet;

THENCE Southerly parallel with the Westerly side of Faile Street and through another party wall, 58.08 feet to the Northerly side of East 165th Street;

THENCE Westerly along the said Northerly side of East 165th Street, 5 feet;

THENCE Northerly, again parallel with the said Westerly side of Faile Street, 35.03 feet;

THENCE Northwesterly at right angles to the Southeasterly side of Westchester Avenue and for part of the distance through a party wall, 75.83 feet to the Southeasterly side of Westchester Avenue, the point or place of BEGINNING.

FOR INFORMATION ONLY;

PREMISES known as 1120 Westchester Avenue, Bronx, New York

APPENDIX C
Photographs

1120 Westchester Avenue
1120 Westchester Avenue, Bronx, NY 10459
Site Number: 203083
Index of Photographs

Building Interior

BI1 View of the front of the cellar.
BI2 View of the middle to rear of the cellar.

SVE Layout and Install

SVE1 View of the soil vapor extraction pit with vapor barrier and riser pipe.
SVE2 View of the piping exiting the building into the carbon drums.
SVE3 View of the carbon drums installed in series.
SVE4 View of the carbon drums with exhaust pipe.
SVE5 View of the SVE blower installed in the cellar.

Vacuum Readings

VR1 View of vacuum reading in front of the cellar.
VR2 View of vacuum reading in front of cellar.
VR3 View of vacuum reading in middle of the cellar.





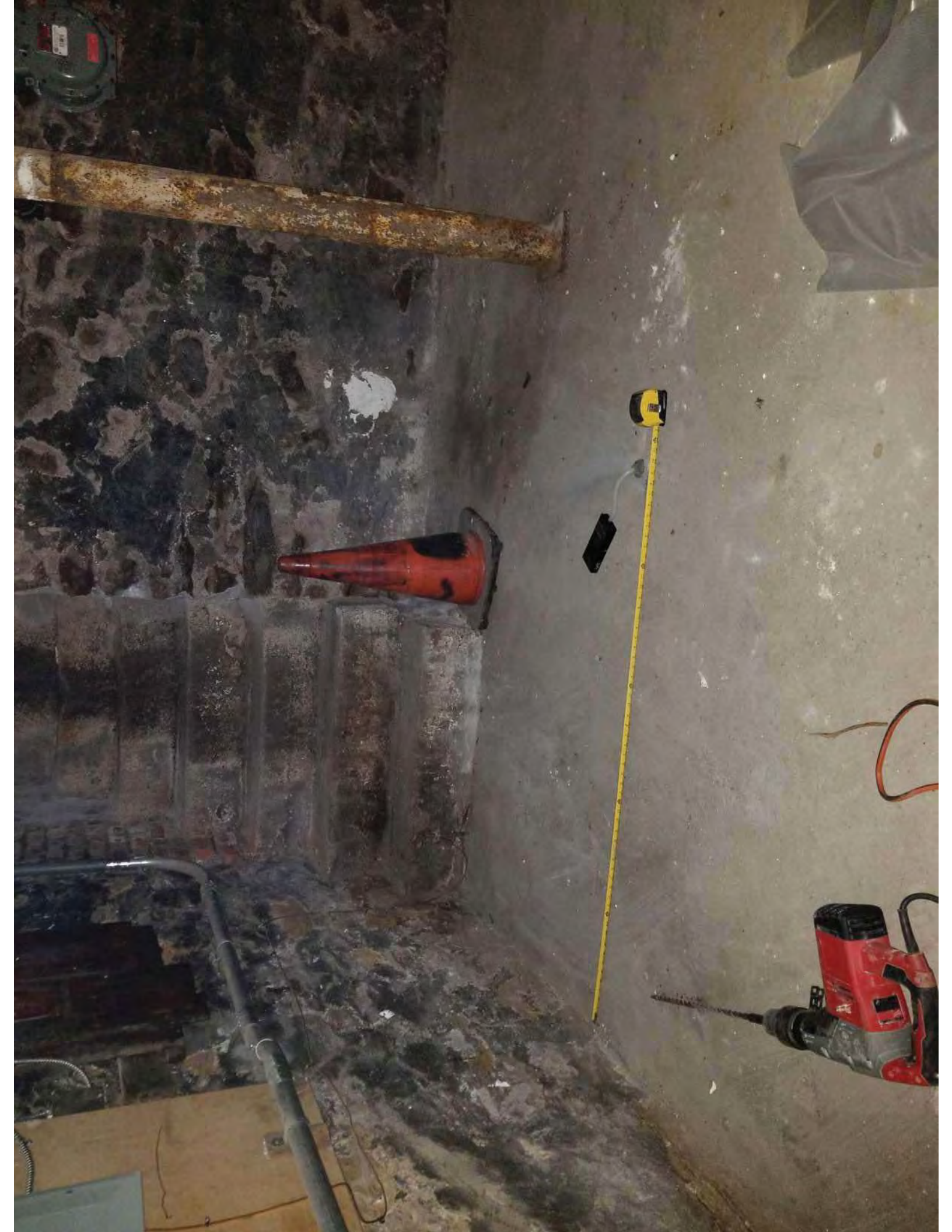


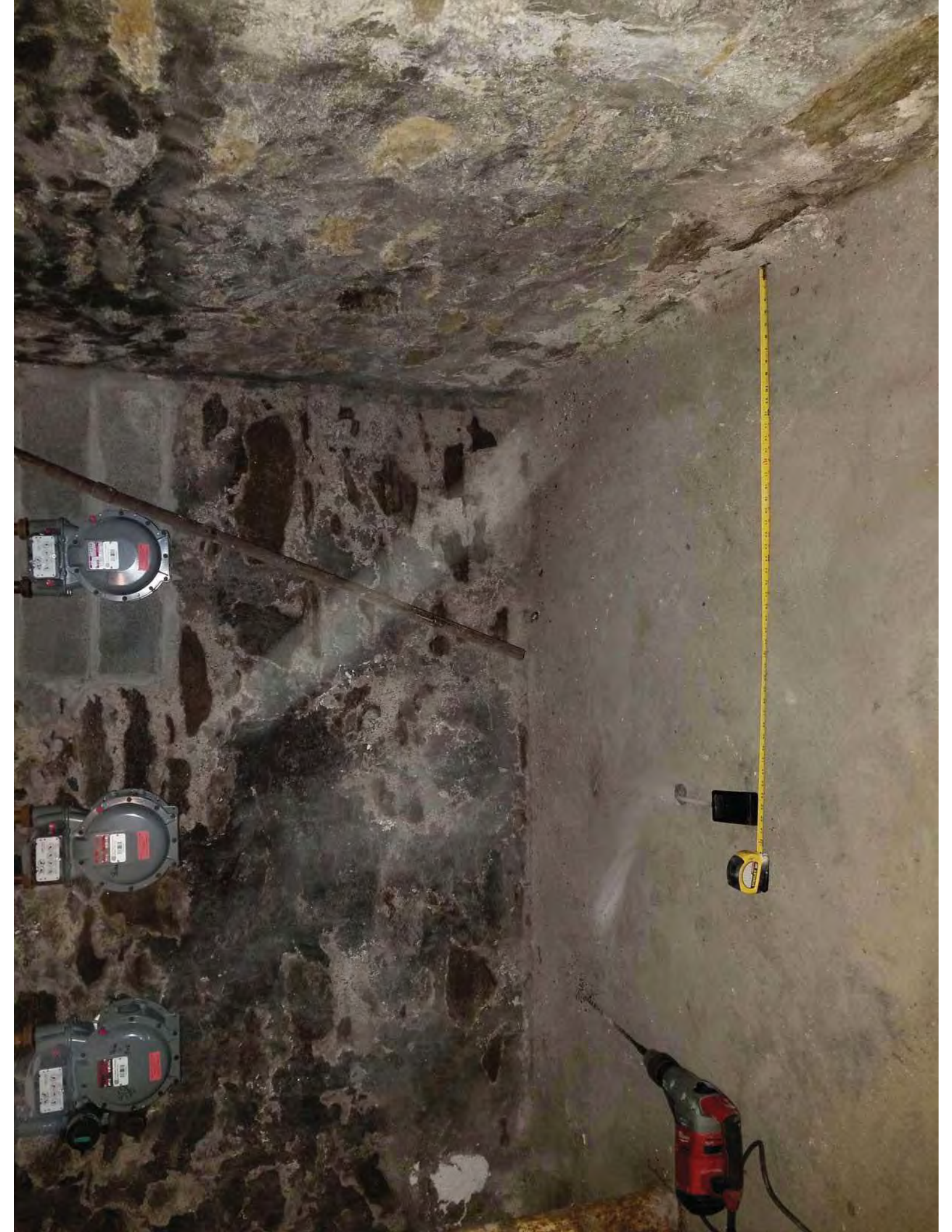














APPENDIX D
Daily Status Reports



DAILY ACTIVITY REPORT

1120 Westchester Ave.

SITE ADDRESS: 1120 Westchest Avenue, Bronx, 10459

DATE: October 10th, 2017

Site NUMBER: 203083

CONSULTANT	MANPOWER	EQUIPMENT
Environmental Business Consultants	Tony Balado	(1) PID
	James Balado	(1) Dust Meter
		(1) AMS Fleighted Auger Kit

DESCRIPTION OF DAILY ACTIVITY

EBC hand drilled 8 soil borings in the cellar and collected samples from 0-2' and 2-4' intervals.

Soil was screened with a PID prior to sampling and tested for VOCs only.

EBC conducted air monitoring for VOCs and particulate matter in the workzone, outside of the building, and on the first floor.

WEATHER	WIND & DIRECTION	AM	TEMP	AM	SKY	PM
	<u>N@2</u>		65		Sunny	AM
	<u>NE@2</u>		72		Sunny	PM

AIR MONITORING

ONSITE CAMP STATIONS	No	UPWIND	No	DOWNWIND
CORRECTIVE ACTION REQUIRED	No	ODOR	No	ODOR
	No	PID ACTION LIMIT	No	PID ACTION LIMIT
	No	PM ACTION LIMIT	No	PM ACTION LIMIT
MAXIMUM AND MINIMUM PARTICULATE DETECTIONS (ug/m ³)	-	MAX UP WIND	-	MIN UP WIND
	-	MAX DOWN WIND	-	MIN DOWN WIND

Additional Comments

None

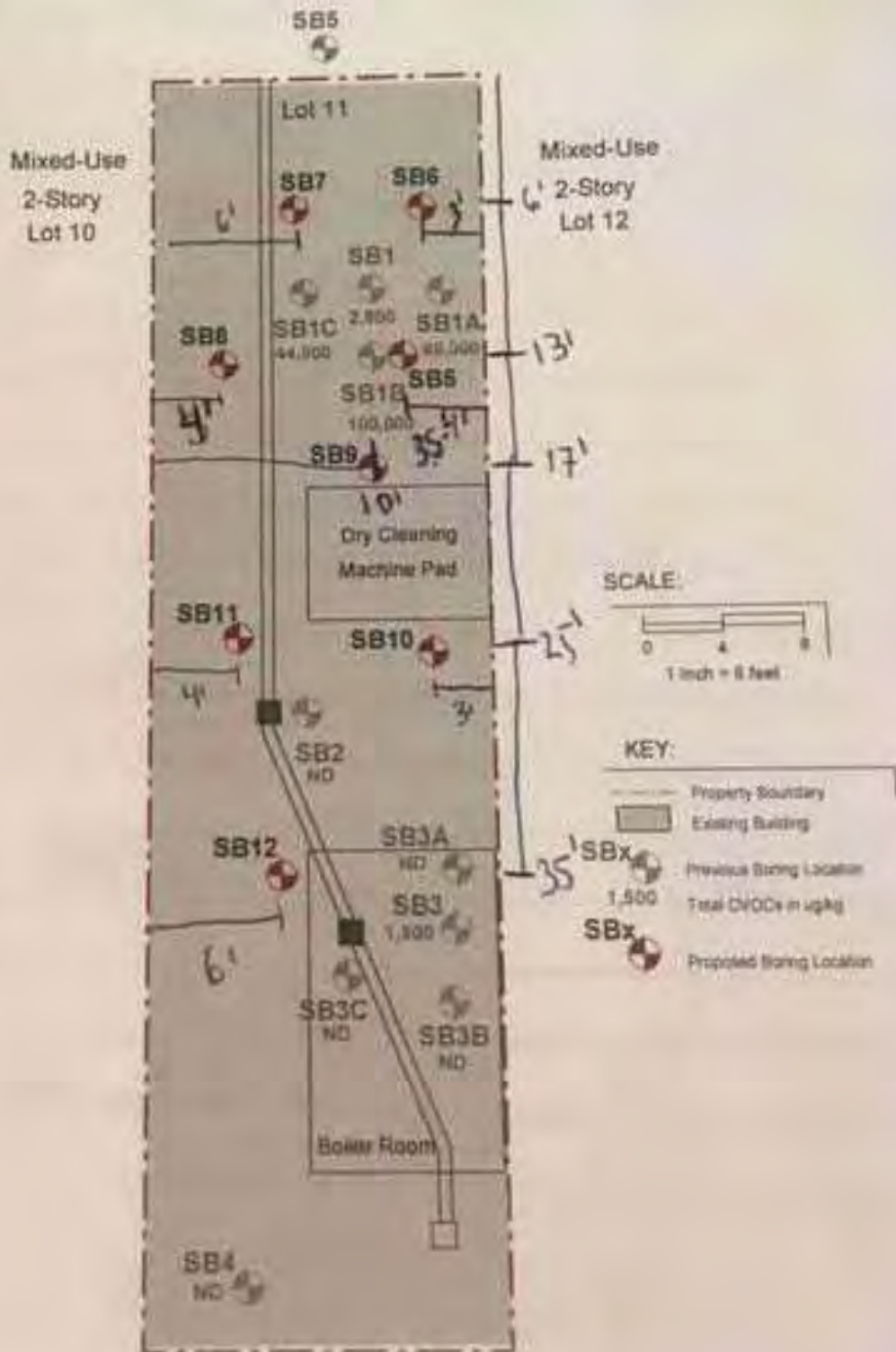
MATERIALS TRANSPORTED OFFSITE AND DELIVERED TO SITE

None

PLAN FOR NEXT DAY

SVE installation

WESTCHESTER AVENUE





Front of Site



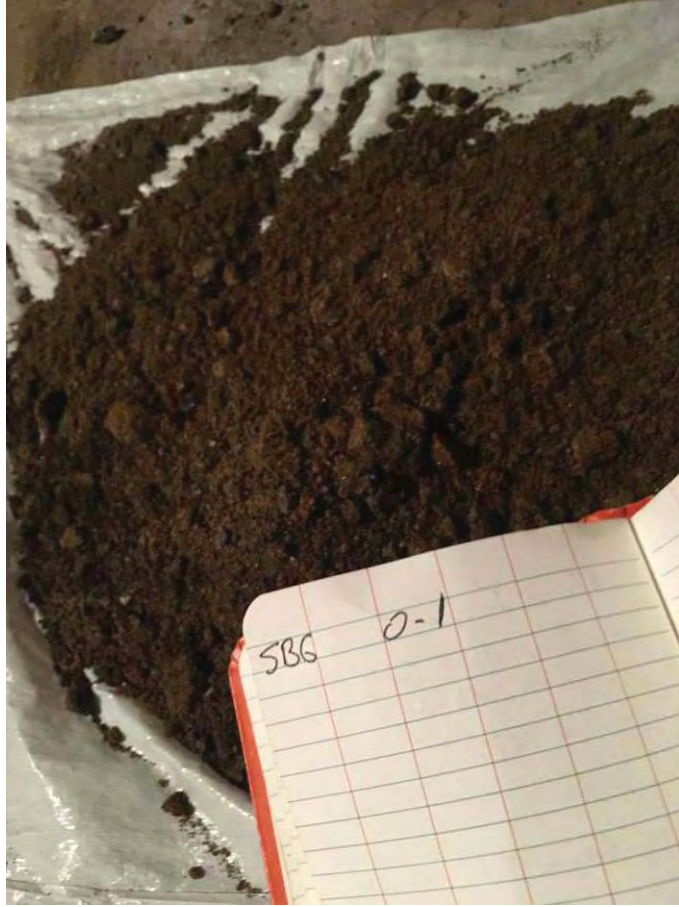
View of cellar



Additional view of cellar



Using slap-hammer to take sample from soil boring



Close-up view of soil quality



View of cellar at end of day, soil borings patched up with concrete

Daily Air Monitoring Log

Project Name: 1120 Westchester Ave Date: 10-10-17

Project Location: _____ BCP No: _____

Temperature: 65° Wind Speed: 3 Wind Direction: N
72° 2 NE

Background Data: Outside - PID 0.0 ppm Dust Meter 1 0.034 mg/m³

First Floor - PID 0.0 ppm Dust Meter 2 0.051 mg/m³

Time	Work Zone		Outside		First Floor	
	PID - ppm	Dust - mg/m ³	PID - ppm	Dust - mg/m ³	PID - ppm	Dust - mg/m ³
6:30	0.0	0.077	0.0	0.032	0.0	0.054
6:45	0.0	0.091	0.0	0.031	0.0	0.055
7:00	0.0	0.101	0.0	0.030	0.0	0.056
7:15	0.1	0.167	0.0	0.031	0.0	0.051
7:30	0.1	0.143	0.0	0.033	0.0	0.080
7:45	0.1	0.123	0.0	0.032	0.0	0.062
8:00	0.1	0.111	0.0	0.036	0.0	0.058
8:15	0.4	0.180	0.0	0.042	0.0	0.055
8:30	0.4	0.150	0.0	0.071	0.0	0.061
8:45	0.1	0.060	0.0	0.031	0.0	0.067
9:00	0.2	0.069	0.0	0.030	0.0	0.059
9:15	0.1	0.078	0.0	0.031	0.0	0.055
9:30	0.1	0.111	0.0	0.029	0.0	0.063
9:45	0.2	0.137	0.0	0.033	0.0	0.061
10:00	0.1	0.160	0.0	0.034	0.0	0.058
10:15	0.1	0.140	0.0	0.031	0.0	0.054
10:30	0.3	0.167	0.0	0.032	0.0	0.061
10:45	0.2	0.131	0.0	0.033	0.0	0.066
11:00	0.3	0.100	0.0	0.031	0.0	0.061
11:15	0.2	0.119	0.0	0.029	0.0	0.073
11:30	0.2	0.120	0.0	0.034	0.0	0.061
No Drilling Activities						
12:00	0.1	0.090	0.0	0.036	0.0	0.062
12:15	0.1	0.099	0.0	0.031	0.0	0.061
12:30	0.2	0.111	0.0	0.032	0.0	0.073
12:45	0.2	0.139	0.0	0.031	0.0	0.090
1:00	0.1	0.142	0.0	0.033	0.0	0.061
1:15	0.2	0.157	0.0	0.034	0.0	0.067
1:30	0.1	0.099	0.0	0.031	0.0	0.054
1:45	0.2	0.096	0.0	0.032	0.0	0.055
2:00	0.2	0.095	0.0	0.034	0.0	0.059
2:15	0.1	0.076	0.0	0.031	0.0	0.061

Activities Performed: Hand Drilling 8 Soil Borings down to 3/4 feet



DAILY ACTIVITY REPORT

1120 Westchester Ave.

SITE ADDRESS: 1120 Westchest Avenue, Bronx, 10459

DATE: October 11th, 2017

Site NUMBER: 203083

CONSULTANT	MANPOWER	EQUIPMENT
Environmental Business Consultants	Tony Balado	(1) PID (1) Dust Meter

DESCRIPTION OF DAILY ACTIVITY

Air monitoring in the cellar, outside, and first floor
 SVE install oversight
 Use poly to cover pit at end of day so vapors would not escape

CONTRACTOR	MANPOWER	EQUIPMENT
C2 Environmental Drillers	James Balado Lu Vidial	(1) Hand Drill/Chipper (2) Shovels

DESCRIPTION OF DAILY ACTIVITY

Used chipper to break away cellar slab and dug out a 2'x2'x2' pit by the dry cleaning machine pad
 Soil was disposed of in a drum. Excess soil was stockpiles on poly and covered
 Cut PVC pipe to prepare for SVE install on 10-12-17

WEATHER	WIND & DIRECTION	AM	TEMP	AM	SKY	AM
	NE@1	PM	72	PM	Sunny	PM

AIR MONITORING

ONSITE CAMP STATIONS	No	UPWIND	No	DOWNWIND
CORRECTIVE ACTION REQUIRED	No	ODOR	No	ODOR
	No	PID ACTION LIMIT	No	PID ACTION LIMIT
	No	PM ACTION LIMIT	No	PM ACTION LIMIT
MAXIMUM AND MINIMUM PARTICULATE DETECTIONS (ug/m ³)	-	MAX UP WIND	-	MIN UP WIND
	-	MAX DOWN WIND	-	MIN DOWN WIND

Additional Comments

None

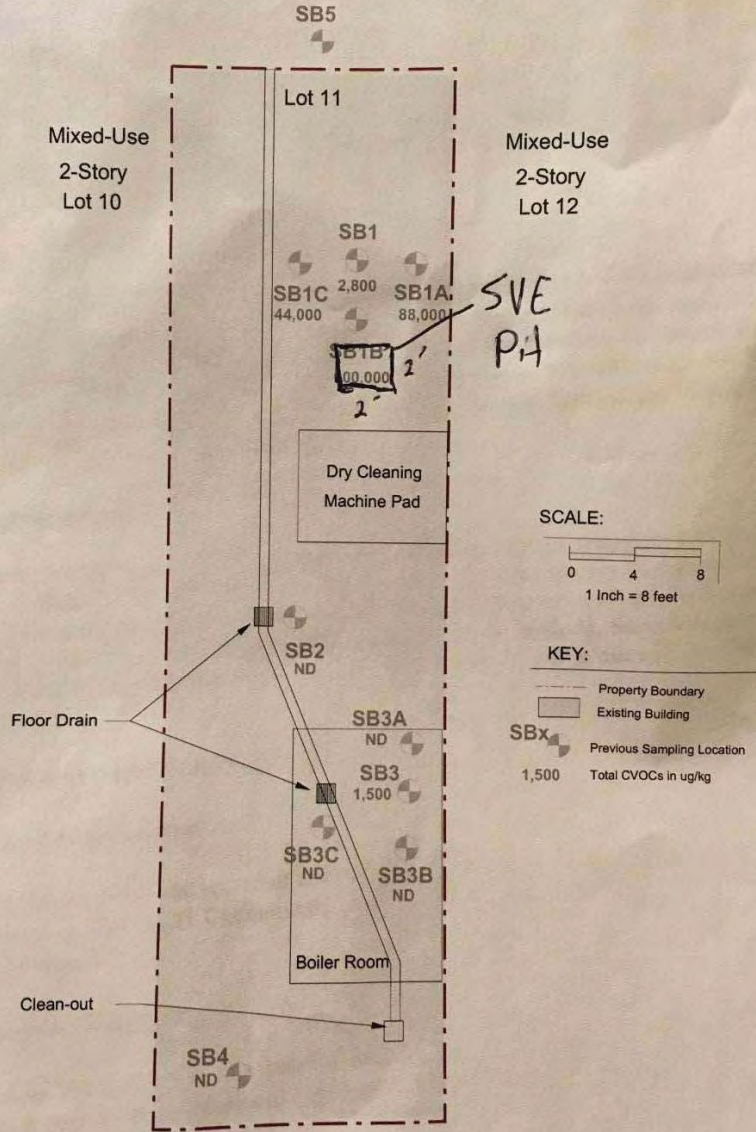
MATERIALS TRANSPORTED OFFSITE AND DELIVERED TO SITE

None

PLAN FOR NEXT DAY

SVE installation

WESTCHESTER AVENUE





Front of Site



Dimensions of SVE pit (2')



Depth of SVE pit. (2')



View of cellar at end of day. Pit and soil stockpile covered.



Additional view of cellar at end of day. PVC cut and fitted for hanging on 10-12-17

Daily Air Monitoring Log

Project Name: 1120 Westchester Ave Date: 10-11-17
 Project Location: _____ BCP No: _____
 Temperature: 72° Wind Speed: 1 Wind Direction: NE
 Background Data: Outside - PID 0.0 ppm Dust Meter 1 - 0.040 mg/m³
 First Floor - PID 0.0 ppm Dust Meter 2 - 0.061 mg/m³

Time	Work Zone		Outside		First Floor	
	PID - ppm	Dust - mg/m ³	PID - ppm	Dust - mg/m ³	PID - ppm	Dust - mg/m ³
12:00	0.0	0.099	0.0	0.031	0.0	0.069
12:15	0.0	0.100	0.0	0.032	0.0	0.083
12:30	0.0	0.147	0.0	0.031	0.0	0.061
12:45	0.0	0.189	0.0	0.030	0.0	0.063
13:00	0.1	0.140	0.0	0.031	0.0	0.072
13:15	0.1	0.175	0.0	0.032	0.0	0.071
13:30	0.1	0.139	0.0	0.033	0.0	0.077
13:45	0.2	0.111	0.0	0.031	0.0	0.069
14:00	0.1	0.125	0.0	0.030	0.0	0.070
14:15	0.1	0.136	0.0	0.032	0.0	0.072
14:30	0.2	0.140	0.0	0.033	0.0	0.073
14:45	0.1	0.111	0.0	0.031	0.0	0.071
15:00	0.1	0.117	0.0	0.030	0.0	0.072
15:15	0.2	0.178	0.0	0.032	0.0	0.073
15:30	0.1	0.150	0.0	0.034	0.0	0.068
15:45	0.1	0.140	0.0	0.031	0.0	0.067
16:00	0.1	0.117	0.0	0.033	0.0	0.073
16:15	0.1	0.139	0.0	0.031	0.0	0.071
16:30	0.1	0.141	0.0	0.032	0.0	0.073
16:45	0.1	0.149	0.0	0.030	0.0	0.071
17:00	0.1	0.119	0.0	0.033	0.0	0.070

Activities Performed: C² dug a 2'x2'x2' pit for the SUC system. It was partially filled with gravel.



DAILY ACTIVITY REPORT

1120 Westchester Ave

SITE ADDRESS: 1120 Westchester Avenue, Bronx, 10459

DATE: October 12, 2017

Site NUMBER: 203083

CONSULTANT	MANPOWER	EQUIPMENT
Environmental Business Consultants	Kevin Waters	(1) PID (1) Dust Meter

DESCRIPTION OF DAILY ACTIVITY

SVE install oversight

CONTRACTOR	MANPOWER	EQUIPMENT
C2 Environmental Drillers	James Balado Lu Vidial	(1) Hand Drill/Chipper (2) Shovels

DESCRIPTION OF DAILY ACTIVITY

SVE Piping installed above ground.

WEATHER	WIND & DIRECTION	AM	TEMP	AM	SKY	AM
		PM		PM		PM

AIR MONITORING

ONSITE CAMP STATIONS	No	UPWIND	No	DOWNWIND
CORRECTIVE ACTION REQUIRED	No	ODOR	No	ODOR
	No	PI D ACTION LIMIT	No	PI D ACTION LIMIT
	No	PM ACTION LIMIT	No	PM ACTION LIMIT
MAXIMUM AND MINIMUM PARTICULATE DETECTIONS (ugm ³)	-	MAX UP WIND	-	MIN UP WIND
	-	MAX DOWN WIND	-	MIN DOWN WIND

Additional Comments

The SVE piping was installed above ground, hung from the sealing and walls.
The piping was run to the rear of the basement where the blower will be installed.

MATERIALS TRANSPORTED OFFSITE AND DELIVERED TO SITE

None

PLAN FOR NEXT DAY

Blower was ordered waiting on delivery.



DAILY ACTIVITY REPORT

1120 Westchester Ave

SITE ADDRESS: 1120 Westchester Avenue, Bronx, 10459

DATE: November 1, 2017

Site NUMBER: 203083

CONSULTANT	MANPOWER	EQUIPMENT
Environmental Business Consultants	Kevin Waters	(1) PID (1) Dust Meter

DESCRIPTION OF DAILY ACTIVITY

Installed the SVE piping to the blower and carbon drums

WEATHER	WIND & DIRECTION	AM	TEMP	AM	SKY	AM
		PM		PM		PM

AIR MONITORING

ONSITE CAMP STATIONS	No	UPWIND	No	DOWNWIND
CORRECTIVE ACTION REQUIRED	No	ODOR	No	ODOR
	No	PID ACTION LIMIT	No	PID ACTION LIMIT
	No	PM ACTION LIMIT	No	PM ACTION LIMIT
MAXIMUM AND MINIMUM PARTICULATE	-	MAX UP WIND	-	MIN UP WIND
DETECTIONS (uglm ³)	-	MAX DOWN WIND	-	MIN DOWN WIND

Additional Comments

MATERIALS TRANSPORTED OFFSITE AND DELIVERED TO SITE

None

PLAN FOR NEXT DAY

Continue installation of the SVE piping and blower.



DAILY ACTIVITY REPORT

1120 Westchester Ave

SITE ADDRESS: 1120 Westchester Avenue, Bronx, 10459

DATE: November 2, 2017

Site NUMBER: 203083

CONSULTANT	MANPOWER	EQUIPMENT
Environmental Business Consultants	Kevin Waters	(1) PID (1) Dust Meter

DESCRIPTION OF DAILY ACTIVITY

Completed the SVE piping.
Hooked up electric to the blower

WEATHER	WIND & DIRECTION	AM	TEMP	AM	SKY	AM
		PM		PM		PM

AIR MONITORING

ONSITE CAMP STATIONS	No	UPWIND	No	DOWNWIND
CORRECTIVE ACTION REQUIRED	No	ODOR	No	ODOR
	No	PID ACTION LIMIT	No	PID ACTION LIMIT
	No	PM ACTION LIMIT	No	PM ACTION LIMIT
MAXIMUM AND MINIMUM PARTICULATE	-	MAX UP WIND	-	MIN UP WIND
DETECTIONS (uglm ³)	-	MAX DOWN WIND	-	MIN DOWN WIND

Additional Comments

MATERIALS TRANSPORTED OFFSITE AND DELIVERED TO SITE

None

PLAN FOR NEXT DAY

Will perform the SVI evaluation of 1122 Westchester Ave - following week.
Will start up and test the system - following week.



DAILY ACTIVITY REPORT

1120 Westchester Ave

SITE ADDRESS: 1120 Westchester Avenue, Bronx, 10459

DATE: November 8, 2017

Site NUMBER: 203083

CONSULTANT	MANPOWER	EQUIPMENT
Environmental Business Consultants	Thomas Gallo	(1) PID (1) Dust Meter

DESCRIPTION OF DAILY ACTIVITY

Performed the SVI evaluation and testing for the adjacent property, 1122 Westchester Ave, Bronx, NY.
Filled out the NYSDOH Indoor air questionnaire.

WEATHER	WIND & DIRECTION	AM	TEMP	AM	SKY	AM
		PM		PM		PM

AIR MONITORING

ONSITE CAMP STATIONS	No	UPWIND	No	DOWNWIND
CORRECTIVE ACTION REQUIRED	No	ODOR	No	ODOR
	No	PID ACTION LIMIT	No	PID ACTION LIMIT
	No	PM ACTION LIMIT	No	PM ACTION LIMIT
MAXIMUM AND MINIMUM PARTICULATE	-	MAX UP WIND	-	MIN UP WIND
DETECTIONS (uglm³)	-	MAX DOWN WIND	-	MIN DOWN WIND

Additional Comments

MATERIALS TRANSPORTED OFFSITE AND DELIVERED TO SITE

None

PLAN FOR NEXT DAY

Start up and test the system.
Perform air sampling of the SVE system.



DAILY ACTIVITY REPORT

1120 Westchester Ave

SITE ADDRESS: 1120 Westchester Avenue, Bronx, 10459

DATE: November 9, 2017

Site NUMBER: 203083

CONSULTANT	MANPOWER	EQUIPMENT
Environmental Business Consultants	Thomas Gallo	(1) PID (1) Dust Meter

DESCRIPTION OF DAILY ACTIVITY

Started and tested the system.
 Took vacuum readings throughout the basement.
 Perform air sampling of the SVE system.

WEATHER	WIND & DIRECTION	AM	TEMP	AM	SKY	AM
		PM		PM		PM

AIR MONITORING

ONSITE CAMP STATIONS	No	UPWIND	No	DOWNWIND
CORRECTIVE ACTION REQUIRED	No	ODOR	No	ODOR
	No	PID ACTION LIMIT	No	PID ACTION LIMIT
	No	PM ACTION LIMIT	No	PM ACTION LIMIT
MAXIMUM AND MINIMUM PARTICULATE	-	MAX UP WIND	-	MIN UP WIND
DETECTIONS (uglm ³)	-	MAX DOWN WIND	-	MIN DOWN WIND

Additional Comments

MATERIALS TRANSPORTED OFFSITE AND DELIVERED TO SITE

None

PLAN FOR NEXT DAY

Conduct bi-weekly Inspections.

1120 Westchester Avenue Bronx, NY

NYSDEC SITE No. 203083

SOIL VAPOR EXTRACTION SYSTEM INSPECTION FORM

Date: 11-9-2017

Time: 10:00 AM

Weather: Sunny, 40's

Inspector: Thomas Gallo

Extraction Point	Vacuum (iwc)	PID Reading(ppm)
Blower inlet	-30+	11.5

Inspection:	Yes / No	Comments
Blower Operating?	Yes	
Spare Carbon Drums?	No	
System Integrity?		All piping is sealed and secure

CARBON MONITORING

Carbon filter installation date: 11-9-17

<u>Date/Time</u>	<u>Location</u>	<u>PID reading</u>	<u>PID units(ppm or ppb)</u>
<u>12:00</u>	Pre-Carbon	<u>12.0</u>	<u>PPM</u>
	Mid-Carbon		
<u>12:05</u>	Post -Carbon	<u>0.1</u>	<u>PPM</u>

Comments/Actions taken:

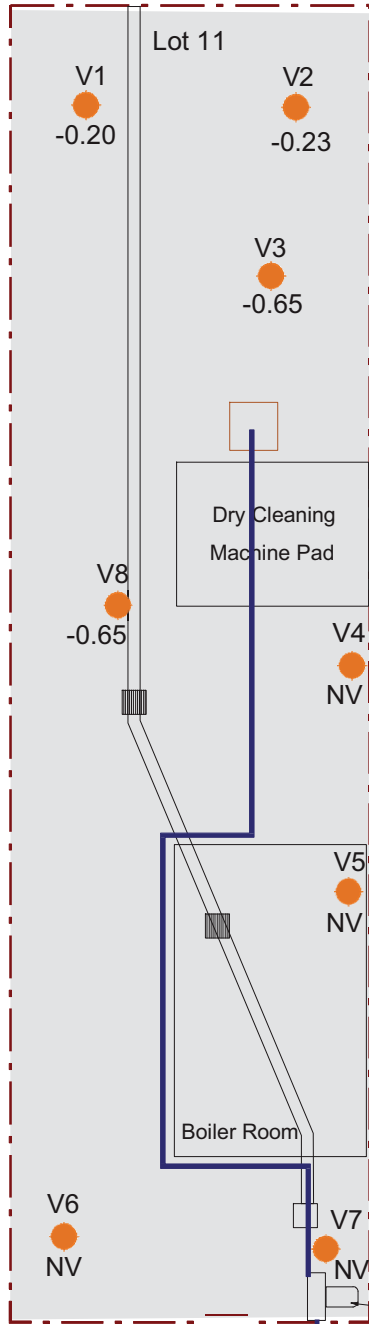
Small cracks in concrete around VE pit were sealed during initial startup inspection

Samples collected for Pre-Carbon and Post-Carbon.

WESTCHESTER AVENUE

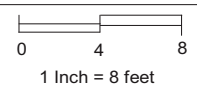


Mixed-Use
2-Story
Lot 10



Mixed-Use
2-Story
Lot 12

SCALE:



KEY:

- Property Boundary
 - Existing Building
 - Vapor Extraction Pit
 - Subslab Vacuum Test Locations
- Vacuum readings in inches of H₂O
NV - No Vacuum Reading

2-inch Discharge Line
to 3' above roofline.

1.0 HP Regenerative
Blower

TIGG GAC Vapor Phase Carbon Canisters



Environmental Business Consultants

Phone 631.504.6000
Fax 631.924.2870

FIGURE

Site Address: 1120 Westchester Avenue, Bronx, NY

Drawing Title: Sub Slab Vacuum Readings



DAILY ACTIVITY REPORT

1120 Westchester Ave.

SITE ADDRESS: 1120 Westchester Avenue, Bronx, 10459

DATE: December 28, 2017

Site NUMBER: 203083

CONSULTANT	MANPOWER	EQUIPMENT
Environmental Business Consultants	Thomas Gallo	(1) PID
		(1) Dust Meter

DESCRIPTION OF DAILY ACTIVITY
Air monitoring, oversight

CONSULTANT	MANPOWER	EQUIPMENT
C Squared Environmental	Jim Balado	(2) 55 gallon steel drums, post-hole digger, chipping drill, vapor barrier, gravel, concrete
	Lu Vidial	

DESCRIPTION OF DAILY ACTIVITY
Installed second Vapor Extraction Pit for south half of site
Drummed up all soil removed during installation

WEATHER	WIND & DIRECTION	AM	TEMP	AM	SKY	AM
	NNW @ 13 MPH		14		Sunny	
		PM		PM		PM

AIR MONITORING

ONSITE CAMP STATIONS	Yes	UPWIND	Yes	DOWNWIND
CORRECTIVE ACTION REQUIRED	No	ODOR	No	ODOR
	No	PID ACTION LIMIT	No	PID ACTION LIMIT
	No	PM ACTION LIMIT	No	PM ACTION LIMIT
MAXIMUM AND MINIMUM PARTICULATE DETECTIONS (ug/m ³)	23	MAX UP WIND	10	MIN UP WIND
	27	MAX DOWN WIND	15	MIN DOWN WIND

Additional Comments

MATERIALS TRANSPORTED OFFSITE AND DELIVERED TO SITE
None

PLAN FOR NEXT DAY
Conduct vacuum test







Daily Air Monitoring Log

Property Name: 1120 Westchester Avenue Date: 12-28-17
 Street Number: 3200 NY City No: 203083
 Orientation: 14E WIND DIRECTION: NW083 Day/Date: January
 Background Date: Upwind: 0.0 Downwind: 0.014 mg/m³
 Downwind: 0.0 Downwind: 0.014 mg/m³

Time	Work Zone		Upwind		Downwind	
	PM10 -ppm	Dust -mg/m ³	PM10 -ppm	Dust -mg/m ³	PM10 -ppm	Dust -mg/m ³
8:15	0.0	0.043	0.0	0.014	0.0	0.019
8:45	0.1	0.038	0.0	0.013	0.0	0.023
9:15	0.0	0.067	0.0	0.018	0.0	0.017
9:45	0.0	0.054	0.0	0.010	0.0	0.017
10:15	0.1	0.042	0.0	0.016	0.0	0.021
10:45	0.0	0.050	0.0	0.011	0.0	0.015
11:15	0.0	0.060	0.0	0.017	0.0	0.027
11:45	0.0	0.054	0.0	0.020	0.0	0.021
12:15	0.0	0.053	0.0	0.014	0.0	0.020
12:45	0.0	0.067	0.0	0.023	0.0	0.015
1:15	0.0	0.050	0.0	0.020	0.0	0.018
1:45	0.0	0.044	0.0	0.016	0.0	0.021
2:15	0.0	0.041	0.0	0.014	0.0	0.026
2:45	0.0	0.038	0.0	0.015	0.0	0.023
3:15	0.0	0.036	0.0	0.026	0.0	0.017

Activity performed: Installation of second Vapor Extraction Pit



DAILY ACTIVITY REPORT

1120 Westchester Ave.

SITE ADDRESS: 1120 Westchester Avenue, Bronx, 10459

DATE: January 2, 2018

Site NUMBER: 203083

CONSULTANT	MANPOWER	EQUIPMENT
Environmental Business Consultants	Thomas Gallo	(1) PID
		(2) Manometer
		(1) concrete patch mix

DESCRIPTION OF DAILY ACTIVITY

Subslab vacuum testing with manometer

Patches cracks in concrete slab where vacuum was being lost

WEATHER	WIND & DIRECTION	W @ 8 MPH	AM	TEMP	AM	SKY	AM
		W @ 8 MPH	PM	20	PM	Sunny	PM

AIR MONITORING

ONSITE CAMP STATIONS	No	UPWIND	No	DOWNWIND
CORRECTIVE ACTION REQUIRED	No	ODOR	No	ODOR
	No	PM ACTION LIMIT	No	PM ACTION LIMIT
	No	PM ACTION LIMIT	No	PM ACTION LIMIT
MAXIMUM AND MINIMUM PARTICULATE DETECTIONS (ug/m ³)		MAX UP WIND		MIN UP WIND
		MAX DOWN WIND		MIN DOWN WIND

Additional Comments

MATERIALS TRANSPORTED OFFSITE AND DELIVERED TO SITE

None

PLAN FOR NEXT DAY

Vacuum test continued







DAILY ACTIVITY REPORT

1120 Westchester Ave.

SITE ADDRESS: 1120 Westchester Avenue, Bronx, 10459

DATE: January 3, 2018

Site NUMBER: 203083

CONSULTANT	MANPOWER	EQUIPMENT
Environmental Business Consultants	Thomas Gallo	(1) PID (2) Manometer (1) concrete patch mix

DESCRIPTION OF DAILY ACTIVITY

Subslab vacuum testing with manometer
Patches cracks in concrete slab where vacuum was being lost

WEATHER	WIND & DIRECTION	W @ 3 MPH	AM	TEMP	AM	SKY	AM
			PM	19	PM	Sunny	PM

AIR MONITORING

ONSITE CAMP STATIONS	No	UPWIND	No	DOWNWIND
CORRECTIVE ACTION REQUIRED	No	ODOR	No	ODOR
	No	PM ACTION LIMIT	No	PM ACTION LIMIT
	No	PM ACTION LIMIT	No	PM ACTION LIMIT
MAXIMUM AND MINIMUM PARTICULATE DETECTIONS (ug/m ³)		MAX UP WIND		MIN UP WIND
		MAX DOWN WIND		MIN DOWN WIND

Additional Comments

MATERIALS TRANSPORTED OFFSITE AND DELIVERED TO SITE

None

PLAN FOR NEXT DAY











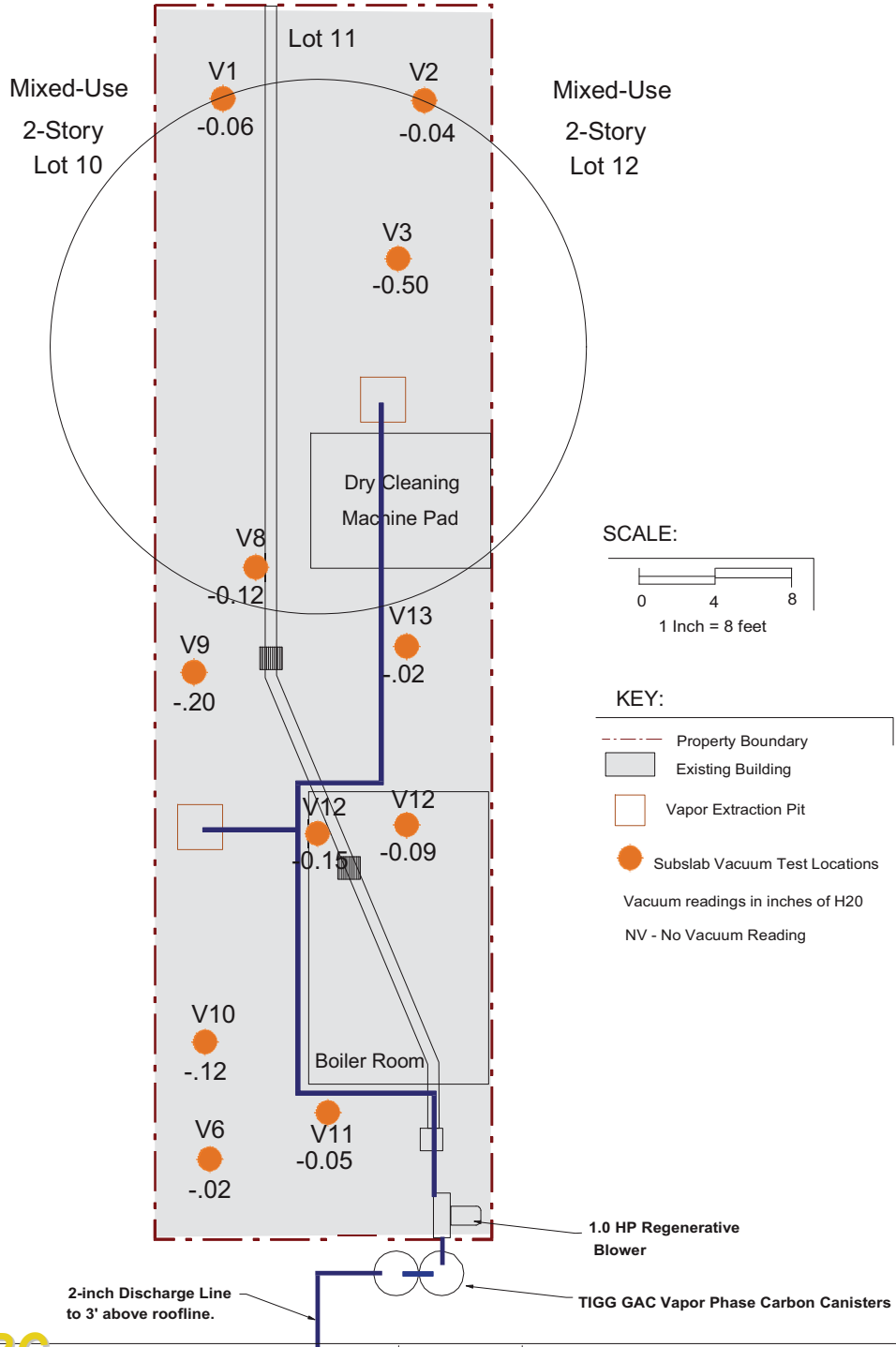








WESTCHESTER AVENUE



Environmental Business Consultants

Phone 631.504.6000
 Fax 631.924.2870

FIGURE

Site Address: 1120 Westchester Avenue, Bronx, NY
 Drawing Title: Sub Slab Vacuum Readings





DAILY ACTIVITY REPORT

FORMER CONSOLIDATED FREIGHTWAYS TERMINAL
SITE ADDRESS: 1120 Westchester Avenue, Bronx, 10459
DATE: 3/20/18
BCP NUMBER: 203083

CONTRACTOR	MANPOWER	EQUIPMENT
Brookside Environmental	Brian	Hand Equipment

DESCRIPTION OF DAILY ACTIVITY
Soil drum pickup for disposal at Cycle Chem, Elizabeth, NJ.

CONSULTANT	MANPOWER	EQUIPMENT
Environmental Business Consultants	Tony Balado	(1) PID, (1) Dust Meter

DESCRIPTION OF DAILY ACTIVITY
CAMP monitoring within cellar. Oversaw pickup of drums by Brookside Environmental for transport to Cycle Chem, Elizabeth, NJ

WEATHER	WIND & DIRECTION	TEMP	SKY
	N 4 mph AM	45 AM	Sun AM
		PM	PM

AIR MONITORING			
ONSITE CAMP STATIONS	Nd	UPWIND	Nd DOWNWIND
CORRECTIVE ACTION REQUIRED	Nd	ODOR	N ODOR
	Nd	PID ACTION LIMIT	N PID ACTION
	Nd	PM ACTION LIMIT	N PM ACTION
MAXIMUM AND MINIMUM PARTICULATE DETECTIONS (uglm ³)	.0	MAX UP WIND	.00 MIN UP WIND
	.0	MAX DOWN WIND	.00 MIN DOWN

Comments/Notes

MATERIALS TRANSPORTED OFFSITE AND DELIVERED TO SITE
2 Haz soil drums and 1 non-haz soil drum transported to Cycle Chem.

PLAN FOR NEXT DAY

Photo Log

Photo 1- Rear entrance



Photo 2- 3 drums on lift of truck, properly labeled.



Soil Manifests

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1481071

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N70000132795	2. Page 1 of 1	3. Emergency Response Phone 631 608 8810	4. Waste Tracking Number 32018-01
5. Generator's Name and Mailing Address WEST LEVY LLC 2140 EAST 7TH STREET BROOKLYN, NY 11223 Generator's Phone: 917-622-3130			Generator's Site Address (if different than mailing address) 1120 WESTCHESTER AVENUE BRONX, NY 10459		
6. Transporter 1 Company Name			U.S. EPA ID Number		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address CYCLE CHEM, INC. 217 SOUTH FIRST STREET ELIZABETH, NJ 07206 Facility's Phone: 908-355-5800			U.S. EPA ID Number NJD002200046		
9. Waste Shipping Name and Description 1. NON-DOT CHEMICAL PROCESS SOLID NON-RCRA		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
		X1	DM	500	P
					ID27
13. Special Handling Instructions and Additional Information 1-SOIL WITH LOW LEVEL TCE					
14. GENERATOR/SUFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/packaged, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Officer's Printed/Typed Name			Signature	Month	Day
					Year
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name			Signature	Month	Day
					Year
Transporter 2 Printed/Typed Name			Signature	Month	Day
					Year
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
17b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____					
17c. Signature of Alternate Facility (or Generator) Month _____ Day _____ Year _____					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17c					
Printed/Typed Name			Signature	Month	Day
					Year

169-BLC-O 5 11977 (Rev. 9/09) DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved, OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NY0000132795	2. Page 1 of 1	3. Emergency Response Phone 631-608-8810	4. Manifest Tracking Number 016672543 JJK
5. Generator's Name and Mailing Address WEST LEVY LLC 2140 EAST 7TH STREET BROOKLYN, NY 11223 Generator's Phone: 917-622-3130		Generator's Site Address (if different than mailing address) 1120 WESTCHESTER AVENUE BROX, NY 10459			
6. Transporter 1 Company Name		U.S. EPA ID Number			
7. Transporter 2 Company Name		U.S. EPA ID Number			
8. Designated Facility Name and Site Address CYCLE CHEM, INC. 217 SOUTH FIRST STREET ELIZABETH, NJ 07206 Facility's Phone: 908-355-5800		U.S. EPA ID Number NJ0002200046			
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type	11. Total Quantity	12. Unit Wt./Vol.
	X	1 UN3077 WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCE SOLID, A.O.S. (TETRACHLOROETHANE, 43%) CLASS 9, PG III	X2 DM 1,000	P	FOCI
14. Special Handling Instructions and Additional Information 1-SOIL WITH LOW LEVEL TCE					
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.					
Generator's/Offeror's Printed/Typed Name		Signature		Month Day Year	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____					
17. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name		Signature		Month Day Year	
Transporter 2 Printed/Typed Name		Signature		Month Day Year	
18. Discrepancy					
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
18b. Alternate Facility (or Generator)				Manifest Reference Number: U.S. EPA ID Number	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)					
1		2		3	
4					
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a					
Printed/Typed Name		Signature		Month Day Year	

Daily Air Monitoring Log

Project Name: _____

Date: 3/20/2018

Project Location: 1120 Westchester ave.

BCP No: _____

Temperature: 44F

Wind Speed/Direction: N 4mph

Sky Cover: Sun

Background Data: Downwind 1 – PID 0.0 ppm

Dust Meter 1 – 0.003 mg/m³

Downwind 2 – PID 0.0 ppm

Dust Meter 2 - 0.000 mg/m³

Time	Work Zone		Downwind 1		Downwind 2	
	PID – ppm	Dust- mg/m ³	PID – ppm	Dust- mg/m ³	PID – ppm	Dust- mg/m ³
700	0.0	0.021	-	-	-	-
715	0.0	0.030	-	-	-	-
730	0.0	0.014	-	-	-	-
745	0.0	0.021	-	-	-	-
800	0.0	0.030	-	-	-	-
815	0.0	0.020	-	-	-	-
830	0.0	0.022	-	-	-	-
845	0.0	0.021	-	-	-	-
900	0.0	0.022	-	-	-	-
915	0.0	0.019	-	-	-	-
930	0.0	0.018	-	-	-	-
945	0.0	0.017	-	-	-	-
1000	0.0	0.010	-	-	-	-

APPENDIX E
Cycle Chem
Hazardous Disposal Documentation



ENVIRONMENTAL BUSINESS CONSULTANTS

March 12, 2018

Todd Meyer
Cycle Chem
217 South 1st Street
Elizabeth, NJ 07206

**Re: Facility Acceptance of Soil from
NYSDEC State Superfund Site No. 203083
1120 Westchester Avenue, Bronx, NY 10459
F002 Hazardous Waste**

Mr. Meyer:

Environmental Business Consultants (EBC) is seeking to verify the acceptance of F002 Hazardous Waste from a remediation project located at 1120 Westchester Avenue, Bronx, New York 10459, to your RCRA Part B permitted transfer, storage and disposal facility (TSDF) that accepts hazardous and industrial waste located at 217 South 1st Street, Elizabeth, NJ 07206 (Cycle Chem, Inc.).

The Site is an environmental remediation project enrolled in the New York State Superfund Program, Site No. 203083. Digital copies of the Phase II Subsurface Investigation Report (Associated Environmental, February 2015), Interim Remedial Measure (IRM) Work Plan (EBC, September 2017) and IRM lab data and figure (EBC, October 2017) and waste characterization laboratory data can be downloaded using the Dropbox link below:

<https://www.dropbox.com/sh/ap0sn5acv8smr6u/AAAXDSts-SZdSOLP30YNOUJVa?dl=0>

EBC collected one 5-point composite soil sample and one grab soil sample from two 55-gallon drums. Each of the waste characterization soil samples were collected in laboratory provided glassware and submitted to Phoenix Environmental Laboratories, Inc. for laboratory analysis in accordance with the frequency and analytical requirements of Cycle Chem.

The laboratory results of soil sample "W.C. Grab" reported tetrachloroethene (PCE) at a concentration of 430 ug/Kg. No hazardous metals were identified for "W.C. Comp".

Please verify in writing that F002 Hazardous Waste from two 55-gallon drums is acceptable under the terms and conditions of the Cycle Chem operating permit.

Please notify us if the above sampling program is acceptable or if any additional verification sampling is required by your facility. Please contact me or the Project's Remedial Engineer, Ariel Czemerinski P.E. at (718) 545-0474, if you have any questions or if anything requires further clarification.

Very truly yours,

Kevin Waters
Project Manager





03/12/18

To Whom It May Concern:

This letter is being provided in connection with the disposal of two drums of Hazardous Waste soil with low level Tetrachloroethane and one drum of Non-Hazardous Waste soil (with NYSDEC-issued Contain-in Determination) from West Levy LLC 1120 Westchester Ave Bronx, NY. The approved Waste Profiles# are LD and STNS. These wastes will be managed at Cycle Chem's New Jersey TSDf located at 217 South First Street Elizabeth, NJ (EPA ID# NJD002200046). This facility is properly licensed and permitted to manage and dispose of this waste stream."

If you have any questions or need additional information, please do not hesitate to contact me at (908) 312-5908.

Sincerely,


Roxana Hernandez
Customer Service Representative



**STATE OF NEW JERSEY
BUSINESS REGISTRATION
CERTIFICATE**

Taxpayer Name: CYCLE CHEM, INC.

Trade Name:

Address: 217 SOUTH FIRST STREET
ELIZABETH, NJ 07206-1502

Certificate Number: 0096428

Effective Date: February 14, 1962

Date of Issuance: January 18, 2018

For Office Use Only:

20180118091857314



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Division of Solid & Hazardous Waste
Bureau of Recycling & Hazardous Waste Management
401 East State Street
P.O. Box 420, Mail Code 401-02C
Trenton, NJ 08625-0420

Tel (609) 984-3438 Fax (609) 777-1951/984-0565
www.nj.gov/dep/dshw/recycling/

CHRIS CHRISTIE
Governor

BOB MARTIN
Commissioner

KIM GUADAGNO
Lt. Governor

Solid and Hazardous Waste Facility Permit

Under the provisions of N.J.S.A. 13:1E-1 et seq. known as the Solid Waste Management Act, this permit is hereby issued to:

Cycle Chem, Inc.
217 South First Street
Elizabeth, New Jersey 07206-1502


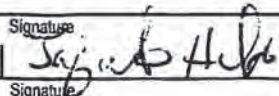
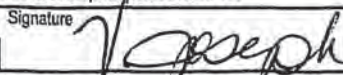
For the Purpose of Operating a: Solid and Hazardous Waste Treatment, Storage, and Transfer Facility
Block No.: 2
Lot Nos.: 865 and Part of 74
Municipality: City of Elizabeth
County: Union
Under Facility Permit No.: HWP060001
EPA ID No.: NJD002200046

This permit is subject to compliance with all conditions specified herein and all regulations promulgated by the New Jersey Department of Environmental Protection (hereinafter referred to as the Department).

This permit shall not prejudice any claim the State of New Jersey (hereinafter referred to as the State) may have to riparian land, nor does it allow the permittee to fill or alter or allow to be filled or altered in any way, lands that are deemed to be riparian, wetlands, stream encroachment areas or flood plains, or that are within the Coastal Area Facility Review Act (CAFRA) zone or are subject to the Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this State without prior acquisition of the necessary grants, permits, or approvals from the Department or the U.S. Environmental Protection Agency (EPA).

June 9, 2017
Issuance Date
July 9, 2017
Effective Date
July 9, 2022
Expiration Date

Zafar M. Billah
Zafar M. Billah, Acting Chief
Bureau of Recycling &
Hazardous Waste Management

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number NY0000132795	2. Page 1 of 1	3. Emergency Response Phone 631-608-8810	4. Manifest Tracking Number 016672543 JJK			
5. Generator's Name and Mailing Address WEST LEVY LLC 2140 EAST 7TH STREET BROOKLYN, NY 11223		Generator's Site Address (if different than mailing address) 1120 WESTCHESTER AVENUE BROOKLYN, NY 10459					
6. Transporter 1 Company Name All State Power vac Inc		U.S. EPA ID Number NJ0003912047					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address CYCLE CHEM, INC. 217 SOUTH FIRST STREET ELIZABETH, NJ 07206		U.S. EPA ID Number NJ0002200046					
Facility's Phone: 908-355-5800							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	X	1. UN3077 WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCE SOLID, N.O.S. (TETRACHLOROETHANE .430PM) CLASS 9, PG III	X2 DM	1,000	P	FO01	
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information 1-SOIL WITH LOW LEVEL TCE STNS-2							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name Anthony Balado		Signature 		Month	Day	Year	
				3	20	18	
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials						
TRANSPORTER	Transporter 1 Printed/Typed Name Jaquita Helms		Signature 		Month	Day	Year
					3	2	10
Transporter 2 Printed/Typed Name		Signature		Month	Day	Year	
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number: _____						
	18b. Alternate Facility (or Generator)		U.S. EPA ID Number				
Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator)					Month	Day	Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name V Joseph		Signature 		Month	Day	Year	
				3	20	18	

APPENDIX F
Cycle Chem
Non-Hazardous Disposal Documentation



ENVIRONMENTAL BUSINESS CONSULTANTS

January 16, 2018

Henry Wilkie
New York State Department of Environmental Conservation
Remedial Bureau A, 12th Floor
625 Broadway, Albany, New York 12233-7015

**Re: Contained-In Letter Request
NYSDEC Site No. 203083
1120 Westchester Avenue, Bronx, NY 10459**

Dear Mr. Wilkie:

The NYSDEC Site No. 203083 is located at 1120 Westchester Avenue, Bronx, NY. The Site is currently developed with a 2-story/full cellar level mixed-use (commercial-retail/residential building). The cellar and first floor retail space are currently vacant. The single residential apartment on the second floor is currently occupied. Historical use of the site includes operation of a dry cleaner. The site is being managed under an Interim Remedial Measure (IRM) Work Plan. The IRM proposed for the Site consists of the installation and operation of a soil vapor extraction system (SVE). To install the system, two SVE pits were installed below the basement cellar. The soil generated from the excavation of the pits was drummed up in three 55-gallon drums. was previously developed with a one and two-story building that was utilized by Carter Spray Finishing Corp. from approximately 1960 through at least 2008. From approximately 1959 to 1998, Carter Spray Finishing Corp. utilized two 275-gallon aboveground storage tanks containing trichloroethene (TCE).

All soil sampling performed at the site is described below.

February 2015 – Phase II Investigation Report (AES)

Associated Environmental Services, Ltd. (AES) performed an initial Phase II investigation on December 16, 2014. The investigation included the installation of four shallow soil borings (SB1-SB4) in the cellar of the building. At each location the borings were completed to a depth of three feet with soil samples collected from the 0-3 ft interval and submitted for analysis of VOCs by EPA method 8260. Based on the results which identified elevated PCE concentrations at the B1 and B3 locations and second sampling event was performed on February 12, 2015 which included the installation of six additional shallow borings in the cellar (SB1a-SB1c, SB3a, SB3c) and one deep boring (SB5) to a depth of 32 feet in the sidewalk in front of the building. See **Figure 3** in the AES Phase II Investigation Report for the location of the Phase II borings.

The results of the phase II investigation determined the presence of PCE in shallow soil beneath the site in the vicinity of SB1, located to the north of the former dry cleaning machine area, and to a much lesser extent in the vicinity of SB3 located in the boiler room. PCE was reported in all four samples from the SB1 area and ranged in concentration from 2,800 ug/kg in SB1 to 100,000 ug/kg in SB1b. PCE in the SB3 area was limited to the SB3 sample at a concentration of 1,500 ug/kg. Petroleum VOCs including 1,2,4-trimethylbenzene (9,000 ug/kg) and xylene (2,700 ug/kg) were reported in SB3 with xylene also reported in SB3c (310 ug/kg).



A copy of the Phase II Report can be obtained from the Dropbox link provided below. Please download and save a copy of the report for your records. The Dropbox link will be deleted after March 31, 2018.

<https://www.dropbox.com/sh/qvozi993551nsdc/AABq8owh9u97sIV7TSig7LWea?dl=0>

Source Delineation Sampling – October 2017

EBC performed Source Delineation Sampling in accordance with the IRM Work Plan on October 10, 2017. Soil borings (SB5-SB12) were advanced in the cellar level to delineate the horizontal and vertical extent of the source area(s). Soil samples representing the interval 0 to 2 feet below the cellar slab were retained from soil borings SB5 and SB9-SB12. Soil samples representing the interval the 0 to 2 feet and 2 to 4 feet intervals below the slab were retained from soil borings SB6-SB9. See **Figure 1** for the location and results of the source delineation sampling locations.

The chlorinated VOC Trichloroethylene (TCE) was detected within two of the eleven soil samples collected at a concentration below Unrestricted Use SCOs. The highest TCE concentration was reported in soil sample SB6 (0-2) at 64 µg/kg. TCE was not detected above the laboratory reporting limit (RL) within nine of the soil borings. The chlorinated VOC Tetrachlorethene (PCE) was detected within all eleven soil borings. PCE was detected above Unrestricted Use SCOs in seven of the soil samples collected and above Restricted Residential Use SCOs in three of the soil samples collected. The highest PCE concentrations were reported in soil samples SB6 (0-2) (57,000 µg/kg), SB8 (0-2) (29,000 µg/kg) and SB9 (0-2) (22,000 µg/kg). The SB6, SB8 and SB9 soil borings are all located in the front of the Site in the vicinity of one of the two soil vapor extraction pits. The results are summarized and compared to NYSDEC Part 375.6 Unrestricted Use SCOs and Restricted Residential Use SCOs in **Table 1**.

The figure of the IRM source delineation sampling locations, lab data summarized in tables and a copy of the laboratory reports can be obtained from the Dropbox link provided above. Please download and save a copy of the documents for your records. The Dropbox link will be deleted after March 31, 2018.

January 2016 – WC Sampling Event

A waste characterization soil sample was collected on November 9, 2017 from the soil excavated for the installation of the soil vapor extraction pit. See **Figure 2** for the soil vapor extraction system layout.

Five grab soil samples were collected from soil stockpiled on poly sheeting and from a 55-gallon drum to form a five point composite sample. The soil sample exhibiting the highest PID reading was submitted as the grab sample. Each of the soil samples were collected in laboratory provided glassware and submitted to Phoenix Environmental Laboratories, Inc. The 5-point composite soil sample was submitted for laboratory analysis of TCLP metals. The grab soil sample was submitted for laboratory analysis of VOCs via EPA Method 8260.

TCE was the only compound detected in the grab soil sample. TCE was detected at 430 µg/kg, below Unrestricted Use SCOs.

The figure of the soil vapor extraction system layout and a copy of the laboratory report can be obtained from the Dropbox link provided above. Please download and save a copy of the documents for your records. The Dropbox link will be deleted after March 31, 2018.



Contained-In Determination Request

EBC is requesting a Contained-In determination for the soil that was excavated for the installation of the soil vapor extraction pits.

The results of the phase II investigation determined the presence of PCE in shallow soil beneath the site in the vicinity of SB1, located to the north of the former dry cleaning machine area, and to a much lesser extent in the vicinity of SB3 located in the boiler room. PCE was reported in all four samples from the SB1 area and ranged in concentration from 2,800 ug/kg in SB1 to 100,000 ug/kg in SB1b. PCE in the SB3 area was limited to the SB3 sample at a concentration of 1,500 ug/kg. Petroleum VOCs including 1,2,4-trimethylbenzene (9,000 ug/kg) and xylene (2,700 ug/kg) were reported in SB3 with xylene also reported in SB3c (310 ug/kg).

Source delineation sampling indicated TCE was detected at a concentration below Unrestricted Use SCOs. PCE was detected above Unrestricted Use SCOs in seven of the soil samples collected and above Restricted Residential Use SCOs in three of the soil samples collected. The highest PCE concentrations were reported in soil samples SB6 (0-2) (57,000 µg/kg), SB8 (0-2) (29,000 µg/kg) and SB9 (0-2) (22,000 µg/kg).

Waste characterization sampling indicated that TCE was detected below Unrestricted Use SCOs for the grab soil sample. No PCE was detected.

The Phase II report, figures and lab data for the related soil samples can be downloaded using the Dropbox link provided above.

The proposed soil disposal facility for the three 55-gallon drums is Veolia ES Technical Solutions, LLC located at 1 Eden Lane, Flanders, New Jersey 07836. The Contained-In Letter will be forwarded to Veolia ES Technical Solutions, LLC for review and to allow for transport and off-site disposal of the soil from the site as a non-hazardous material.

Sincerely,

Kevin Waters
Field Manager

cc: A. Czemerinski (AMC), C. Sosik (EBC)



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Bureau of Program Management

625 Broadway, 12th Floor, Albany, NY 12233-7012

P: (518) 402-9764 | F: (518) 402-9722

www.dec.ny.gov

March 6, 2018

Mr. Kevin Waters
Field Operations Manager
EBC
Environmental Business Consultants
1808 Middle Country Road
Ridge, NY 11961

Re: Contained-In Letter Request
NYSDEC Site No. 203083
1120 Westchester Avenue, Bronx, NY 10459

Dear Mr. Waters:

The New York State Department of Environmental Conservation has reviewed the analytical soil data (Sampling ID: DRUM 3 WC) submitted with your February 8, 2018 request, via e-mail, for a “contained-in” determination for the referenced project. Concentrations detected for individual VOCs and SVOCs were all significantly less than their current “contained-in” soil and groundwater action levels, and Land Disposal Restriction (LDR) concentrations.

Concentrations for tetrachloroethene were below the soil “contained-in” action level and the Land Disposal Restriction concentration. One (1) 55-gallon drum, containing soil generated during recent remedial investigation activities at the referenced project, do not have to be managed as hazardous waste and can be transported off-site to Cycle Chem, 217 South 1st Street, Elizabeth, NJ 07206.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,



Henry Wilkie
Environmental Engineer 1
Resource Management Section

ec: M, Yau, DER Region 2



ENVIRONMENTAL BUSINESS CONSULTANTS

March 12, 2018

Todd Meyer
Cycle Chem
217 South 1st Street
Elizabeth, NJ 07206

**Re: Facility Acceptance of Soil from
NYSDEC State Superfund Site No. 203083
1120 Westchester Avenue, Bronx, NY 10459
F002 Hazardous Waste**

Mr. Meyer:

Environmental Business Consultants (EBC) is seeking to verify the acceptance of F002 Hazardous Waste from a remediation project located at 1120 Westchester Avenue, Bronx, New York 10459, to your RCRA Part B permitted transfer, storage and disposal facility (TSDF) that accepts hazardous and industrial waste located at 217 South 1st Street, Elizabeth, NJ 07206 (Cycle Chem, Inc.).

The Site is an environmental remediation project enrolled in the New York State Superfund Program, Site No. 203083. Digital copies of the Phase II Subsurface Investigation Report (Associated Environmental, February 2015), Interim Remedial Measure (IRM) Work Plan (EBC, September 2017) and IRM lab data and figure (EBC, October 2017) and waste characterization laboratory data can be downloaded using the Dropbox link below:

<https://www.dropbox.com/sh/ap0sn5acv8smr6u/AAAXDSts-SZdSOLP30YNOUJVa?dl=0>

EBC collected one 5-point composite soil sample and one grab soil sample from two 55-gallon drums. Each of the waste characterization soil samples were collected in laboratory provided glassware and submitted to Phoenix Environmental Laboratories, Inc. for laboratory analysis in accordance with the frequency and analytical requirements of Cycle Chem.

The laboratory results of soil sample "W.C. Grab" reported tetrachloroethene (PCE) at a concentration of 430 ug/Kg. No hazardous metals were identified for "W.C. Comp".

Please verify in writing that F002 Hazardous Waste from two 55-gallon drums is acceptable under the terms and conditions of the Cycle Chem operating permit.

Please notify us if the above sampling program is acceptable or if any additional verification sampling is required by your facility. Please contact me or the Project's Remedial Engineer, Ariel Czemerinski P.E. at (718) 545-0474, if you have any questions or if anything requires further clarification.

Very truly yours,

Kevin Waters
Project Manager





03/12/18

To Whom It May Concern:

This letter is being provided in connection with the disposal of two drums of Hazardous Waste soil with low level Tetrachloroethane and one drum of Non-Hazardous Waste soil (with NYSDEC-issued Contain-in Determination) from West Levy LLC 1120 Westchester Ave Bronx, NY. The approved Waste Profiles# are LD and STNS. These wastes will be managed at Cycle Chem's New Jersey TSDf located at 217 South First Street Elizabeth, NJ (EPA ID# NJD002200046). This facility is properly licensed and permitted to manage and dispose of this waste stream."

If you have any questions or need additional information, please do not hesitate to contact me at (908) 312-5908.

Sincerely,


Roxana Hernandez
Customer Service Representative



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

CHRIS CHRISTIE
Governor

BOB MARTIN
Commissioner

KIM GUADAGNO
Lt. Governor

Division of Solid & Hazardous Waste
Bureau of Recycling & Hazardous Waste Management
401 East State Street
P.O. Box 420, Mail Code 401-02C
Trenton, NJ 08625-0420
Tel (609) 984-3438 Fax (609) 777-1951/984-0565
www.nj.gov/dep/dshw/recycling/

Solid and Hazardous Waste Facility Permit

Under the provisions of N.J.S.A. 13:1E-1 et seq. known as the Solid Waste Management Act, this permit is hereby issued to:

Cycle Chem, Inc.
217 South First Street
Elizabeth, New Jersey 07206-1502

For the Purpose of Operating a:	Solid and Hazardous Waste Treatment, Storage, and Transfer Facility
Block No.:	2
Lot Nos.:	865 and Part of 74
Municipality:	City of Elizabeth
County:	Union
Under Facility Permit No.:	HWP060001
EPA ID No.:	NJD002200046

This permit is subject to compliance with all conditions specified herein and all regulations promulgated by the New Jersey Department of Environmental Protection (hereinafter referred to as the Department).

This permit shall not prejudice any claim the State of New Jersey (hereinafter referred to as the State) may have to riparian land, nor does it allow the permittee to fill or alter or allow to be filled or altered in any way, lands that are deemed to be riparian, wetlands, stream encroachment areas or flood plains, or that are within the Coastal Area Facility Review Act (CAFRA) zone or are subject to the Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this State without prior acquisition of the necessary grants, permits, or approvals from the Department or the U.S. Environmental Protection Agency (EPA).

June 9, 2017
Issuance Date
July 9, 2017
Effective Date
July 9, 2022
Expiration Date

Zafar Billah

Zafar M. Billah, Acting Chief
Bureau of Recycling &
Hazardous Waste Management



**STATE OF NEW JERSEY
BUSINESS REGISTRATION
CERTIFICATE**

Taxpayer Name: CYCLE CHEM, INC.

Trade Name:

Address: 217 SOUTH FIRST STREET
ELIZABETH, NJ 07206-1502

Certificate Number: 0096428

Effective Date: February 14, 1962

Date of Issuance: January 18, 2018

For Office Use Only:

20180118091857314

BOL210442A

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
NY0000132795

2. Page 1 of 1

3. Emergency Response Phone
631 608 8810

4. Waste Tracking Number
32018-01

5. Generator's Name and Mailing Address
WEST LEVY LLC
2140 EAST 7TH STREET
BROOKLYN, NY 11223
Generator's Phone: 917-622-3130

Generator's Site Address (if different than mailing address)
1120 WESTCHESTER AVENUE
BRONX, NY 10459

6. Transporter 1 Company Name
All State Power Vac Inc

U.S. EPA ID Number
NJ000882047

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
CYCLE CHEM INC.
217 SOUTH FIRST STREET
ELIZABETH, NJ 07206
Facility's Phone: 908-355-5800

U.S. EPA ID Number
NJ002200046

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

1. NON-DOT CHEMICAL PROCESS SOLID
NON-RCRA

No. Type
X1 DM

500

P

ID27

13. Special Handling Instructions and Additional Information

1-SOIL WITH LOW LEVEL TCE
LD-1

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name

Signature

Month Day Year

Anthony BALADO

3 20 18

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Jagvita Helms

3 20 18

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

V Joseph

3 20 18

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

APPENDIX G
Laboratory Results



Monday, April 09, 2018

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

Project ID: 1118 WESTCHESTER AVE., BRONX
Sample ID#s: CA12804 - CA12807

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

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

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

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

Sincerely yours,

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

Phyllis Shiller
Laboratory Director

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

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



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



SDG Comments

April 09, 2018

SDG I.D.: GCA12804

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

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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



Analysis Report

April 09, 2018

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 11287

Custody Information

Collected by: TG
 Received by: LB
 Analyzed by: see "By" below

Date: 04/02/18 19:59
 04/03/18 15:33

Laboratory Data

SDG ID: GCA12804
 Phoenix ID: CA12804

Project ID: 1118 WESTCHESTER AVE., BRONX
 Client ID: IA CELLAR

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/04/18	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/04/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/04/18	KCA	1	
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/04/18	KCA	1	
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/04/18	KCA	1	
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/04/18	KCA	1	
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	04/04/18	KCA	1	
1,2,4-Trimethylbenzene	0.251	0.204	0.204	1.23	1.00	1.00	04/04/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/04/18	KCA	1	
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	04/04/18	KCA	1	
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1	
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	04/04/18	KCA	1	
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1	
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1	
Acetone	11.1	0.421	0.421	26.4	1.00	1.00	04/04/18	KCA	1	
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	04/04/18	KCA	1	
Benzene	0.315	0.313	0.313	1.01	1.00	1.00	04/04/18	KCA	1	
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	04/04/18	KCA	1	

Client ID: IA CELLAR

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	04/04/18	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	04/04/18	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	04/04/18	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	04/04/18	KCA	1
Carbon Tetrachloride	0.067	0.032	0.032	0.42	0.20	0.20	04/04/18	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	04/04/18	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	04/04/18	KCA	1
Chloroform	0.358	0.205	0.205	1.75	1.00	1.00	04/04/18	KCA	1
Chloromethane	0.543	0.485	0.485	1.12	1.00	1.00	04/04/18	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/04/18	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/04/18	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	04/04/18	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	04/04/18	KCA	1
Dichlorodifluoromethane	0.414	0.202	0.202	2.05	1.00	1.00	04/04/18	KCA	1
Ethanol	106	E 0.531	0.531	200	1.00	1.00	04/04/18	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	04/04/18	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	04/04/18	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	04/04/18	KCA	1
Isopropylalcohol	39.0	0.407	0.407	95.8	1.00	1.00	04/04/18	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1
m,p-Xylene	0.400	0.230	0.230	1.74	1.00	1.00	04/04/18	KCA	1
Methyl Ethyl Ketone	0.686	0.339	0.339	2.02	1.00	1.00	04/04/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	04/04/18	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	04/04/18	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	04/04/18	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	04/04/18	KCA	1
Tetrachloroethene	0.250	0.037	0.037	1.69	0.25	0.25	04/04/18	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	04/04/18	KCA	1
Toluene	0.567	0.266	0.266	2.14	1.00	1.00	04/04/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	04/04/18	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/04/18	KCA	1
Trichloroethene	0.086	0.037	0.037	0.46	0.20	0.20	04/04/18	KCA	1
Trichlorofluoromethane	0.186	0.178	0.178	1.04	1.00	1.00	04/04/18	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	04/04/18	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	04/04/18	KCA	1
QA/QC Surrogates									
% Bromofluorobenzene	94	%	%	94	%	%	04/04/18	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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

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

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Phyllis Shiller, Laboratory Director

April 09, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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

Analysis Report

April 09, 2018

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 13633

Custody Information

Collected by: TG
 Received by: LB
 Analyzed by: see "By" below

Date: 04/02/18 20:01
 04/03/18 15:33

Laboratory Data

SDG ID: GCA12804
 Phoenix ID: CA12805

Project ID: 1118 WESTCHESTER AVE., BRONX
 Client ID: SS1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/05/18	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/05/18	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/05/18	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/05/18	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/05/18	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/05/18	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	04/05/18	KCA	1
1,2,4-Trimethylbenzene	0.981	0.204	0.204	4.82	1.00	1.00	04/05/18	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	04/05/18	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/05/18	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/05/18	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	04/05/18	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	04/05/18	KCA	1
1,3,5-Trimethylbenzene	0.308	0.204	0.204	1.51	1.00	1.00	04/05/18	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	04/05/18	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/05/18	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/05/18	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	04/05/18	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	04/05/18	KCA	1
4-Ethyltoluene	0.641	0.204	0.204	3.15	1.00	1.00	04/05/18	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	04/05/18	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	04/05/18	KCA	1
Acetone	129	2.11	2.11	306	5.01	5.01	04/05/18	KCA	5
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	04/05/18	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	04/05/18	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	04/05/18	KCA	1

Client ID: SS1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	04/05/18	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	04/05/18	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	04/05/18	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	04/05/18	KCA	1
Carbon Tetrachloride	0.071	0.032	0.032	0.45	0.20	0.20	04/05/18	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	04/05/18	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	04/05/18	KCA	1
Chloroform	0.302	0.205	0.205	1.47	1.00	1.00	04/05/18	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	04/05/18	KCA	1
Cis-1,2-Dichloroethene	2.47	0.051	0.051	9.8	0.20	0.20	04/05/18	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/05/18	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	04/05/18	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	04/05/18	KCA	1
Dichlorodifluoromethane	0.453	0.202	0.202	2.24	1.00	1.00	04/05/18	KCA	1
Ethanol	92.2	2.66	2.66	174	5.01	5.01	04/05/18	KCA	5
Ethyl acetate	2.55	0.278	0.278	9.18	1.00	1.00	04/05/18	KCA	1
Ethylbenzene	0.349	0.230	0.230	1.51	1.00	1.00	04/05/18	KCA	1
Heptane	0.607	0.244	0.244	2.49	1.00	1.00	04/05/18	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	04/05/18	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	04/05/18	KCA	1
Isopropylalcohol	64.8	2.04	2.04	159	5.01	5.01	04/05/18	KCA	5
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/05/18	KCA	1
m,p-Xylene	1.14	0.230	0.230	4.95	1.00	1.00	04/05/18	KCA	1
Methyl Ethyl Ketone	54.3	1.70	1.70	160	5.01	5.01	04/05/18	KCA	5
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	04/05/18	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	04/05/18	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/05/18	KCA	1
o-Xylene	0.653	0.230	0.230	2.83	1.00	1.00	04/05/18	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	04/05/18	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/05/18	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	04/05/18	KCA	1
Tetrachloroethene	4.87	0.037	0.037	33.0	0.25	0.25	04/05/18	KCA	1
Tetrahydrofuran	47.4	1.70	1.70	140	5.01	5.01	04/05/18	KCA	5
Toluene	2.13	0.266	0.266	8.02	1.00	1.00	04/05/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	04/05/18	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/05/18	KCA	1
Trichloroethene	0.208	0.037	0.037	1.12	0.20	0.20	04/05/18	KCA	1
Trichlorofluoromethane	0.231	0.178	0.178	1.30	1.00	1.00	04/05/18	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	04/05/18	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	04/05/18	KCA	1
QA/QC Surrogates									
% Bromofluorobenzene	100	%	%	100	%	%	04/05/18	KCA	1

Client ID: SS1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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Phyllis Shiller, Laboratory Director

April 09, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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

Analysis Report

April 09, 2018

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 19854

Custody Information

Collected by: TG
 Received by: LB
 Analyzed by: see "By" below

Date: 04/02/18 19:28
 04/03/18 15:33

Laboratory Data

SDG ID: GCA12804
 Phoenix ID: CA12806

Project ID: 1118 WESTCHESTER AVE., BRONX
 Client ID: IA FIRST FLOOR

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/05/18	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/05/18	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/05/18	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/05/18	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/05/18	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/05/18	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	04/05/18	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/05/18	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	04/05/18	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/05/18	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/05/18	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	04/05/18	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	04/05/18	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/05/18	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	04/05/18	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/05/18	KCA	1
1,4-Dichlorobenzene	0.386	0.166	0.166	2.32	1.00	1.00	04/05/18	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	04/05/18	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	04/05/18	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	04/05/18	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	04/05/18	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	04/05/18	KCA	1
Acetone	ND	0.421	0.421	ND	1.00	1.00	04/05/18	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	04/05/18	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	04/05/18	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	04/05/18	KCA	1

Client ID: IA FIRST FLOOR

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	04/05/18	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	04/05/18	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	04/05/18	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	04/05/18	KCA	1
Carbon Tetrachloride	0.068	0.032	0.032	0.43	0.20	0.20	04/05/18	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	04/05/18	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	04/05/18	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	04/05/18	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	04/05/18	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/05/18	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/05/18	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	04/05/18	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	04/05/18	KCA	1
Dichlorodifluoromethane	0.347	0.202	0.202	1.71	1.00	1.00	04/05/18	KCA	1
Ethanol	1060	E 0.531	0.531	2000	1.00	1.00	04/05/18	KCA	1 1
Ethyl acetate	1.39	0.278	0.278	5.01	1.00	1.00	04/05/18	KCA	1 1
Ethylbenzene	0.355	0.230	0.230	1.54	1.00	1.00	04/05/18	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	04/05/18	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	04/05/18	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	04/05/18	KCA	1
Isopropylalcohol	683	E 0.407	0.407	1680	1.00	1.00	04/05/18	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/05/18	KCA	1
m,p-Xylene	1.19	0.230	0.230	5.16	1.00	1.00	04/05/18	KCA	1
Methyl Ethyl Ketone	0.422	0.339	0.339	1.24	1.00	1.00	04/05/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	04/05/18	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	04/05/18	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/05/18	KCA	1 1
o-Xylene	0.444	0.230	0.230	1.93	1.00	1.00	04/05/18	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	04/05/18	KCA	1 1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/05/18	KCA	1 1
Styrene	ND	0.235	0.235	ND	1.00	1.00	04/05/18	KCA	1
Tetrachloroethene	0.069	0.037	0.037	0.47	0.25	0.25	04/05/18	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	04/05/18	KCA	1 1
Toluene	1.14	0.266	0.266	4.29	1.00	1.00	04/05/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	04/05/18	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/05/18	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	04/05/18	KCA	1
Trichlorofluoromethane	ND	0.178	0.178	ND	1.00	1.00	04/05/18	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	04/05/18	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	04/05/18	KCA	1
QA/QC Surrogates									
% Bromofluorobenzene	98	%	%	98	%	%	04/05/18	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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

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Phyllis Shiller, Laboratory Director

April 09, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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

Analysis Report

April 09, 2018

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 23326

Custody Information

Collected by: TG
 Received by: LB
 Analyzed by: see "By" below

Date: 04/02/18 19:15
 04/03/18 15:33

Laboratory Data

SDG ID: GCA12804
 Phoenix ID: CA12807

Project ID: 1118 WESTCHESTER AVE., BRONX
 Client ID: IA SECOND FLOOR

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/05/18	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/05/18	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/05/18	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/05/18	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/05/18	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/05/18	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	04/05/18	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/05/18	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	04/05/18	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/05/18	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/05/18	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	04/05/18	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	04/05/18	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/05/18	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	04/05/18	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/05/18	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/05/18	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	04/05/18	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	04/05/18	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	04/05/18	KCA	1
4-Isopropyltoluene	0.267	0.182	0.182	1.46	1.00	1.00	04/05/18	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	04/05/18	KCA	1
Acetone	54.3	2.11	2.11	129	5.01	5.01	04/05/18	KCA	5
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	04/05/18	KCA	1
Benzene	1.03	0.313	0.313	3.29	1.00	1.00	04/05/18	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	04/05/18	KCA	1

Client ID: IA SECOND FLOOR

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	04/05/18	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	04/05/18	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	04/05/18	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	04/05/18	KCA	1
Carbon Tetrachloride	0.074	0.032	0.032	0.47	0.20	0.20	04/05/18	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	04/05/18	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	04/05/18	KCA	1
Chloroform	1.59	0.205	0.205	7.76	1.00	1.00	04/05/18	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	04/05/18	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/05/18	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/05/18	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	04/05/18	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	04/05/18	KCA	1
Dichlorodifluoromethane	0.348	0.202	0.202	1.72	1.00	1.00	04/05/18	KCA	1
Ethanol	1080	E 2.66	2.66	2030	5.01	5.01	04/05/18	KCA	5 1
Ethyl acetate	1.16	0.278	0.278	4.18	1.00	1.00	04/05/18	KCA	1 1
Ethylbenzene	0.250	0.230	0.230	1.08	1.00	1.00	04/05/18	KCA	1
Heptane	0.366	0.244	0.244	1.50	1.00	1.00	04/05/18	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	04/05/18	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	04/05/18	KCA	1
Isopropylalcohol	137	2.04	2.04	337	5.01	5.01	04/05/18	KCA	5
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/05/18	KCA	1
m,p-Xylene	0.756	0.230	0.230	3.28	1.00	1.00	04/05/18	KCA	1
Methyl Ethyl Ketone	1.54	0.339	0.339	4.54	1.00	1.00	04/05/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	04/05/18	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	04/05/18	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/05/18	KCA	1 1
o-Xylene	0.254	0.230	0.230	1.10	1.00	1.00	04/05/18	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	04/05/18	KCA	1 1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/05/18	KCA	1 1
Styrene	ND	0.235	0.235	ND	1.00	1.00	04/05/18	KCA	1
Tetrachloroethene	0.079	0.037	0.037	0.54	0.25	0.25	04/05/18	KCA	1
Tetrahydrofuran	0.446	0.339	0.339	1.31	1.00	1.00	04/05/18	KCA	1 1
Toluene	1.50	0.266	0.266	5.65	1.00	1.00	04/05/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	04/05/18	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/05/18	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	04/05/18	KCA	1
Trichlorofluoromethane	ND	0.178	0.178	ND	1.00	1.00	04/05/18	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	04/05/18	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	04/05/18	KCA	1
QA/QC Surrogates									
% Bromofluorobenzene	96	%	%	96	%	%	04/05/18	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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Phyllis Shiller, Laboratory Director

April 09, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Monday, April 09, 2018

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCA12804 - EBC

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

*** No Data to Display ***

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

CHAIN OF CUSTODY RECORD
AIR ANALYSES
 800-827-5426
 email: greg@phoenixlabs.com



P.O. # _____ Page | of |
 Data Delivery: Fax #: _____
 Email: File
 Phone #: _____

Report to: Kevin Waters
 Customer: EBC
 Address: _____
 Invoice to: EBC
 Project Name: 1118 Westchester Avenue Bronx
 Requested Deliverable: RCP ASP CAT B
 MCP NJ Deliverables
 State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	THIS SECTION FOR LAF USE ONLY				Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	MATRIX			
								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)
12804	IA Celler	11287	6.0	-30	-2	5383	10.8				11:59	19:59	4-2-18	-30	-4	X				X
12805	SSI	13635			-4	5256				12:03	20:01	4-2-18	-30	-6		X				X
12806	IA First Floor	19854			-4	5355				11:13	19:28	4-2-18	-30	-7		X				X
12807	IA Second Floor	23326			-2	5405				11:22	19:15	4-2-18	-29	-5		X				X

Relinquished by: Thomas Gallo Date: 4-3-18
 Accepted by: S. Churn Date: 4-3-18
 Data Format: Excel PDF Other: _____
 Equis GISKey

SPECIAL INSTRUCTIONS, REQUIREMENTS, REGULATORY INFORMATION:
 Requested Criteria: _____
 Quote Number: _____
 Signature: _____ Date: _____
 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.

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P.O. # _____ of _____
 Page _____ of _____
 Data Delivery:
 Fax #:
 Email:
 Phone #:



Report to: Kevin Waters
 Customer: EBC
 Address: _____
 Invoice to: EBC
 Project Name: Retrieved Samplers unused
 Requested Deliverable: RCP ASP CAT B
 MCP NJ Deliverables
 State where samples collected: _____

Phoenix ID #	Client Sample ID	THIS SECTION FOR LAB USE ONLY					Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	Matrix	ANALYSES
		Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #								
	<u>Did Not Use</u>	<u>23343</u>												
		<u>Q1339</u>				<u>5041</u>								
		<u>19165</u>				<u>3410</u>								
		<u>13649</u>				<u>5520</u>								
		<u>Q1365</u>				<u>3219</u>								
						<u>3504</u>								

Requested by: [Signature]
 Date: 4-3-18
 Time: 12:00
 Data Format: Excel PDF
 Equis Other:
 GISKey
 Accepted by: [Signature]
 Date: 4-3-18
 Time: 15:33
 Requested Criteria: _____
 Quote Number: _____
 Signature: _____
 Date: _____

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.



Thursday, April 05, 2018

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

Project ID: 1120 WESTCHESTER AVE., BRONX
Sample ID#s: CA12796 - CA12799

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

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

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

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

Sincerely yours,

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

Phyllis Shiller
Laboratory Director

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

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



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



SDG Comments

April 05, 2018

SDG I.D.: GCA12796

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

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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



Analysis Report

April 05, 2018

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 19786

Custody Information

Collected by: DR
 Received by: LB
 Analyzed by: see "By" below

Date: 04/02/18 17:53
 04/03/18 15:33

Laboratory Data

SDG ID: GCA12796
 Phoenix ID: CA12796

Project ID: 1120 WESTCHESTER AVE., BRONX
 Client ID: 1A FIRST FLOOR

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/04/18	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/04/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/04/18	KCA	1	
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/04/18	KCA	1	
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/04/18	KCA	1	
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/04/18	KCA	1	
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	04/04/18	KCA	1	
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/04/18	KCA	1	
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	04/04/18	KCA	1	
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1	
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	04/04/18	KCA	1	
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1	
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1	
Acetone	3.30	S 0.421	0.421	7.83	1.00	1.00	04/04/18	KCA	1	
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	04/04/18	KCA	1	
Benzene	ND	0.313	0.313	ND	1.00	1.00	04/04/18	KCA	1	
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	04/04/18	KCA	1	

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	04/04/18	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	04/04/18	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	04/04/18	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	04/04/18	KCA	1
Carbon Tetrachloride	0.068	0.032	0.032	0.43	0.20	0.20	04/04/18	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	04/04/18	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	04/04/18	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	04/04/18	KCA	1
Chloromethane	0.589	0.485	0.485	1.22	1.00	1.00	04/04/18	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/04/18	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/04/18	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	04/04/18	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	04/04/18	KCA	1
Dichlorodifluoromethane	0.419	0.202	0.202	2.07	1.00	1.00	04/04/18	KCA	1
Ethanol	10.6	0.531	0.531	20.0	1.00	1.00	04/04/18	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	04/04/18	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	04/04/18	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	04/04/18	KCA	1
Isopropylalcohol	1.26	0.407	0.407	3.10	1.00	1.00	04/04/18	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1
m,p-Xylene	0.239	0.230	0.230	1.04	1.00	1.00	04/04/18	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	04/04/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	04/04/18	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	04/04/18	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	04/04/18	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	04/04/18	KCA	1
Tetrachloroethene	0.107	0.037	0.037	0.73	0.25	0.25	04/04/18	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	04/04/18	KCA	1
Toluene	0.421	0.266	0.266	1.59	1.00	1.00	04/04/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	04/04/18	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/04/18	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	04/04/18	KCA	1
Trichlorofluoromethane	0.195	0.178	0.178	1.09	1.00	1.00	04/04/18	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	04/04/18	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	04/04/18	KCA	1
QA/QC Surrogates									
% Bromofluorobenzene	96	%	%	96	%	%	04/04/18	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

April 05, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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

Analysis Report

April 05, 2018

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 12868

Custody Information

Collected by: DR
 Received by: LB
 Analyzed by: see "By" below

Date: 04/02/18 17:58
 04/03/18 15:33

Laboratory Data

SDG ID: GCA12796
 Phoenix ID: CA12797

Project ID: 1120 WESTCHESTER AVE., BRONX
 Client ID: 1A SECOND FLOOR

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/04/18	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/04/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/04/18	KCA	1	
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/04/18	KCA	1	
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/04/18	KCA	1	
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/04/18	KCA	1	
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	04/04/18	KCA	1	
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/04/18	KCA	1	
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	04/04/18	KCA	1	
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1	
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	04/04/18	KCA	1	
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1	
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1	
Acetone	6.21	0.421	0.421	14.7	1.00	1.00	04/04/18	KCA	1	
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	04/04/18	KCA	1	
Benzene	ND	0.313	0.313	ND	1.00	1.00	04/04/18	KCA	1	
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	04/04/18	KCA	1	

Client ID: 1A SECOND FLOOR

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	04/04/18	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	04/04/18	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	04/04/18	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	04/04/18	KCA	1
Carbon Tetrachloride	0.072	0.032	0.032	0.45	0.20	0.20	04/04/18	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	04/04/18	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	04/04/18	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	04/04/18	KCA	1
Chloromethane	0.668	0.485	0.485	1.38	1.00	1.00	04/04/18	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/04/18	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/04/18	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	04/04/18	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	04/04/18	KCA	1
Dichlorodifluoromethane	0.462	0.202	0.202	2.28	1.00	1.00	04/04/18	KCA	1
Ethanol	142	E 0.531	0.531	267	1.00	1.00	04/04/18	KCA	1
Ethyl acetate	0.524	0.278	0.278	1.89	1.00	1.00	04/04/18	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	04/04/18	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	04/04/18	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	04/04/18	KCA	1
Isopropylalcohol	27.3	0.407	0.407	67.1	1.00	1.00	04/04/18	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1
m,p-Xylene	0.273	0.230	0.230	1.18	1.00	1.00	04/04/18	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	04/04/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	04/04/18	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	04/04/18	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	04/04/18	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	04/04/18	KCA	1
Tetrachloroethene	0.153	0.037	0.037	1.04	0.25	0.25	04/04/18	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	04/04/18	KCA	1
Toluene	0.503	0.266	0.266	1.89	1.00	1.00	04/04/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	04/04/18	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/04/18	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	04/04/18	KCA	1
Trichlorofluoromethane	0.234	0.178	0.178	1.31	1.00	1.00	04/04/18	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	04/04/18	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	04/04/18	KCA	1
QA/QC Surrogates									
% Bromofluorobenzene	94	%	%	94	%	%	04/04/18	KCA	1

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

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

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Phyllis Shiller, Laboratory Director

April 05, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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

Analysis Report

April 05, 2018

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 460

Custody Information

Collected by: DR
 Received by: LB
 Analyzed by: see "By" below

Date: 04/02/18 17:45
 04/03/18 15:33

Laboratory Data

SDG ID: GCA12796
 Phoenix ID: CA12798

Project ID: 1120 WESTCHESTER AVE., BRONX
 Client ID: 1A CELLAR

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/04/18	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/04/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/04/18	KCA	1	
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/04/18	KCA	1	
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/04/18	KCA	1	
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/04/18	KCA	1	
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	04/04/18	KCA	1	
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/04/18	KCA	1	
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	04/04/18	KCA	1	
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1	
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	04/04/18	KCA	1	
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1	
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1	
Acetone	2.98	S 0.421	0.421	7.07	1.00	1.00	04/04/18	KCA	1	
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	04/04/18	KCA	1	
Benzene	ND	0.313	0.313	ND	1.00	1.00	04/04/18	KCA	1	
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	04/04/18	KCA	1	

Client ID: 1A CELLAR

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	04/04/18	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	04/04/18	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	04/04/18	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	04/04/18	KCA	1
Carbon Tetrachloride	0.067	0.032	0.032	0.42	0.20	0.20	04/04/18	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	04/04/18	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	04/04/18	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	04/04/18	KCA	1
Chloromethane	0.578	0.485	0.485	1.19	1.00	1.00	04/04/18	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/04/18	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/04/18	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	04/04/18	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	04/04/18	KCA	1
Dichlorodifluoromethane	0.443	0.202	0.202	2.19	1.00	1.00	04/04/18	KCA	1
Ethanol	11.7	0.531	0.531	22.0	1.00	1.00	04/04/18	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	04/04/18	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	04/04/18	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	04/04/18	KCA	1
Isopropylalcohol	1.49	0.407	0.407	3.66	1.00	1.00	04/04/18	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1
m,p-Xylene	0.244	0.230	0.230	1.06	1.00	1.00	04/04/18	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	04/04/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	04/04/18	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	04/04/18	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	04/04/18	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	04/04/18	KCA	1
Tetrachloroethene	0.240	0.037	0.037	1.63	0.25	0.25	04/04/18	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	04/04/18	KCA	1
Toluene	0.399	0.266	0.266	1.50	1.00	1.00	04/04/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	04/04/18	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/04/18	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	04/04/18	KCA	1
Trichlorofluoromethane	0.196	0.178	0.178	1.10	1.00	1.00	04/04/18	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	04/04/18	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	04/04/18	KCA	1
QA/QC Surrogates									
% Bromofluorobenzene	94	%	%	94	%	%	04/04/18	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

April 05, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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

Analysis Report

April 05, 2018

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 470

Custody Information

Collected by: DR
 Received by: LB
 Analyzed by: see "By" below

Date: 04/02/18 17:49
 04/03/18 15:33

Laboratory Data

SDG ID: GCA12796
 Phoenix ID: CA12799

Project ID: 1120 WESTCHESTER AVE., BRONX
 Client ID: OA 1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/04/18	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/04/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/04/18	KCA	1	
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/04/18	KCA	1	
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/04/18	KCA	1	
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/04/18	KCA	1	
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	04/04/18	KCA	1	
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/04/18	KCA	1	
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	04/04/18	KCA	1	
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1	
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	04/04/18	KCA	1	
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1	
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1	
Acetone	2.88	S 0.421	0.421	6.84	1.00	1.00	04/04/18	KCA	1	
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	04/04/18	KCA	1	
Benzene	ND	0.313	0.313	ND	1.00	1.00	04/04/18	KCA	1	
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	04/04/18	KCA	1	

Client ID: OA 1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	04/04/18	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	04/04/18	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	04/04/18	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	04/04/18	KCA	1
Carbon Tetrachloride	0.068	0.032	0.032	0.43	0.20	0.20	04/04/18	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	04/04/18	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	04/04/18	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	04/04/18	KCA	1
Chloromethane	0.560	0.485	0.485	1.16	1.00	1.00	04/04/18	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/04/18	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/04/18	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	04/04/18	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	04/04/18	KCA	1
Dichlorodifluoromethane	0.418	0.202	0.202	2.07	1.00	1.00	04/04/18	KCA	1
Ethanol	9.28	0.531	0.531	17.5	1.00	1.00	04/04/18	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	04/04/18	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	04/04/18	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	04/04/18	KCA	1
Isopropylalcohol	1.23	0.407	0.407	3.02	1.00	1.00	04/04/18	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1
m,p-Xylene	ND	0.230	0.230	ND	1.00	1.00	04/04/18	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	04/04/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	04/04/18	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	04/04/18	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	04/04/18	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	04/04/18	KCA	1
Tetrachloroethene	0.037	0.037	0.037	0.25	0.25	0.25	04/04/18	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	04/04/18	KCA	1
Toluene	0.333	0.266	0.266	1.25	1.00	1.00	04/04/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	04/04/18	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/04/18	KCA	1
Trichloroethene	0.193	0.037	0.037	1.04	0.20	0.20	04/04/18	KCA	1
Trichlorofluoromethane	0.192	0.178	0.178	1.08	1.00	1.00	04/04/18	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	04/04/18	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	04/04/18	KCA	1
QA/QC Surrogates									
% Bromofluorobenzene	95	%	%	95	%	%	04/04/18	KCA	1

Client ID: OA 1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

April 05, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Thursday, April 05, 2018

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCA12796 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
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*** No Data to Display ***

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



Monday, April 09, 2018

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

Project ID: 1122 WESTCHESTER AVENUE BRONX
Sample ID#s: CA12800 - CA12803

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

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

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

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

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

Phyllis Shiller
Laboratory Director

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

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



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



**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Environmental Business Consultants
Project: 1122 WESTCHESTER AVENUE BRONX
Laboratory Project: GCA12800



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



NY Analytical Services Protocol Format

April 09, 2018

SDG I.D.: GCA12800

Environmental Business Consultants 1122 WESTCHESTER AVENUE BRONX

Methodology Summary

Volatiles in Air

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

Sample Id Cross Reference

Client Id	Lab Id	Matrix
IA CELLAR	CA12800	AIR
SS2	CA12801	AIR
IA 1ST FLOOR	CA12802	AIR
SS1	CA12803	AIR



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



NY Analytical Services Protocol Format

April 09, 2018

SDG I.D.: GCA12800

Environmental Business Consultants 1122 WESTCHESTER AVENUE BRONX

Laboratory Chronicle

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CA12800	Volatiles (TO15)	04/02/18	04/04/18	04/04/18	KCA	Y
CA12801	Volatiles (TO15)	04/02/18	04/05/18	04/05/18	KCA	Y
CA12802	Volatiles (TO15)	04/02/18	04/04/18	04/04/18	KCA	Y
CA12803	Volatiles (TO15)	04/02/18	04/05/18	04/05/18	KCA	Y



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



SDG Comments

April 09, 2018

SDG I.D.: GCA12800

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

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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



Analysis Report

April 09, 2018

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 230

Custody Information

Collected by: RG
 Received by: SW
 Analyzed by: see "By" below

Date: 04/02/18 18:04
 04/03/18 15:33

Laboratory Data

SDG ID: GCA12800
 Phoenix ID: CA12800

Project ID: 1122 WESTCHESTER AVENUE BRONX
 Client ID: IA CELLAR

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/04/18	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/04/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/04/18	KCA	1	
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/04/18	KCA	1	
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/04/18	KCA	1	
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/04/18	KCA	1	
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	04/04/18	KCA	1	
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/04/18	KCA	1	
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	04/04/18	KCA	1	
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1	
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	04/04/18	KCA	1	
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1	
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1	
Acetone	6.10	0.421	0.421	14.5	1.00	1.00	04/04/18	KCA	1	
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	04/04/18	KCA	1	
Benzene	ND	0.313	0.313	ND	1.00	1.00	04/04/18	KCA	1	
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	04/04/18	KCA	1	

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	04/04/18	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	04/04/18	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	04/04/18	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	04/04/18	KCA	1
Carbon Tetrachloride	0.069	0.032	0.032	0.43	0.20	0.20	04/04/18	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	04/04/18	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	04/04/18	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	04/04/18	KCA	1
Chloromethane	0.589	0.485	0.485	1.22	1.00	1.00	04/04/18	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/04/18	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/04/18	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	04/04/18	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	04/04/18	KCA	1
Dichlorodifluoromethane	0.420	0.202	0.202	2.08	1.00	1.00	04/04/18	KCA	1
Ethanol	9.46	0.531	0.531	17.8	1.00	1.00	04/04/18	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	04/04/18	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	04/04/18	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	04/04/18	KCA	1
Isopropylalcohol	1.62	0.407	0.407	3.98	1.00	1.00	04/04/18	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1
m,p-Xylene	0.293	0.230	0.230	1.27	1.00	1.00	04/04/18	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	04/04/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	04/04/18	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	04/04/18	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	04/04/18	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	04/04/18	KCA	1
Tetrachloroethene	0.077	0.037	0.037	0.52	0.25	0.25	04/04/18	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	04/04/18	KCA	1
Toluene	0.462	0.266	0.266	1.74	1.00	1.00	04/04/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	04/04/18	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/04/18	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	04/04/18	KCA	1
Trichlorofluoromethane	0.194	0.178	0.178	1.09	1.00	1.00	04/04/18	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	04/04/18	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	04/04/18	KCA	1
QA/QC Surrogates									
% Bromofluorobenzene	96	%	%	96	%	%	04/04/18	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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Phyllis Shiller, Laboratory Director

April 09, 2018

Reviewed and Released by: Sarah Bell, Project Manager



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

Analysis Report

April 09, 2018

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 12858

Custody Information

Collected by: RG
 Received by: SW
 Analyzed by: see "By" below

Date: 04/02/18 18:10
 04/03/18 15:33

Laboratory Data

SDG ID: GCA12800
 Phoenix ID: CA12801

Project ID: 1122 WESTCHESTER AVENUE BRONX
 Client ID: SS2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/04/18	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/04/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/04/18	KCA	1	
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/04/18	KCA	1	
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/04/18	KCA	1	
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/04/18	KCA	1	
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	04/04/18	KCA	1	
1,2,4-Trimethylbenzene	0.687	0.204	0.204	3.38	1.00	1.00	04/04/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/04/18	KCA	1	
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	04/04/18	KCA	1	
1,3,5-Trimethylbenzene	0.216	0.204	0.204	1.06	1.00	1.00	04/04/18	KCA	1	
1,3-Butadiene	1.17	0.452	0.452	2.59	1.00	1.00	04/04/18	KCA	1	
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1	
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1	1
4-Ethyltoluene	0.469	0.204	0.204	2.30	1.00	1.00	04/04/18	KCA	1	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1	
Acetone	74.1	2.11	2.11	176	5.01	5.01	04/05/18	KCA	5	
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	04/04/18	KCA	1	
Benzene	0.582	0.313	0.313	1.86	1.00	1.00	04/04/18	KCA	1	
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	04/04/18	KCA	1	

Client ID: SS2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	04/04/18	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	04/04/18	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	04/04/18	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	04/04/18	KCA	1
Carbon Tetrachloride	0.073	0.032	0.032	0.46	0.20	0.20	04/04/18	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	04/04/18	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	04/04/18	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	04/04/18	KCA	1
Chloromethane	0.513	0.485	0.485	1.06	1.00	1.00	04/04/18	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/04/18	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/04/18	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	04/04/18	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	04/04/18	KCA	1
Dichlorodifluoromethane	0.440	0.202	0.202	2.17	1.00	1.00	04/04/18	KCA	1
Ethanol	70.1	2.66	2.66	132	5.01	5.01	04/05/18	KCA	5
Ethyl acetate	1.07	0.278	0.278	3.85	1.00	1.00	04/04/18	KCA	1
Ethylbenzene	0.278	0.230	0.230	1.21	1.00	1.00	04/04/18	KCA	1
Heptane	0.756	0.244	0.244	3.10	1.00	1.00	04/04/18	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	04/04/18	KCA	1
Hexane	0.321	S 0.284	0.284	1.13	1.00	1.00	04/04/18	KCA	1
Isopropylalcohol	45.5	2.04	2.04	112	5.01	5.01	04/05/18	KCA	5
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1
m,p-Xylene	0.879	0.230	0.230	3.81	1.00	1.00	04/04/18	KCA	1
Methyl Ethyl Ketone	32.8	0.339	0.339	96.7	1.00	1.00	04/04/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	04/04/18	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1
o-Xylene	0.850	0.230	0.230	3.69	1.00	1.00	04/04/18	KCA	1
Propylene	10.8	0.581	0.581	18.6	1.00	1.00	04/04/18	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	04/04/18	KCA	1
Tetrachloroethene	14.9	0.037	0.037	101	0.25	0.25	04/04/18	KCA	1
Tetrahydrofuran	35.3	1.70	1.70	104	5.01	5.01	04/05/18	KCA	5
Toluene	2.60	0.266	0.266	9.8	1.00	1.00	04/04/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	04/04/18	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/04/18	KCA	1
Trichloroethene	0.064	0.037	0.037	0.34	0.20	0.20	04/04/18	KCA	1
Trichlorofluoromethane	0.228	0.178	0.178	1.28	1.00	1.00	04/04/18	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	04/04/18	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	04/04/18	KCA	1
QA/QC Surrogates									
% Bromofluorobenzene	102	%	%	102	%	%	04/04/18	KCA	1

Client ID: SS2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

April 09, 2018

Reviewed and Released by: Sarah Bell, Project Manager



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

Analysis Report

April 09, 2018

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 123336

Custody Information

Collected by: RG
 Received by: SW
 Analyzed by: see "By" below

Date: 04/02/18 18:03
 04/03/18 15:33

Laboratory Data

SDG ID: GCA12800
 Phoenix ID: CA12802

Project ID: 1122 WESTCHESTER AVENUE BRONX
 Client ID: IA 1ST FLOOR

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/04/18	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/04/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/04/18	KCA	1	
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/04/18	KCA	1	
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/04/18	KCA	1	
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/04/18	KCA	1	
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	04/04/18	KCA	1	
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/04/18	KCA	1	
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	04/04/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	04/04/18	KCA	1	
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1	
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	04/04/18	KCA	1	
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1	
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1	
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1	
Acetone	7.72	0.421	0.421	18.3	1.00	1.00	04/04/18	KCA	1	
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	04/04/18	KCA	1	
Benzene	ND	0.313	0.313	ND	1.00	1.00	04/04/18	KCA	1	
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	04/04/18	KCA	1	

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	04/04/18	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	04/04/18	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	04/04/18	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	04/04/18	KCA	1
Carbon Tetrachloride	0.064	0.032	0.032	0.40	0.20	0.20	04/04/18	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	04/04/18	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	04/04/18	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	04/04/18	KCA	1
Chloromethane	0.557	0.485	0.485	1.15	1.00	1.00	04/04/18	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/04/18	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/04/18	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	04/04/18	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	04/04/18	KCA	1
Dichlorodifluoromethane	0.409	0.202	0.202	2.02	1.00	1.00	04/04/18	KCA	1
Ethanol	69.9	E 0.531	0.531	132	1.00	1.00	04/04/18	KCA	1 1
Ethyl acetate	0.449	0.278	0.278	1.62	1.00	1.00	04/04/18	KCA	1 1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	04/04/18	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	04/04/18	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	04/04/18	KCA	1
Isopropylalcohol	2.39	0.407	0.407	5.87	1.00	1.00	04/04/18	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1
m,p-Xylene	0.375	0.230	0.230	1.63	1.00	1.00	04/04/18	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	04/04/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	04/04/18	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1 1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	04/04/18	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	04/04/18	KCA	1 1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1 1
Styrene	ND	0.235	0.235	ND	1.00	1.00	04/04/18	KCA	1
Tetrachloroethene	0.051	0.037	0.037	0.35	0.25	0.25	04/04/18	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	04/04/18	KCA	1 1
Toluene	0.655	0.266	0.266	2.47	1.00	1.00	04/04/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	04/04/18	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/04/18	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	04/04/18	KCA	1
Trichlorofluoromethane	0.189	0.178	0.178	1.06	1.00	1.00	04/04/18	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	04/04/18	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	04/04/18	KCA	1
QA/QC Surrogates									
% Bromofluorobenzene	95	%	%	95	%	%	04/04/18	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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Phyllis Shiller, Laboratory Director

April 09, 2018

Reviewed and Released by: Sarah Bell, Project Manager



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

Analysis Report

April 09, 2018

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 23330

Custody Information

Collected by: RG
 Received by: SW
 Analyzed by: see "By" below

Date: 04/02/18 18:08
 04/03/18 15:33

Laboratory Data

SDG ID: GCA12800
 Phoenix ID: CA12803

Project ID: 1122 WESTCHESTER AVENUE BRONX
 Client ID: SS1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/04/18	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/04/18	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	04/04/18	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	04/04/18	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/04/18	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/04/18	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	04/04/18	KCA	1
1,2,4-Trimethylbenzene	0.587	0.204	0.204	2.88	1.00	1.00	04/04/18	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	04/04/18	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	04/04/18	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	04/04/18	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	04/04/18	KCA	1
1,3,5-Trimethylbenzene	0.217	0.204	0.204	1.07	1.00	1.00	04/04/18	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	04/04/18	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	04/04/18	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1
4-Ethyltoluene	0.432	0.204	0.204	2.12	1.00	1.00	04/04/18	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	04/04/18	KCA	1
Acetone	46.1	2.11	2.11	109	5.01	5.01	04/05/18	KCA	5
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	04/04/18	KCA	1
Benzene	0.340	0.313	0.313	1.09	1.00	1.00	04/04/18	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	04/04/18	KCA	1

Client ID: SS1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	04/04/18	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	04/04/18	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	04/04/18	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	04/04/18	KCA	1
Carbon Tetrachloride	0.060	0.032	0.032	0.38	0.20	0.20	04/04/18	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	04/04/18	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	04/04/18	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	04/04/18	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	04/04/18	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	04/04/18	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/04/18	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	04/04/18	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	04/04/18	KCA	1
Dichlorodifluoromethane	0.394	0.202	0.202	1.95	1.00	1.00	04/04/18	KCA	1
Ethanol	34.0	2.66	2.66	64.0	5.01	5.01	04/05/18	KCA	5
Ethyl acetate	2.69	0.278	0.278	9.7	1.00	1.00	04/04/18	KCA	1
Ethylbenzene	0.243	0.230	0.230	1.05	1.00	1.00	04/04/18	KCA	1
Heptane	1.19	0.244	0.244	4.87	1.00	1.00	04/04/18	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	04/04/18	KCA	1
Hexane	0.307	S 0.284	0.284	1.08	1.00	1.00	04/04/18	KCA	1
Isopropylalcohol	57.7	2.04	2.04	142	5.01	5.01	04/05/18	KCA	5
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	04/04/18	KCA	1
m,p-Xylene	0.833	0.230	0.230	3.61	1.00	1.00	04/04/18	KCA	1
Methyl Ethyl Ketone	21.3	0.339	0.339	62.8	1.00	1.00	04/04/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	04/04/18	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	04/04/18	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1
o-Xylene	0.485	0.230	0.230	2.10	1.00	1.00	04/04/18	KCA	1
Propylene	2.80	0.581	0.581	4.82	1.00	1.00	04/04/18	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	04/04/18	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	04/04/18	KCA	1
Tetrachloroethene	39.0	0.037	0.037	264	0.25	0.25	04/04/18	KCA	1
Tetrahydrofuran	15.9	0.339	0.339	46.9	1.00	1.00	04/04/18	KCA	1
Toluene	2.44	0.266	0.266	9.19	1.00	1.00	04/04/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	04/04/18	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	04/04/18	KCA	1
Trichloroethene	0.125	0.037	0.037	0.67	0.20	0.20	04/04/18	KCA	1
Trichlorofluoromethane	0.194	0.178	0.178	1.09	1.00	1.00	04/04/18	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	04/04/18	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	04/04/18	KCA	1
QA/QC Surrogates									
% Bromofluorobenzene	101	%	%	101	%	%	04/04/18	KCA	1

Client ID: SS1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

If 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

April 09, 2018

Reviewed and Released by: Sarah Bell, Project Manager



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



QA/QC Report

April 09, 2018

QA/QC Data

SDG I.D.: GCA12800

Parameter	Blk		Blk		LCS	Sample Result	Sample Dup	Sample Result	Sample Dup	DUP	% Rec	% RPD
	RL	ppbv	Blk	RL								

QA/QC Batch 425217 (ppbv), QC Sample No: CA12807 (CA12800, CA12801 (1X, 5X) , CA12802, CA12803 (1X, 5X))

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	103	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	95	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	115	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	112	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	96	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	97	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	111	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	107	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	110	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	98	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	118	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	99	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	106	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	107	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	120	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	125	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	97	1.46	1.47	0.267	0.268	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	124	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	92	ND	ND	ND	ND	NC	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	95	3.29	3.07	1.03	0.963	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	99	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	117	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	96	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	96	0.47	0.45	0.074	0.071	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	110	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	98	7.76	7.47	1.59	1.53	3.8	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	100	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	100	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	114	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	103	1.72	1.66	0.348	0.336	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	119	1720	1710	915	908	0.8	70 - 130	25

QA/QC Data

SDG I.D.: GCA12800

Parameter	Blk		Blk		LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
	RL ppbv	ppbv	ug/m3	RL ug/m3								
Ethyl acetate	ND	0.280	ND	1.01	105	4.18	4.03	1.16	1.12	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	109	1.08	1.04	0.250	0.240	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	114	1.50	1.39	0.366	0.340	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	95	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	100	305	292	124	119	4.1	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	173	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	114	3.28	3.36	0.756	0.774	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	101	4.54	4.27	1.54	1.45	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	100	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	94	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	99	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	116	1.10	1.11	0.254	0.255	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	98	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	114	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	113	0.54	0.54	0.079	0.080	NC	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	96	1.31	1.29	0.446	0.436	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	117	5.65	5.61	1.50	1.49	0.7	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	99	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	112	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	97	ND	ND	ND	ND	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	97	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	111		111		96	96	94	96	94	NC	70 - 130	25

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

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

RPD - Relative Percent Difference

LCS - Laboratory Control Sample


LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference


Phyllis Shiller, Laboratory Director
April 09, 2018

Monday, April 09, 2018

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCA12800 - EBC

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

*** No Data to Display ***

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

CHAIN OF CUSTODY RECORD
AIR ANALYSES
 800-827-5426
 email: greg@phoenixlabs.com



P.O. # _____ Page _____ of _____
 Data Delivery: _____
 Fax #: _____
 Email: File
 Phone #: _____

Report to: Kevin Waters
 Customer: EBC
 Address: _____

Invoice to: EBC
 Project Name: 1122 Westchester Avenue Bronx
 Requested Deliverable: RCP ASP CAT B
 MCP NJ Deliverables
 State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	THIS SECTION FOR LAB USE ONLY				Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	MATRIX		
				Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)							Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)
12800	IA 1st Floor	230	6.0	-30	-5	4487	10.8	10:35	18:09	4/2/18	-30	-5	X			X
12801	SS2	12858			-5	5391		10:20	18:10	4/2/18	-30	-2	X			X
12802	IA 2nd Floor	2336			-1	5539		10:41	18:03	4/2/18	-27	-4	X			X
12803	SS1	23330			0	5699		10:30	18:08	4/2/18	-28	-2	X			X

Relinquished by: Ray Sullivan Accepted by: S. Orange
 Date: 4-3-18 Date: 4-3-18
 Time: 12:00 Time: 15:33
 Data Format: Excel PDF Other: _____
 Equis GISKey

Requested Criteria: _____
 Quote Number: _____
 Signature: _____ Date: _____

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.

Sarah Bell

From: Kevin Waters <kwaters@ebcincny.com>
Sent: Monday, April 09, 2018 1:12 PM
To: Sarah Bell
Cc: 'tgallo'
Subject: Sample ID Change

Sarah,

Can you change two of the sample IDs for Lab Group GCA12800.

CA12800 - IA 1ST FLOOR - should now be IA Cellar

CA12802 - IA 2ND FLOOR - should now be IA 1st Floor

Thank you,

Kevin Waters
Project Manager

EBC

Environmental Business Consultants

Ph: 631.504.6000

Fax: 631.924.2870

Cell: 516.287.9023

kwaters@ebcincny.com



Tuesday, November 14, 2017

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

Project ID: 1122 WESTCHESTER AVE BRONX
Sample ID#s: BZ38838 - BZ38842

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

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

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

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

Sincerely yours,

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

Phyllis Shiller
Laboratory Director

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

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



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



SDG Comments

November 14, 2017

SDG I.D.: GBZ38838

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

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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

Analysis Report
 November 14, 2017

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 11285

Custody Information

Collected by: TG/ME
 Received by: B
 Analyzed by: see "By" below

Date Time
 11/08/17 18:50
 11/09/17 15:45

Laboratory Data

SDG ID: GBZ38838
 Phoenix ID: BZ38838

Project ID: 1122 WESTCHESTER AVE BRONX
 Client ID: SS1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
<u>Volatiles (TO15)</u>										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	11/10/17	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	11/10/17	KCA	1	
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	11/10/17	KCA	1	
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	11/10/17	KCA	1	
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	11/10/17	KCA	1	
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	11/10/17	KCA	1	
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	11/10/17	KCA	1	
1,2,4-Trimethylbenzene	18.0	0.204	0.204	88.4	1.00	1.00	11/10/17	KCA	1	
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	11/10/17	KCA	1	
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	11/10/17	KCA	1	
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	11/10/17	KCA	1	
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	11/10/17	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	11/10/17	KCA	1	
1,3,5-Trimethylbenzene	5.34	0.204	0.204	26.2	1.00	1.00	11/10/17	KCA	1	
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	11/10/17	KCA	1	
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	11/10/17	KCA	1	
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	11/10/17	KCA	1	
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	11/10/17	KCA	1	
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	11/10/17	KCA	1	1
4-Ethyltoluene	5.75	0.204	0.204	28.2	1.00	1.00	11/10/17	KCA	1	1
4-Isopropyltoluene	0.338	0.182	0.182	1.85	1.00	1.00	11/10/17	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	11/10/17	KCA	1	
Acetone	19.7	0.421	0.421	46.8	1.00	1.00	11/10/17	KCA	1	
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	11/10/17	KCA	1	
Benzene	3.91	0.313	0.313	12.5	1.00	1.00	11/10/17	KCA	1	
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	11/10/17	KCA	1	

Client ID: SS1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	11/10/17	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	11/10/17	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	11/10/17	KCA	1
Carbon Disulfide	0.586	0.321	0.321	1.82	1.00	1.00	11/10/17	KCA	1
Carbon Tetrachloride	ND	0.032	0.032	ND	0.20	0.20	11/10/17	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	11/10/17	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	11/10/17	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	11/10/17	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	11/10/17	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	11/10/17	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	11/10/17	KCA	1
Cyclohexane	1.13	0.291	0.291	3.89	1.00	1.00	11/10/17	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	11/10/17	KCA	1
Dichlorodifluoromethane	0.461	0.202	0.202	2.28	1.00	1.00	11/10/17	KCA	1
Ethanol	50.1	E 0.531	0.531	94.3	1.00	1.00	11/10/17	KCA	1
Ethyl acetate	0.339	0.278	0.278	1.22	1.00	1.00	11/10/17	KCA	1
Ethylbenzene	20.9	0.230	0.230	90.7	1.00	1.00	11/10/17	KCA	1
Heptane	4.11	0.244	0.244	16.8	1.00	1.00	11/10/17	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	11/10/17	KCA	1
Hexane	3.85	0.284	0.284	13.6	1.00	1.00	11/10/17	KCA	1
Isopropylalcohol	0.475	0.407	0.407	1.17	1.00	1.00	11/10/17	KCA	1
Isopropylbenzene	3.89	0.204	0.204	19.1	1.00	1.00	11/10/17	KCA	1
m,p-Xylene	75.1	0.230	0.230	326	1.00	1.00	11/10/17	KCA	1
Methyl Ethyl Ketone	1.44	0.339	0.339	4.24	1.00	1.00	11/10/17	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	11/10/17	KCA	1
Methylene Chloride	1.02	S 0.864	0.864	3.54	3.00	3.00	11/10/17	KCA	1
n-Butylbenzene	1.04	0.182	0.182	5.71	1.00	1.00	11/10/17	KCA	1
o-Xylene	22.2	0.230	0.230	96.3	1.00	1.00	11/10/17	KCA	1
Propylene	32.5	0.581	0.581	55.9	1.00	1.00	11/10/17	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	11/10/17	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	11/10/17	KCA	1
Tetrachloroethene	449	1.11	1.11	3040	7.52	7.52	11/10/17	KCA	30
Tetrahydrofuran	0.483	0.339	0.339	1.42	1.00	1.00	11/10/17	KCA	1
Toluene	89.9	7.97	7.97	339	30.0	30.0	11/10/17	KCA	30
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	11/10/17	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	11/10/17	KCA	1
Trichloroethene	0.628	0.037	0.037	3.37	0.20	0.20	11/10/17	KCA	1
Trichlorofluoromethane	0.225	0.178	0.178	1.26	1.00	1.00	11/10/17	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	11/10/17	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	11/10/17	KCA	1
QA/QC Surrogates									
% Bromofluorobenzene	103	%	%	103	%	%	11/10/17	KCA	1

Client ID: SS1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

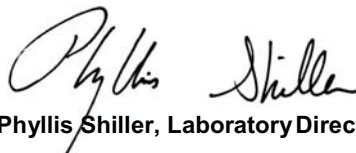
Comments:

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

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

November 14, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report
 November 14, 2017

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 12868

Custody Information

Collected by: TG/ME
 Received by: B
 Analyzed by: see "By" below

Date Time
 11/08/17 18:55
 11/09/17 15:45

Laboratory Data

SDG ID: GBZ38838
 Phoenix ID: BZ38839

Project ID: 1122 WESTCHESTER AVE BRONX
 Client ID: SS2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	11/10/17	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	11/10/17	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	11/10/17	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	11/10/17	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	11/10/17	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	11/10/17	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	11/10/17	KCA	1
1,2,4-Trimethylbenzene	20.4	0.204	0.204	100	1.00	1.00	11/10/17	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	11/10/17	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	11/10/17	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	11/10/17	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	11/10/17	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	11/10/17	KCA	1
1,3,5-Trimethylbenzene	6.27	0.204	0.204	30.8	1.00	1.00	11/10/17	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	11/10/17	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	11/10/17	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	11/10/17	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	11/10/17	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	11/10/17	KCA	1
4-Ethyltoluene	6.58	0.204	0.204	32.3	1.00	1.00	11/10/17	KCA	1
4-Isopropyltoluene	0.427	0.182	0.182	2.34	1.00	1.00	11/10/17	KCA	1
4-Methyl-2-pentanone(MIBK)	0.254	0.244	0.244	1.04	1.00	1.00	11/10/17	KCA	1
Acetone	18.0	0.421	0.421	42.7	1.00	1.00	11/10/17	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	11/10/17	KCA	1
Benzene	2.20	0.313	0.313	7.02	1.00	1.00	11/10/17	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	11/10/17	KCA	1

Client ID: SS2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	11/10/17	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	11/10/17	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	11/10/17	KCA	1
Carbon Disulfide	0.524	0.321	0.321	1.63	1.00	1.00	11/10/17	KCA	1
Carbon Tetrachloride	ND	0.032	0.032	ND	0.20	0.20	11/10/17	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	11/10/17	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	11/10/17	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	11/10/17	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	11/10/17	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	11/10/17	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	11/10/17	KCA	1
Cyclohexane	0.863	0.291	0.291	2.97	1.00	1.00	11/10/17	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	11/10/17	KCA	1
Dichlorodifluoromethane	0.455	0.202	0.202	2.25	1.00	1.00	11/10/17	KCA	1
Ethanol	53.8	15.9	15.9	101	29.9	29.9	11/13/17	KCA	30
Ethyl acetate	0.429	0.278	0.278	1.54	1.00	1.00	11/10/17	KCA	1
Ethylbenzene	25.8	0.230	0.230	112	1.00	1.00	11/10/17	KCA	1
Heptane	3.23	0.244	0.244	13.2	1.00	1.00	11/10/17	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	11/10/17	KCA	1
Hexane	2.30	S 0.284	0.284	8.10	1.00	1.00	11/10/17	KCA	1
Isopropylalcohol	ND	0.407	0.407	ND	1.00	1.00	11/10/17	KCA	1
Isopropylbenzene	7.85	0.204	0.204	38.6	1.00	1.00	11/10/17	KCA	1
m,p-Xylene	92.3	6.91	6.91	401	30.0	30.0	11/13/17	KCA	30
Methyl Ethyl Ketone	1.25	0.339	0.339	3.68	1.00	1.00	11/10/17	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	11/10/17	KCA	1
Methylene Chloride	0.950	S 0.864	0.864	3.30	3.00	3.00	11/10/17	KCA	1
n-Butylbenzene	1.20	0.182	0.182	6.58	1.00	1.00	11/10/17	KCA	1
o-Xylene	30.0	0.230	0.230	130	1.00	1.00	11/10/17	KCA	1
Propylene	9.16	0.581	0.581	15.8	1.00	1.00	11/10/17	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	11/10/17	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	11/10/17	KCA	1
Tetrachloroethene	547	1.11	1.11	3710	7.52	7.52	11/13/17	KCA	30
Tetrahydrofuran	0.763	0.339	0.339	2.25	1.00	1.00	11/10/17	KCA	1
Toluene	78.8	7.97	7.97	297	30.0	30.0	11/13/17	KCA	30
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	11/10/17	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	11/10/17	KCA	1
Trichloroethene	0.747	0.037	0.037	4.01	0.20	0.20	11/10/17	KCA	1
Trichlorofluoromethane	0.193	0.178	0.178	1.08	1.00	1.00	11/10/17	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	11/10/17	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	11/10/17	KCA	1
QA/QC Surrogates									
% Bromofluorobenzene	101	%	%	101	%	%	11/10/17	KCA	1

Client ID: SS2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

November 14, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report
 November 14, 2017

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 474

Custody Information

Collected by: TG/ME
 Received by: B
 Analyzed by: see "By" below

Date Time
 11/08/17 19:01
 11/09/17 15:45

Laboratory Data

SDG ID: GBZ38838
 Phoenix ID: BZ38840

Project ID: 1122 WESTCHESTER AVE BRONX
 Client ID: IA1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	11/10/17	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	11/10/17	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	11/10/17	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	11/10/17	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	11/10/17	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	11/10/17	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	11/10/17	KCA	1
1,2,4-Trimethylbenzene	0.237	0.204	0.204	1.16	1.00	1.00	11/10/17	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	11/10/17	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	11/10/17	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	11/10/17	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	11/10/17	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	11/10/17	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	11/10/17	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	11/10/17	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	11/10/17	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	11/10/17	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	11/10/17	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	11/10/17	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	11/10/17	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	11/10/17	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	11/10/17	KCA	1
Acetone	4.09	S 0.421	0.421	9.7	1.00	1.00	11/10/17	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	11/10/17	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	11/10/17	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	11/10/17	KCA	1

Client ID: IA1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	11/10/17	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	11/10/17	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	11/10/17	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	11/10/17	KCA	1
Carbon Tetrachloride	ND	0.032	0.032	ND	0.20	0.20	11/10/17	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	11/10/17	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	11/10/17	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	11/10/17	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	11/10/17	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	11/10/17	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	11/10/17	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	11/10/17	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	11/10/17	KCA	1
Dichlorodifluoromethane	0.455	0.202	0.202	2.25	1.00	1.00	11/10/17	KCA	1
Ethanol	23.7	0.531	0.531	44.6	1.00	1.00	11/10/17	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	11/10/17	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	11/10/17	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	11/10/17	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	11/10/17	KCA	1
Hexane	0.295	S 0.284	0.284	1.04	1.00	1.00	11/10/17	KCA	1
Isopropylalcohol	2.29	0.407	0.407	5.63	1.00	1.00	11/10/17	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	11/10/17	KCA	1
m,p-Xylene	0.653	0.230	0.230	2.83	1.00	1.00	11/10/17	KCA	1
Methyl Ethyl Ketone	0.749	0.339	0.339	2.21	1.00	1.00	11/10/17	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	11/10/17	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	11/10/17	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	11/10/17	KCA	1
o-Xylene	0.255	0.230	0.230	1.11	1.00	1.00	11/10/17	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	11/10/17	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	11/10/17	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	11/10/17	KCA	1
Tetrachloroethene	1.01	0.037	0.037	6.85	0.25	0.25	11/10/17	KCA	1
Tetrahydrofuran	1.12	0.339	0.339	3.30	1.00	1.00	11/10/17	KCA	1
Toluene	0.664	0.266	0.266	2.50	1.00	1.00	11/10/17	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	11/10/17	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	11/10/17	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	11/10/17	KCA	1
Trichlorofluoromethane	0.232	0.178	0.178	1.30	1.00	1.00	11/10/17	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	11/10/17	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	11/10/17	KCA	1
QA/QC Surrogates									
% Bromofluorobenzene	106	%	%	106	%	%	11/10/17	KCA	1

Client ID: IA1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

November 14, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report
 November 14, 2017

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 21365

Custody Information

Collected by: TG/ME
 Received by: B
 Analyzed by: see "By" below

Date Time
 11/08/17 19:15
 11/09/17 15:45

Laboratory Data

SDG ID: GBZ38838
 Phoenix ID: BZ38841

Project ID: 1122 WESTCHESTER AVE BRONX
 Client ID: 1A2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	11/10/17	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	11/10/17	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	11/10/17	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	11/10/17	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	11/10/17	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	11/10/17	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	11/10/17	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	11/10/17	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	11/10/17	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	11/10/17	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	11/10/17	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	11/10/17	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	11/10/17	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	11/10/17	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	11/10/17	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	11/10/17	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	11/10/17	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	11/10/17	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	11/10/17	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	11/10/17	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	11/10/17	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	11/10/17	KCA	1
Acetone	4.87	0.421	0.421	11.6	1.00	1.00	11/10/17	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	11/10/17	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	11/10/17	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	11/10/17	KCA	1

Client ID: 1A2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	11/10/17	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	11/10/17	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	11/10/17	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	11/10/17	KCA	1
Carbon Tetrachloride	ND	0.032	0.032	ND	0.20	0.20	11/10/17	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	11/10/17	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	11/10/17	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	11/10/17	KCA	1
Chloromethane	0.499	0.485	0.485	1.03	1.00	1.00	11/10/17	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	11/10/17	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	11/10/17	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	11/10/17	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	11/10/17	KCA	1
Dichlorodifluoromethane	0.443	0.202	0.202	2.19	1.00	1.00	11/10/17	KCA	1
Ethanol	84.5	E 0.531	0.531	159	1.00	1.00	11/10/17	KCA	1
Ethyl acetate	0.446	0.278	0.278	1.61	1.00	1.00	11/10/17	KCA	1
Ethylbenzene	0.613	0.230	0.230	2.66	1.00	1.00	11/10/17	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	11/10/17	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	11/10/17	KCA	1
Hexane	0.294	S 0.284	0.284	1.04	1.00	1.00	11/10/17	KCA	1
Isopropylalcohol	3.02	0.407	0.407	7.42	1.00	1.00	11/10/17	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	11/10/17	KCA	1
m,p-Xylene	3.14	0.230	0.230	13.6	1.00	1.00	11/10/17	KCA	1
Methyl Ethyl Ketone	0.501	0.339	0.339	1.48	1.00	1.00	11/10/17	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	11/10/17	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	11/10/17	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	11/10/17	KCA	1
o-Xylene	0.933	0.230	0.230	4.05	1.00	1.00	11/10/17	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	11/10/17	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	11/10/17	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	11/10/17	KCA	1
Tetrachloroethene	0.158	0.037	0.037	1.07	0.25	0.25	11/10/17	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	11/10/17	KCA	1
Toluene	1.11	0.266	0.266	4.18	1.00	1.00	11/10/17	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	11/10/17	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	11/10/17	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	11/10/17	KCA	1
Trichlorofluoromethane	0.208	0.178	0.178	1.17	1.00	1.00	11/10/17	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	11/10/17	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	11/10/17	KCA	1
QA/QC Surrogates									
% Bromofluorobenzene	99	%	%	99	%	%	11/10/17	KCA	1

Client ID: 1A2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

November 14, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report
 November 14, 2017

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

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 12867

Custody Information

Collected by: TG/ME
 Received by: B
 Analyzed by: see "By" below

Date Time
 11/08/17 19:13
 11/09/17 15:45

Laboratory Data

SDG ID: GBZ38838
 Phoenix ID: BZ38842

Project ID: 1122 WESTCHESTER AVE BRONX
 Client ID: OA1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
<u>Volatiles (TO15)</u>										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	11/10/17	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	11/10/17	KCA	1	
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	11/10/17	KCA	1	
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	11/10/17	KCA	1	
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	11/10/17	KCA	1	
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	11/10/17	KCA	1	
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	11/10/17	KCA	1	
1,2,4-Trimethylbenzene	7.84	0.204	0.204	38.5	1.00	1.00	11/10/17	KCA	1	
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	11/10/17	KCA	1	
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	11/10/17	KCA	1	
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	11/10/17	KCA	1	
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	11/10/17	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	11/10/17	KCA	1	
1,3,5-Trimethylbenzene	2.20	0.204	0.204	10.8	1.00	1.00	11/10/17	KCA	1	
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	11/10/17	KCA	1	
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	11/10/17	KCA	1	
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	11/10/17	KCA	1	
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	11/10/17	KCA	1	
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	11/10/17	KCA	1	1
4-Ethyltoluene	4.46	0.204	0.204	21.9	1.00	1.00	11/10/17	KCA	1	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	11/10/17	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	11/10/17	KCA	1	
Acetone	17.8	0.421	0.421	42.3	1.00	1.00	11/10/17	KCA	1	
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	11/10/17	KCA	1	
Benzene	5.04	0.313	0.313	16.1	1.00	1.00	11/10/17	KCA	1	
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	11/10/17	KCA	1	

Client ID: OA1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	11/10/17	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	11/10/17	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	11/10/17	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	11/10/17	KCA	1
Carbon Tetrachloride	ND	0.032	0.032	ND	0.20	0.20	11/10/17	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	11/10/17	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	11/10/17	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	11/10/17	KCA	1
Chloromethane	0.517	0.485	0.485	1.07	1.00	1.00	11/10/17	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	11/10/17	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	11/10/17	KCA	1
Cyclohexane	0.579	0.291	0.291	1.99	1.00	1.00	11/10/17	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	11/10/17	KCA	1
Dichlorodifluoromethane	0.462	0.202	0.202	2.28	1.00	1.00	11/10/17	KCA	1
Ethanol	32.1	0.531	0.531	60.4	1.00	1.00	11/10/17	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	11/10/17	KCA	1
Ethylbenzene	22.7	0.230	0.230	98.5	1.00	1.00	11/10/17	KCA	1
Heptane	4.89	0.244	0.244	20.0	1.00	1.00	11/10/17	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	11/10/17	KCA	1
Hexane	5.51	0.284	0.284	19.4	1.00	1.00	11/10/17	KCA	1
Isopropylalcohol	0.829	0.407	0.407	2.04	1.00	1.00	11/10/17	KCA	1
Isopropylbenzene	1.79	0.204	0.204	8.79	1.00	1.00	11/10/17	KCA	1
m,p-Xylene	97.4	1.15	1.15	423	4.99	4.99	11/10/17	KCA	5
Methyl Ethyl Ketone	0.386	0.339	0.339	1.14	1.00	1.00	11/10/17	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	11/10/17	KCA	1
Methylene Chloride	1.34	S 0.864	0.864	4.65	3.00	3.00	11/10/17	KCA	1
n-Butylbenzene	0.455	0.182	0.182	2.50	1.00	1.00	11/10/17	KCA	1
o-Xylene	17.2	0.230	0.230	74.6	1.00	1.00	11/10/17	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	11/10/17	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	11/10/17	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	11/10/17	KCA	1
Tetrachloroethene	0.998	0.037	0.037	6.76	0.25	0.25	11/10/17	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	11/10/17	KCA	1
Toluene	161	1.33	1.33	606	5.01	5.01	11/10/17	KCA	5
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	11/10/17	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	11/10/17	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	11/10/17	KCA	1
Trichlorofluoromethane	0.231	0.178	0.178	1.30	1.00	1.00	11/10/17	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	11/10/17	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	11/10/17	KCA	1
<u>QA/QC Surrogates</u>									
% Bromofluorobenzene	104	%	%	104	%	%	11/10/17	KCA	1

Client ID: OA1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

If 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

November 14, 2017

Reviewed and Released by: Ethan Lee, Project Manager

Tuesday, November 14, 2017

Criteria: None

State: NY

Sample Criteria Exceedances Report

GBZ38838 - EBC

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

*** No Data to Display ***

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

CHAIN OF CUSTODY RECORD
AIR ANALYSES
 800-827-5426
 email: greg@phoenixlabs.com



P.O. # _____ Page | of |
 Data Delivery: 4.50
 Fax #: _____
 Email: F.I.R
 Phone #: _____

Report to: Kevin Waters
 Customer: EBC
 Address: _____
 Invoice to: EBC
 Project Name: 1122 Westchester Ave, Bronx
 Requested Deliverable: ASP CAT B
 RCP ASP CAT B
 MCP NJ Deliverables
 State where samples collected: NY

Sampled by: Thomas Gellis / M-5516 Ellis

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	MATRIX		
													Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)
<u>38838</u>	<u>SS1</u>	<u>11285</u>	<u>6.0</u>	<u>-30</u>	<u>-5</u>	<u>5385</u>	<u>10.8</u>	<u>10:52</u>	<u>10:50</u>	<u>11-8-17</u>	<u>-30</u>	<u>-5</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>38839</u>	<u>SS2</u>	<u>12868</u>	<u>6.0</u>	<u>-30</u>	<u>0</u>	<u>4493</u>	<u>10.8</u>	<u>10:58</u>	<u>10:55</u>	<u>11-8-17</u>	<u>-27</u>	<u>-2</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>38840</u>	<u>IA1</u>	<u>474</u>	<u>6.0</u>	<u>-30</u>	<u>-5</u>	<u>3262</u>	<u>10.8</u>	<u>11:00</u>	<u>10:01</u>	<u>11-8-17</u>	<u>-30</u>	<u>-5</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>38841</u>	<u>IA2</u>	<u>21365</u>	<u>6.0</u>	<u>-30</u>	<u>-1</u>	<u>3220</u>	<u>10.8</u>	<u>11:05</u>	<u>10:15</u>	<u>11-8-17</u>	<u>-30</u>	<u>-1</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>38842</u>	<u>OAI</u>	<u>12867</u>	<u>6.0</u>	<u>-30</u>	<u>-5</u>	<u>5349</u>	<u>10.8</u>	<u>11:12</u>	<u>10:13</u>	<u>11-8-17</u>	<u>-30</u>	<u>-5</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<u>Did Not Use</u>	<u>362</u>	<u>6.0</u>	<u>-30</u>		<u>5389</u>	<u>16.8</u>								

Relinquished by: Thomas Gellis Date: 11/9/17 Time: 10:38
 Accepted by: [Signature] Date: 11/9/17 Time: 5:45
 Data Format: Excel PDF Other
 Equis Other
 GISKey
 SPECIAL INSTRUCTIONS - DC REQUIREMENTS, REGULATORY INFORMATION:
G.O.L 8hr
 Requested Criteria: _____
 Quote Number: _____
 Signature: _____ Date: _____

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.



Friday, November 03, 2017

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

Project ID: 1120 WESTCHESTER AVE BRONX
Sample ID#s: BZ19337 - BZ19350

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

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

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

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

Phyllis Shiller
Laboratory Director

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

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



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



**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Environmental Business Consultants
Project: 1120 WESTCHESTER AVE BRONX
Laboratory Project: GBZ19337



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



NY Analytical Services Protocol Format

November 03, 2017

SDG I.D.: GBZ19337

Environmental Business Consultants 1120 WESTCHESTER AVE BRONX

Methodology Summary

Volatile Organic Compounds:

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

Sample Id Cross Reference

Client Id	Lab Id	Matrix
SB 5 (0-2)	BZ19337	SOIL
SB 6 (0-2)	BZ19338	SOIL
SB 6 (2-4)	BZ19339	SOIL
SB 7 (0-2)	BZ19340	SOIL
SB 7 (2-4)	BZ19341	SOIL
SB 8 (0-2)	BZ19342	SOIL
SB 8 (2-4)	BZ19343	SOIL
SB 9 (0-2)	BZ19344	SOIL
SB 10 (0-2)	BZ19345	SOIL
SB 11 (0-2)	BZ19346	SOIL
SB 12 (0-2)	BZ19347	SOIL
DUPLICATE	BZ19348	SOIL
TRIP BLANK LL	BZ19349	SOIL
TRIP BLANK HL	BZ19350	SOIL



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NY Analytical Services Protocol Format

November 03, 2017

SDG I.D.: GBZ19337

Environmental Business Consultants 1120 WESTCHESTER AVE BRONX

Laboratory Chronicle

The samples in this delivery group were received at 2.2°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
BZ19337	1,4-dioxane	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19337	Field Extraction	10/10/17	10/10/17	10/10/17		Y
BZ19337	Volatiles	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19337	Volatiles	10/10/17	10/13/17	10/13/17	JLI	Y
BZ19338	1,4-dioxane	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19338	Field Extraction	10/10/17	10/10/17	10/10/17		Y
BZ19338	Volatiles	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19338	Volatiles	10/10/17	10/13/17	10/13/17	JLI	Y
BZ19339	1,4-dioxane	10/10/17	10/16/17	10/16/17	JLI	Y
BZ19339	Field Extraction	10/10/17	10/10/17	10/10/17		Y
BZ19339	Volatiles	10/10/17	10/13/17	10/13/17	JLI	Y
BZ19339	Volatiles	10/10/17	10/16/17	10/16/17	JLI	Y
BZ19340	1,4-dioxane	10/10/17	10/13/17	10/13/17	JLI	Y
BZ19340	Field Extraction	10/10/17	10/10/17	10/10/17		Y
BZ19340	Volatiles	10/10/17	10/13/17	10/13/17	JLI	Y
BZ19340	Volatiles	10/10/17	10/14/17	10/14/17	JLI	Y
BZ19341	1,4-dioxane	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19341	Field Extraction	10/10/17	10/10/17	10/10/17		Y
BZ19341	Volatiles	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19341	Volatiles	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19342	1,4-dioxane	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19342	Field Extraction	10/10/17	10/10/17	10/10/17		Y
BZ19342	Volatiles	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19342	Volatiles	10/10/17	10/13/17	10/13/17	JLI	Y
BZ19343	1,4-dioxane	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19343	Field Extraction	10/10/17	10/10/17	10/10/17		Y
BZ19343	Volatiles	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19343	Volatiles	10/10/17	10/13/17	10/13/17	JLI	Y
BZ19344	1,4-dioxane	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19344	Field Extraction	10/10/17	10/10/17	10/10/17		Y
BZ19344	Volatiles	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19344	Volatiles	10/10/17	10/13/17	10/13/17	JLI	Y



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NY Analytical Services Protocol Format

November 03, 2017

SDG I.D.: GBZ19337

Environmental Business Consultants 1120 WESTCHESTER AVE BRONX

BZ19345	1,4-dioxane	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19345	Field Extraction	10/10/17	10/10/17	10/10/17		Y
BZ19345	Volatiles	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19345	Volatiles	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19346	1,4-dioxane	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19346	Client MS/MSD	10/10/17	10/12/17	10/12/17		Y
BZ19346	Field Extraction	10/10/17	10/10/17	10/10/17		Y
BZ19346	Volatiles	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19346	Volatiles	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19347	1,4-dioxane	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19347	Field Extraction	10/10/17	10/10/17	10/10/17		Y
BZ19347	Volatiles	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19347	Volatiles	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19348	1,4-dioxane	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19348	Field Extraction	10/10/17	10/10/17	10/10/17		Y
BZ19348	Volatiles	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19348	Volatiles	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19349	1,4-dioxane	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19349	Field Extraction	10/10/17	10/10/17	10/10/17		Y
BZ19349	Volatiles	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19349	Volatiles	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19350	1,4-dioxane	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19350	Field Extraction	10/10/17	10/10/17	10/10/17		Y
BZ19350	Volatiles	10/10/17	10/12/17	10/12/17	JLI	Y
BZ19350	Volatiles	10/10/17	10/12/17	10/12/17	JLI	Y



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SDG Comments

November 03, 2017

SDG I.D.: GBZ19337

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

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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



Analysis Report
 November 03, 2017

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

Sample Information

Matrix: SOIL
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: TB
 Received by: SW
 Analyzed by: see "By" below

Date

10/10/17
 10/11/17

Time

14:00
 16:03

Laboratory Data

SDG ID: GBZ19337
 Phoenix ID: BZ19337

Project ID: 1120 WESTCHESTER AVE BRONX
 Client ID: SB 5 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethane	ND	270	61	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloropropene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromoethane	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloroethane	ND	31	31	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloropropane	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichloropropane	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
2,2-Dichloropropane	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
2-Chlorotoluene	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
2-Hexanone	ND	1500	310	ug/Kg	50	10/12/17	JLI	SW8260C
2-Isopropyltoluene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
4-Chlorotoluene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	1500	310	ug/Kg	50	10/12/17	JLI	SW8260C

Client ID: SB 5 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	310	310	ug/Kg	50	10/12/17	JLI	SW8260C
Acrylonitrile	ND	610	61	ug/Kg	50	10/12/17	JLI	SW8260C
Benzene	ND	60	31	ug/Kg	50	10/12/17	JLI	SW8260C
Bromobenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Bromochloromethane	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Bromodichloromethane	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
Bromoform	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
Bromomethane	ND	310	120	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon Disulfide	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon tetrachloride	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
Chlorobenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroethane	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroform	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Chloromethane	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	250	31	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromochloromethane	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromomethane	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
Dichlorodifluoromethane	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Ethylbenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Hexachlorobutadiene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Isopropylbenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
m&p-Xylene	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	310	310	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	610	61	ug/Kg	50	10/12/17	JLI	SW8260C
Methylene chloride	ND	310	310	ug/Kg	50	10/12/17	JLI	SW8260C
Naphthalene	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
n-Butylbenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
n-Propylbenzene	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
o-Xylene	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
p-Isopropyltoluene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
sec-Butylbenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Styrene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
tert-Butylbenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Tetrachloroethene	17000	D 1200	240	ug/Kg	200	10/13/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	610	150	ug/Kg	50	10/12/17	JLI	SW8260C
Toluene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	190	31	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	610	150	ug/Kg	50	10/12/17	JLI	SW8260C
Trichloroethene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorofluoromethane	ND	310	61	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Vinyl chloride	ND	31	31	ug/Kg	50	10/12/17	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	50	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	97			%	50	10/12/17	JLI	70 - 130 %
% Dibromofluoromethane	86			%	50	10/12/17	JLI	70 - 130 %
% Toluene-d8	98			%	50	10/12/17	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>1,4-dioxane</u>								
1,4-dioxane	ND	2400	2400	ug/kg	50	10/12/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	50	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	97			%	50	10/12/17	JLI	70 - 130 %
% Toluene-d8	98			%	50	10/12/17	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1200	61	ug/Kg	50	10/12/17	JLI	SW8260C
Acrolein	ND	1200	150	ug/Kg	50	10/12/17	JLI	SW8260C
Acrylonitrile	ND	1200	31	ug/Kg	50	10/12/17	JLI	SW8260C
Tert-butyl alcohol	ND	6100	1200	ug/Kg	50	10/12/17	JLI	SW8260C
Field Extraction	Completed					10/10/17		SW5035A

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:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

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

Volatile Comment:

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

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

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Phyllis Shiller, Laboratory Director

November 03, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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

Analysis Report
 November 03, 2017

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

Sample Information

Matrix: SOIL
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: TB
 Received by: SW
 Analyzed by: see "By" below

Date

10/10/17
 10/11/17

Time

11:30
 16:03

Laboratory Data

SDG ID: GBZ19337
 Phoenix ID: BZ19338

Project ID: 1120 WESTCHESTER AVE BRONX
 Client ID: SB 6 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethane	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloropropene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromoethane	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloroethane	ND	23	23	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloropropane	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichloropropane	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
2,2-Dichloropropane	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
2-Chlorotoluene	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
2-Hexanone	ND	1100	230	ug/Kg	50	10/12/17	JLI	SW8260C
2-Isopropyltoluene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
4-Chlorotoluene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	1100	230	ug/Kg	50	10/12/17	JLI	SW8260C

Client ID: SB 6 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	230	230	ug/Kg	50	10/12/17	JLI	SW8260C
Acrylonitrile	ND	460	46	ug/Kg	50	10/12/17	JLI	SW8260C
Benzene	ND	60	23	ug/Kg	50	10/12/17	JLI	SW8260C
Bromobenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Bromochloromethane	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Bromodichloromethane	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
Bromoform	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
Bromomethane	ND	230	91	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon Disulfide	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon tetrachloride	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
Chlorobenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroethane	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroform	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Chloromethane	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromochloromethane	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromomethane	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
Dichlorodifluoromethane	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Ethylbenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Hexachlorobutadiene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Isopropylbenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
m&p-Xylene	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	230	230	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	460	46	ug/Kg	50	10/12/17	JLI	SW8260C
Methylene chloride	ND	230	230	ug/Kg	50	10/12/17	JLI	SW8260C
Naphthalene	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
n-Butylbenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
n-Propylbenzene	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
o-Xylene	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
p-Isopropyltoluene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
sec-Butylbenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Styrene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
tert-Butylbenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Tetrachloroethene	57000	D 4600	910	ug/Kg	1000	10/13/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	460	110	ug/Kg	50	10/12/17	JLI	SW8260C
Toluene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	190	23	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	460	110	ug/Kg	50	10/12/17	JLI	SW8260C
Trichloroethene	64	J 230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorofluoromethane	ND	230	46	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Vinyl chloride	ND	23	23	ug/Kg	50	10/12/17	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	50	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	98			%	50	10/12/17	JLI	70 - 130 %
% Dibromofluoromethane	84			%	50	10/12/17	JLI	70 - 130 %
% Toluene-d8	98			%	50	10/12/17	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
<u>1,4-dioxane</u>									
1,4-dioxane	ND	1800	1800	ug/kg	50	10/12/17	JLI	SW8260C	
<u>QA/QC Surrogates</u>									
% 1,2-dichlorobenzene-d4	96			%	50	10/12/17	JLI	70 - 130 %	
% Bromofluorobenzene	98			%	50	10/12/17	JLI	70 - 130 %	
% Toluene-d8	98			%	50	10/12/17	JLI	70 - 130 %	
<u>Volatiles</u>									
1,1,1,2-Tetrachloroethane	ND	910	46	ug/Kg	50	10/12/17	JLI	SW8260C	
Acrolein	ND	910	110	ug/Kg	50	10/12/17	JLI	SW8260C	
Acrylonitrile	ND	910	23	ug/Kg	50	10/12/17	JLI	SW8260C	
Tert-butyl alcohol	ND	4600	910	ug/Kg	50	10/12/17	JLI	SW8260C	
Field Extraction	Completed					10/10/17		SW5035A	1

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 Limit

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:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

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

Volatile Comment:

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

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Phyllis Shiller, Laboratory Director

November 03, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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

Analysis Report
 November 03, 2017

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

Sample Information

Matrix: SOIL
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: TB
 Received by: SW
 Analyzed by: see "By" below

Date

10/10/17
 10/11/17

Time

11:45
 16:03

Laboratory Data

SDG ID: GBZ19337
 Phoenix ID: BZ19339

Project ID: 1120 WESTCHESTER AVE BRONX
 Client ID: SB 6 (2-4)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
1,1-Dichloroethane	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
1,1-Dichloroethene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
1,1-Dichloropropene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
1,2-Dibromoethane	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
1,2-Dichloroethane	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
1,2-Dichloropropane	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
1,3-Dichloropropane	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
2,2-Dichloropropane	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
2-Chlorotoluene	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
2-Hexanone	ND	20	3.9	ug/Kg	1	10/16/17	JLI	SW8260C
2-Isopropyltoluene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
4-Chlorotoluene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	20	3.9	ug/Kg	1	10/16/17	JLI	SW8260C

Client ID: SB 6 (2-4)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	20	3.9	ug/Kg	1	10/16/17	JLI	SW8260C
Acrylonitrile	ND	7.8	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
Benzene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
Bromobenzene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
Bromochloromethane	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
Bromodichloromethane	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
Bromoform	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
Bromomethane	ND	3.9	1.6	ug/Kg	1	10/16/17	JLI	SW8260C
Carbon Disulfide	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
Carbon tetrachloride	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
Chlorobenzene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
Chloroethane	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
Chloroform	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
Chloromethane	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
Dibromochloromethane	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
Dibromomethane	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
Dichlorodifluoromethane	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
Ethylbenzene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
Hexachlorobutadiene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
Isopropylbenzene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
m&p-Xylene	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	23	3.9	ug/Kg	1	10/16/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	7.8	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
Methylene chloride	ND	3.9	3.9	ug/Kg	1	10/16/17	JLI	SW8260C
Naphthalene	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
n-Butylbenzene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
n-Propylbenzene	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
o-Xylene	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
p-Isopropyltoluene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
sec-Butylbenzene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
Styrene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
tert-Butylbenzene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
Tetrachloroethene	960	230	47	ug/Kg	50	10/13/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	7.8	2.0	ug/Kg	1	10/16/17	JLI	SW8260C
Toluene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	7.8	2.0	ug/Kg	1	10/16/17	JLI	SW8260C
Trichloroethene	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
Trichlorofluoromethane	ND	3.9	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
Vinyl chloride	ND	3.9	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	94			%	1	10/16/17	JLI	70 - 130 %
% Bromofluorobenzene	99			%	1	10/16/17	JLI	70 - 130 %
% Dibromofluoromethane	100			%	1	10/16/17	JLI	70 - 130 %
% Toluene-d8	91			%	1	10/16/17	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>1,4-dioxane</u>								
1,4-dioxane	ND	59	31	ug/kg	1	10/16/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	94			%	1	10/16/17	JLI	70 - 130 %
% Bromofluorobenzene	99			%	1	10/16/17	JLI	70 - 130 %
% Toluene-d8	91			%	1	10/16/17	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	16	0.78	ug/Kg	1	10/16/17	JLI	SW8260C
Acrolein	ND	16	2.0	ug/Kg	1	10/16/17	JLI	SW8260C
Acrylonitrile	ND	16	0.39	ug/Kg	1	10/16/17	JLI	SW8260C
Tert-butyl alcohol	ND	78	16	ug/Kg	1	10/16/17	JLI	SW8260C
Field Extraction	Completed					10/10/17		SW5035A

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:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

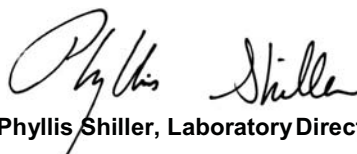
Volatile Comment:

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.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

November 03, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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

Analysis Report
 November 03, 2017

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

Sample Information

Matrix: SOIL
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: TB
 Received by: SW
 Analyzed by: see "By" below

Date

10/10/17
 10/11/17

Time

7:30
 16:03

Laboratory Data

SDG ID: GBZ19337
 Phoenix ID: BZ19340

Project ID: 1120 WESTCHESTER AVE BRONX
 Client ID: SB 7 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
1,1-Dichloroethane	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
1,1-Dichloroethene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
1,1-Dichloropropene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
1,2-Dibromoethane	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
1,2-Dichloroethane	ND	20	19	ug/Kg	50	10/13/17	JLI	SW8260C
1,2-Dichloropropane	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
1,3-Dichloropropane	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
2,2-Dichloropropane	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
2-Chlorotoluene	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
2-Hexanone	ND	960	190	ug/Kg	50	10/13/17	JLI	SW8260C
2-Isopropyltoluene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
4-Chlorotoluene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	960	190	ug/Kg	50	10/13/17	JLI	SW8260C

Client ID: SB 7 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	190	190	ug/Kg	50	10/13/17	JLI	SW8260C
Acrylonitrile	ND	390	39	ug/Kg	50	10/13/17	JLI	SW8260C
Benzene	ND	60	19	ug/Kg	50	10/13/17	JLI	SW8260C
Bromobenzene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
Bromochloromethane	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
Bromodichloromethane	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
Bromoform	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
Bromomethane	ND	190	77	ug/Kg	50	10/13/17	JLI	SW8260C
Carbon Disulfide	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
Carbon tetrachloride	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
Chlorobenzene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
Chloroethane	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
Chloroform	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
Chloromethane	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
Dibromochloromethane	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
Dibromomethane	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
Dichlorodifluoromethane	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
Ethylbenzene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
Hexachlorobutadiene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
Isopropylbenzene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
m&p-Xylene	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	190	190	ug/Kg	50	10/13/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	390	39	ug/Kg	50	10/13/17	JLI	SW8260C
Methylene chloride	ND	190	190	ug/Kg	50	10/13/17	JLI	SW8260C
Naphthalene	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
n-Butylbenzene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
n-Propylbenzene	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
o-Xylene	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
p-Isopropyltoluene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
sec-Butylbenzene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
Styrene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
tert-Butylbenzene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
Tetrachloroethene	9600	D 770	150	ug/Kg	200	10/14/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	390	96	ug/Kg	50	10/13/17	JLI	SW8260C
Toluene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	390	96	ug/Kg	50	10/13/17	JLI	SW8260C
Trichloroethene	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
Trichlorofluoromethane	ND	190	39	ug/Kg	50	10/13/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	190	19	ug/Kg	50	10/13/17	JLI	SW8260C
Vinyl chloride	ND	20	19	ug/Kg	50	10/13/17	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	50	10/13/17	JLI	70 - 130 %
% Bromofluorobenzene	96			%	50	10/13/17	JLI	70 - 130 %
% Dibromofluoromethane	80			%	50	10/13/17	JLI	70 - 130 %
% Toluene-d8	97			%	50	10/13/17	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
<u>1,4-dioxane</u>									
1,4-dioxane	ND	1500	1500	ug/kg	50	10/13/17	JLI	SW8260C	
<u>QA/QC Surrogates</u>									
% 1,2-dichlorobenzene-d4	99			%	50	10/13/17	JLI	70 - 130 %	
% Bromofluorobenzene	96			%	50	10/13/17	JLI	70 - 130 %	
% Toluene-d8	97			%	50	10/13/17	JLI	70 - 130 %	
<u>Volatiles</u>									
1,1,1,2-Tetrachloroethane	ND	770	39	ug/Kg	50	10/13/17	JLI	SW8260C	
Acrolein	ND	770	96	ug/Kg	50	10/13/17	JLI	SW8260C	
Acrylonitrile	ND	770	19	ug/Kg	50	10/13/17	JLI	SW8260C	
Tert-butyl alcohol	ND	3900	770	ug/Kg	50	10/13/17	JLI	SW8260C	
Field Extraction	Completed					10/10/17		SW5035A	1

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:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

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

Volatile Comment:

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

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

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Phyllis Shiller, Laboratory Director

November 03, 2017

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Analysis Report
 November 03, 2017

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

Sample Information

Matrix: SOIL
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: TB
 Received by: SW
 Analyzed by: see "By" below

Date

10/10/17
 10/11/17

Time

8:00
 16:03

Laboratory Data

SDG ID: GBZ19337
 Phoenix ID: BZ19341

Project ID: 1120 WESTCHESTER AVE BRONX
 Client ID: SB 7 (2-4)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloropropene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromoethane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloroethane	ND	24	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloropropane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichloropropane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
2,2-Dichloropropane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
2-Chlorotoluene	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
2-Hexanone	ND	1200	240	ug/Kg	50	10/12/17	JLI	SW8260C
2-Isopropyltoluene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
4-Chlorotoluene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	1200	240	ug/Kg	50	10/12/17	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	240	240	ug/Kg	50	10/12/17	JLI	SW8260C
Acrylonitrile	ND	470	47	ug/Kg	50	10/12/17	JLI	SW8260C
Benzene	ND	60	24	ug/Kg	50	10/12/17	JLI	SW8260C
Bromobenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Bromochloromethane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Bromodichloromethane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
Bromoform	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
Bromomethane	ND	240	95	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon Disulfide	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon tetrachloride	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
Chlorobenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroethane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroform	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Chloromethane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromochloromethane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromomethane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
Dichlorodifluoromethane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Ethylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Hexachlorobutadiene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Isopropylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
m&p-Xylene	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	240	240	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	470	47	ug/Kg	50	10/12/17	JLI	SW8260C
Methylene chloride	ND	240	240	ug/Kg	50	10/12/17	JLI	SW8260C
Naphthalene	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
n-Butylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
n-Propylbenzene	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
o-Xylene	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
p-Isopropyltoluene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
sec-Butylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Styrene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
tert-Butylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Tetrachloroethene	3700	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	470	120	ug/Kg	50	10/12/17	JLI	SW8260C
Toluene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	190	24	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	470	120	ug/Kg	50	10/12/17	JLI	SW8260C
Trichloroethene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorofluoromethane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Vinyl chloride	ND	24	24	ug/Kg	50	10/12/17	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	50	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	96			%	50	10/12/17	JLI	70 - 130 %
% Dibromofluoromethane	86			%	50	10/12/17	JLI	70 - 130 %
% Toluene-d8	97			%	50	10/12/17	JLI	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>1,4-dioxane</u>								
1,4-dioxane	ND	1900	1900	ug/kg	50	10/12/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	50	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	96			%	50	10/12/17	JLI	70 - 130 %
% Toluene-d8	97			%	50	10/12/17	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	950	47	ug/Kg	50	10/12/17	JLI	SW8260C
Acrolein	ND	950	120	ug/Kg	50	10/12/17	JLI	SW8260C
Acrylonitrile	ND	950	24	ug/Kg	50	10/12/17	JLI	SW8260C
Tert-butyl alcohol	ND	4700	950	ug/Kg	50	10/12/17	JLI	SW8260C
Field Extraction	Completed					10/10/17		SW5035A

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:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

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

Volatile Comment:

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

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

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Phyllis Shiller, Laboratory Director

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Reviewed and Released by: Jon Carlson, Project Manager



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Analysis Report
 November 03, 2017

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

Sample Information

Matrix: SOIL
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: TB
 Received by: SW
 Analyzed by: see "By" below

Date

10/10/17
 10/11/17

Time

12:30
 16:03

Laboratory Data

SDG ID: GBZ19337
 Phoenix ID: BZ19342

Project ID: 1120 WESTCHESTER AVE BRONX
 Client ID: SB 8 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloropropene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromoethane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloroethane	ND	24	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloropropane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichloropropane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
2,2-Dichloropropane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
2-Chlorotoluene	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
2-Hexanone	ND	1200	240	ug/Kg	50	10/12/17	JLI	SW8260C
2-Isopropyltoluene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
4-Chlorotoluene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	1200	240	ug/Kg	50	10/12/17	JLI	SW8260C

Client ID: SB 8 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	240	240	ug/Kg	50	10/12/17	JLI	SW8260C
Acrylonitrile	ND	470	47	ug/Kg	50	10/12/17	JLI	SW8260C
Benzene	ND	60	24	ug/Kg	50	10/12/17	JLI	SW8260C
Bromobenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Bromochloromethane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Bromodichloromethane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
Bromoform	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
Bromomethane	ND	240	94	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon Disulfide	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon tetrachloride	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
Chlorobenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroethane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroform	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Chloromethane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromochloromethane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromomethane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
Dichlorodifluoromethane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Ethylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Hexachlorobutadiene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Isopropylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
m&p-Xylene	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	240	240	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	470	47	ug/Kg	50	10/12/17	JLI	SW8260C
Methylene chloride	ND	240	240	ug/Kg	50	10/12/17	JLI	SW8260C
Naphthalene	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
n-Butylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
n-Propylbenzene	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
o-Xylene	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
p-Isopropyltoluene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
sec-Butylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Styrene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
tert-Butylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Tetrachloroethene	29000	D 2400	470	ug/Kg	500	10/13/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	470	120	ug/Kg	50	10/12/17	JLI	SW8260C
Toluene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	190	24	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	470	120	ug/Kg	50	10/12/17	JLI	SW8260C
Trichloroethene	40	J 240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorofluoromethane	ND	240	47	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Vinyl chloride	ND	24	24	ug/Kg	50	10/12/17	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	50	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	98			%	50	10/12/17	JLI	70 - 130 %
% Dibromofluoromethane	84			%	50	10/12/17	JLI	70 - 130 %
% Toluene-d8	100			%	50	10/12/17	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>1,4-dioxane</u>								
1,4-dioxane	ND	1900	1900	ug/kg	50	10/12/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	98			%	50	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	98			%	50	10/12/17	JLI	70 - 130 %
% Toluene-d8	100			%	50	10/12/17	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	940	47	ug/Kg	50	10/12/17	JLI	SW8260C
Acrolein	ND	940	120	ug/Kg	50	10/12/17	JLI	SW8260C
Acrylonitrile	ND	940	24	ug/Kg	50	10/12/17	JLI	SW8260C
Tert-butyl alcohol	ND	4700	940	ug/Kg	50	10/12/17	JLI	SW8260C
Field Extraction	Completed					10/10/17		SW5035A

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 Limit

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:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

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

Volatile Comment:

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

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

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Phyllis Shiller, Laboratory Director

November 03, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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

Analysis Report
 November 03, 2017

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

Sample Information

Matrix: SOIL
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: TB
 Received by: SW
 Analyzed by: see "By" below

Date

10/10/17
 10/11/17

Time

12:45
 16:03

Laboratory Data

SDG ID: GBZ19337
 Phoenix ID: BZ19343

Project ID: 1120 WESTCHESTER AVE BRONX
 Client ID: SB 8 (2-4)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethane	ND	270	62	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloropropene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromoethane	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloroethane	ND	31	31	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloropropane	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichloropropane	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
2,2-Dichloropropane	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
2-Chlorotoluene	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
2-Hexanone	ND	1600	310	ug/Kg	50	10/12/17	JLI	SW8260C
2-Isopropyltoluene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
4-Chlorotoluene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	1600	310	ug/Kg	50	10/12/17	JLI	SW8260C

Client ID: SB 8 (2-4)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	310	310	ug/Kg	50	10/12/17	JLI	SW8260C
Acrylonitrile	ND	620	62	ug/Kg	50	10/12/17	JLI	SW8260C
Benzene	ND	60	31	ug/Kg	50	10/12/17	JLI	SW8260C
Bromobenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Bromochloromethane	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Bromodichloromethane	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
Bromoform	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
Bromomethane	ND	310	120	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon Disulfide	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon tetrachloride	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
Chlorobenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroethane	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroform	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Chloromethane	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	250	31	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromochloromethane	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromomethane	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
Dichlorodifluoromethane	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Ethylbenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Hexachlorobutadiene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Isopropylbenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
m&p-Xylene	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	310	310	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	620	62	ug/Kg	50	10/12/17	JLI	SW8260C
Methylene chloride	ND	310	310	ug/Kg	50	10/12/17	JLI	SW8260C
Naphthalene	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
n-Butylbenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
n-Propylbenzene	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
o-Xylene	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
p-Isopropyltoluene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
sec-Butylbenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Styrene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
tert-Butylbenzene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Tetrachloroethene	3900	310	62	ug/Kg	50	10/13/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	620	160	ug/Kg	50	10/12/17	JLI	SW8260C
Toluene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	190	31	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	620	160	ug/Kg	50	10/12/17	JLI	SW8260C
Trichloroethene	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorofluoromethane	ND	310	62	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	310	31	ug/Kg	50	10/12/17	JLI	SW8260C
Vinyl chloride	ND	31	31	ug/Kg	50	10/12/17	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	50	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	98			%	50	10/12/17	JLI	70 - 130 %
% Dibromofluoromethane	84			%	50	10/12/17	JLI	70 - 130 %
% Toluene-d8	98			%	50	10/12/17	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>1,4-dioxane</u>								
1,4-dioxane	ND	2500	2500	ug/kg	50	10/12/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	98			%	50	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	98			%	50	10/12/17	JLI	70 - 130 %
% Toluene-d8	98			%	50	10/12/17	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1200	62	ug/Kg	50	10/12/17	JLI	SW8260C
Acrolein	ND	1200	160	ug/Kg	50	10/12/17	JLI	SW8260C
Acrylonitrile	ND	1200	31	ug/Kg	50	10/12/17	JLI	SW8260C
Tert-butyl alcohol	ND	6200	1200	ug/Kg	50	10/12/17	JLI	SW8260C
Field Extraction	Completed					10/10/17		SW5035A

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:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

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

Volatile Comment:

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

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

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Phyllis Shiller, Laboratory Director

November 03, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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

Analysis Report
 November 03, 2017

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

Sample Information

Matrix: SOIL
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: TB
 Received by: SW
 Analyzed by: see "By" below

Date

10/10/17
 10/11/17

Time

13:30
 16:03

Laboratory Data

SDG ID: GBZ19337
 Phoenix ID: BZ19344

Project ID: 1120 WESTCHESTER AVE BRONX
 Client ID: SB 9 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethane	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloropropene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromoethane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloroethane	ND	24	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloropropane	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichloropropane	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
2,2-Dichloropropane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
2-Chlorotoluene	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
2-Hexanone	ND	1200	240	ug/Kg	50	10/12/17	JLI	SW8260C
2-Isopropyltoluene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
4-Chlorotoluene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	1200	240	ug/Kg	50	10/12/17	JLI	SW8260C

Client ID: SB 9 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	240	240	ug/Kg	50	10/12/17	JLI	SW8260C
Acrylonitrile	ND	480	48	ug/Kg	50	10/12/17	JLI	SW8260C
Benzene	ND	60	24	ug/Kg	50	10/12/17	JLI	SW8260C
Bromobenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Bromochloromethane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Bromodichloromethane	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
Bromoform	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
Bromomethane	ND	240	97	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon Disulfide	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon tetrachloride	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
Chlorobenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroethane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroform	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Chloromethane	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromochloromethane	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromomethane	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
Dichlorodifluoromethane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Ethylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Hexachlorobutadiene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Isopropylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
m&p-Xylene	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	240	240	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	480	48	ug/Kg	50	10/12/17	JLI	SW8260C
Methylene chloride	ND	240	240	ug/Kg	50	10/12/17	JLI	SW8260C
Naphthalene	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
n-Butylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
n-Propylbenzene	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
o-Xylene	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
p-Isopropyltoluene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
sec-Butylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Styrene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
tert-Butylbenzene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Tetrachloroethene	22000	D 1200	240	ug/Kg	250	10/13/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	480	120	ug/Kg	50	10/12/17	JLI	SW8260C
Toluene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	190	24	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	480	120	ug/Kg	50	10/12/17	JLI	SW8260C
Trichloroethene	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorofluoromethane	ND	240	48	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	240	24	ug/Kg	50	10/12/17	JLI	SW8260C
Vinyl chloride	ND	24	24	ug/Kg	50	10/12/17	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	50	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	99			%	50	10/12/17	JLI	70 - 130 %
% Dibromofluoromethane	85			%	50	10/12/17	JLI	70 - 130 %
% Toluene-d8	97			%	50	10/12/17	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
<u>1,4-dioxane</u>									
1,4-dioxane	ND	1900	1900	ug/kg	50	10/12/17	JLI	SW8260C	
<u>QA/QC Surrogates</u>									
% 1,2-dichlorobenzene-d4	98			%	50	10/12/17	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	50	10/12/17	JLI	70 - 130 %	
% Toluene-d8	97			%	50	10/12/17	JLI	70 - 130 %	
<u>Volatiles</u>									
1,1,1,2-Tetrachloroethane	ND	970	48	ug/Kg	50	10/12/17	JLI	SW8260C	
Acrolein	ND	970	120	ug/Kg	50	10/12/17	JLI	SW8260C	
Acrylonitrile	ND	970	24	ug/Kg	50	10/12/17	JLI	SW8260C	
Tert-butyl alcohol	ND	4800	970	ug/Kg	50	10/12/17	JLI	SW8260C	
Field Extraction	Completed					10/10/17		SW5035A	1

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:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

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

Volatile Comment:

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

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

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Phyllis Shiller, Laboratory Director

November 03, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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

Analysis Report
 November 03, 2017

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

Sample Information

Matrix: SOIL
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: TB
 Received by: SW
 Analyzed by: see "By" below

Date

10/10/17
 10/11/17

Time

9:45
 16:03

Laboratory Data

SDG ID: GBZ19337
 Phoenix ID: BZ19345

Project ID: 1120 WESTCHESTER AVE BRONX
 Client ID: SB 10 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethane	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloropropene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromoethane	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloroethane	ND	20	20	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloropropane	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichloropropane	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
2,2-Dichloropropane	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
2-Chlorotoluene	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
2-Hexanone	ND	1000	200	ug/Kg	50	10/12/17	JLI	SW8260C
2-Isopropyltoluene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
4-Chlorotoluene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	1000	200	ug/Kg	50	10/12/17	JLI	SW8260C

Client ID: SB 10 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	200	200	ug/Kg	50	10/12/17	JLI	SW8260C
Acrylonitrile	ND	410	41	ug/Kg	50	10/12/17	JLI	SW8260C
Benzene	ND	60	20	ug/Kg	50	10/12/17	JLI	SW8260C
Bromobenzene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
Bromochloromethane	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
Bromodichloromethane	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
Bromoform	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
Bromomethane	ND	200	81	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon Disulfide	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon tetrachloride	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
Chlorobenzene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroethane	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroform	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
Chloromethane	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromochloromethane	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromomethane	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
Dichlorodifluoromethane	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
Ethylbenzene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
Hexachlorobutadiene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
Isopropylbenzene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
m&p-Xylene	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	200	200	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	410	41	ug/Kg	50	10/12/17	JLI	SW8260C
Methylene chloride	ND	200	200	ug/Kg	50	10/12/17	JLI	SW8260C
Naphthalene	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
n-Butylbenzene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
n-Propylbenzene	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
o-Xylene	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
p-Isopropyltoluene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
sec-Butylbenzene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
Styrene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
tert-Butylbenzene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
Tetrachloroethene	4300	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	410	100	ug/Kg	50	10/12/17	JLI	SW8260C
Toluene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	190	20	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	410	100	ug/Kg	50	10/12/17	JLI	SW8260C
Trichloroethene	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorofluoromethane	ND	200	41	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	200	20	ug/Kg	50	10/12/17	JLI	SW8260C
Vinyl chloride	ND	20	20	ug/Kg	50	10/12/17	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	50	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	97			%	50	10/12/17	JLI	70 - 130 %
% Dibromofluoromethane	83			%	50	10/12/17	JLI	70 - 130 %
% Toluene-d8	97			%	50	10/12/17	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>1,4-dioxane</u>								
1,4-dioxane	ND	1600	1600	ug/kg	50	10/12/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	98			%	50	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	97			%	50	10/12/17	JLI	70 - 130 %
% Toluene-d8	97			%	50	10/12/17	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	810	41	ug/Kg	50	10/12/17	JLI	SW8260C
Acrolein	ND	810	100	ug/Kg	50	10/12/17	JLI	SW8260C
Acrylonitrile	ND	810	20	ug/Kg	50	10/12/17	JLI	SW8260C
Tert-butyl alcohol	ND	4100	810	ug/Kg	50	10/12/17	JLI	SW8260C
Field Extraction	Completed					10/10/17		SW5035A

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:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

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

Volatile Comment:

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

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

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Phyllis Shiller, Laboratory Director

November 03, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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

Analysis Report
 November 03, 2017

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

Sample Information

Matrix: SOIL
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: TB
 Received by: SW
 Analyzed by: see "By" below

Date

10/10/17
 10/11/17

Time

10:30
 16:03

Laboratory Data

SDG ID: GBZ19337
 Phoenix ID: BZ19346

Project ID: 1120 WESTCHESTER AVE BRONX
 Client ID: SB 11 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethane	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloropropene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromoethane	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloroethane	ND	26	26	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloropropane	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichloropropane	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
2,2-Dichloropropane	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
2-Chlorotoluene	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
2-Hexanone	ND	1300	260	ug/Kg	50	10/12/17	JLI	SW8260C
2-Isopropyltoluene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
4-Chlorotoluene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	1300	260	ug/Kg	50	10/12/17	JLI	SW8260C

Client ID: SB 11 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	260	260	ug/Kg	50	10/12/17	JLI	SW8260C
Acrylonitrile	ND	520	52	ug/Kg	50	10/12/17	JLI	SW8260C
Benzene	ND	60	26	ug/Kg	50	10/12/17	JLI	SW8260C
Bromobenzene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
Bromochloromethane	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
Bromodichloromethane	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
Bromoform	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
Bromomethane	ND	260	100	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon Disulfide	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon tetrachloride	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
Chlorobenzene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroethane	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroform	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
Chloromethane	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	250	26	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromochloromethane	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromomethane	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
Dichlorodifluoromethane	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
Ethylbenzene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
Hexachlorobutadiene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
Isopropylbenzene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
m&p-Xylene	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	260	260	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	520	52	ug/Kg	50	10/12/17	JLI	SW8260C
Methylene chloride	ND	260	260	ug/Kg	50	10/12/17	JLI	SW8260C
Naphthalene	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
n-Butylbenzene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
n-Propylbenzene	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
o-Xylene	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
p-Isopropyltoluene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
sec-Butylbenzene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
Styrene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
tert-Butylbenzene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
Tetrachloroethene	5600	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	520	130	ug/Kg	50	10/12/17	JLI	SW8260C
Toluene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	190	26	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	520	130	ug/Kg	50	10/12/17	JLI	SW8260C
Trichloroethene	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorofluoromethane	ND	260	52	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	260	26	ug/Kg	50	10/12/17	JLI	SW8260C
Vinyl chloride	ND	26	26	ug/Kg	50	10/12/17	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97			%	50	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	95			%	50	10/12/17	JLI	70 - 130 %
% Dibromofluoromethane	81			%	50	10/12/17	JLI	70 - 130 %
% Toluene-d8	98			%	50	10/12/17	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>1,4-dioxane</u>								
1,4-dioxane	ND	2100	2100	ug/kg	50	10/12/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	97			%	50	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	95			%	50	10/12/17	JLI	70 - 130 %
% Toluene-d8	98			%	50	10/12/17	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1000	52	ug/Kg	50	10/12/17	JLI	SW8260C
Acrolein	ND	1000	130	ug/Kg	50	10/12/17	JLI	SW8260C
Acrylonitrile	ND	1000	26	ug/Kg	50	10/12/17	JLI	SW8260C
Tert-butyl alcohol	ND	5200	1000	ug/Kg	50	10/12/17	JLI	SW8260C
Client MS/MSD	Completed					10/12/17		
Field Extraction	Completed					10/10/17		SW5035A

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 Limit

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:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

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

Volatile Comment:

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

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

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Phyllis Shiller, Laboratory Director

November 03, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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

Analysis Report
 November 03, 2017

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

Sample Information

Matrix: SOIL
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: TB
 Received by: SW
 Analyzed by: see "By" below

Date Time
 10/10/17 9:00
 10/11/17 16:03

Laboratory Data

SDG ID: GBZ19337
 Phoenix ID: BZ19347

Project ID: 1120 WESTCHESTER AVE BRONX
 Client ID: SB 12 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethane	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloropropene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromoethane	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloroethane	ND	27	27	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloropropane	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichloropropane	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
2,2-Dichloropropane	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
2-Chlorotoluene	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
2-Hexanone	ND	1300	270	ug/Kg	50	10/12/17	JLI	SW8260C
2-Isopropyltoluene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
4-Chlorotoluene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	1300	270	ug/Kg	50	10/12/17	JLI	SW8260C

Client ID: SB 12 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	270	270	ug/Kg	50	10/12/17	JLI	SW8260C
Acrylonitrile	ND	530	53	ug/Kg	50	10/12/17	JLI	SW8260C
Benzene	ND	60	27	ug/Kg	50	10/12/17	JLI	SW8260C
Bromobenzene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
Bromochloromethane	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
Bromodichloromethane	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
Bromoform	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
Bromomethane	ND	270	110	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon Disulfide	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon tetrachloride	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
Chlorobenzene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroethane	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroform	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
Chloromethane	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	250	27	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromochloromethane	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromomethane	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
Dichlorodifluoromethane	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
Ethylbenzene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
Hexachlorobutadiene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
Isopropylbenzene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
m&p-Xylene	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	270	270	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	530	53	ug/Kg	50	10/12/17	JLI	SW8260C
Methylene chloride	ND	270	270	ug/Kg	50	10/12/17	JLI	SW8260C
Naphthalene	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
n-Butylbenzene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
n-Propylbenzene	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
o-Xylene	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
p-Isopropyltoluene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
sec-Butylbenzene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
Styrene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
tert-Butylbenzene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
Tetrachloroethene	4000	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	530	130	ug/Kg	50	10/12/17	JLI	SW8260C
Toluene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	190	27	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	530	130	ug/Kg	50	10/12/17	JLI	SW8260C
Trichloroethene	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorofluoromethane	ND	270	53	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	270	27	ug/Kg	50	10/12/17	JLI	SW8260C
Vinyl chloride	ND	27	27	ug/Kg	50	10/12/17	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	50	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	95			%	50	10/12/17	JLI	70 - 130 %
% Dibromofluoromethane	81			%	50	10/12/17	JLI	70 - 130 %
% Toluene-d8	98			%	50	10/12/17	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>1,4-dioxane</u>								
1,4-dioxane	ND	2100	2100	ug/kg	50	10/12/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	98			%	50	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	95			%	50	10/12/17	JLI	70 - 130 %
% Toluene-d8	98			%	50	10/12/17	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1100	53	ug/Kg	50	10/12/17	JLI	SW8260C
Acrolein	ND	1100	130	ug/Kg	50	10/12/17	JLI	SW8260C
Acrylonitrile	ND	1100	27	ug/Kg	50	10/12/17	JLI	SW8260C
Tert-butyl alcohol	ND	5300	1100	ug/Kg	50	10/12/17	JLI	SW8260C
Field Extraction	Completed					10/10/17		SW5035A

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:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

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

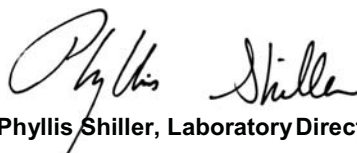
Volatile Comment:

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

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

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Phyllis Shiller, Laboratory Director

November 03, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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

Analysis Report
 November 03, 2017

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

Sample Information

Matrix: SOIL
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: TB
 Received by: SW
 Analyzed by: see "By" below

Date

10/10/17
 10/11/17

Time

16:03

Laboratory Data

SDG ID: GBZ19337
 Phoenix ID: BZ19348

Project ID: 1120 WESTCHESTER AVE BRONX
 Client ID: DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethane	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloropropene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromoethane	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloroethane	ND	23	23	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloropropane	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichloropropane	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
2,2-Dichloropropane	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
2-Chlorotoluene	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
2-Hexanone	ND	1100	230	ug/Kg	50	10/12/17	JLI	SW8260C
2-Isopropyltoluene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
4-Chlorotoluene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	1100	230	ug/Kg	50	10/12/17	JLI	SW8260C

Client ID: DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	230	230	ug/Kg	50	10/12/17	JLI	SW8260C
Acrylonitrile	ND	450	45	ug/Kg	50	10/12/17	JLI	SW8260C
Benzene	ND	60	23	ug/Kg	50	10/12/17	JLI	SW8260C
Bromobenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Bromochloromethane	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Bromodichloromethane	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
Bromoform	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
Bromomethane	ND	230	90	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon Disulfide	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon tetrachloride	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
Chlorobenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroethane	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroform	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Chloromethane	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromochloromethane	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromomethane	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
Dichlorodifluoromethane	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Ethylbenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Hexachlorobutadiene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Isopropylbenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
m&p-Xylene	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	230	230	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	450	45	ug/Kg	50	10/12/17	JLI	SW8260C
Methylene chloride	ND	230	230	ug/Kg	50	10/12/17	JLI	SW8260C
Naphthalene	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
n-Butylbenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
n-Propylbenzene	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
o-Xylene	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
p-Isopropyltoluene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
sec-Butylbenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Styrene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
tert-Butylbenzene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Tetrachloroethene	6600	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	450	110	ug/Kg	50	10/12/17	JLI	SW8260C
Toluene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	190	23	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	450	110	ug/Kg	50	10/12/17	JLI	SW8260C
Trichloroethene	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorofluoromethane	ND	230	45	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	230	23	ug/Kg	50	10/12/17	JLI	SW8260C
Vinyl chloride	ND	23	23	ug/Kg	50	10/12/17	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	50	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	95			%	50	10/12/17	JLI	70 - 130 %
% Dibromofluoromethane	80			%	50	10/12/17	JLI	70 - 130 %
% Toluene-d8	97			%	50	10/12/17	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>1,4-dioxane</u>								
1,4-dioxane	ND	1800	1800	ug/kg	50	10/12/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	98			%	50	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	95			%	50	10/12/17	JLI	70 - 130 %
% Toluene-d8	97			%	50	10/12/17	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	900	45	ug/Kg	50	10/12/17	JLI	SW8260C
Acrolein	ND	900	110	ug/Kg	50	10/12/17	JLI	SW8260C
Acrylonitrile	ND	900	23	ug/Kg	50	10/12/17	JLI	SW8260C
Tert-butyl alcohol	ND	4500	900	ug/Kg	50	10/12/17	JLI	SW8260C
Field Extraction	Completed					10/10/17		SW5035A

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:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

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

Volatile Comment:

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

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

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Phyllis Shiller, Laboratory Director

November 03, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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

Analysis Report
 November 03, 2017

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

Sample Information

Matrix: SOIL
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: TB
 Received by: SW
 Analyzed by: see "By" below

Date

10/10/17
 10/11/17

Time

16:03

Laboratory Data

SDG ID: GBZ19337
 Phoenix ID: BZ19349

Project ID: 1120 WESTCHESTER AVE BRONX
 Client ID: TRIP BLANK LL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
1,1-Dichloroethane	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
1,1-Dichloroethene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
1,1-Dichloropropene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
1,2-Dibromoethane	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
1,3-Dichloropropane	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
2,2-Dichloropropane	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
2-Chlorotoluene	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
2-Hexanone	ND	25	5.0	ug/Kg	1	10/12/17	JLI	SW8260C
2-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
4-Chlorotoluene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	5.0	ug/Kg	1	10/12/17	JLI	SW8260C

Client ID: TRIP BLANK LL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	25	5.0	ug/Kg	1	10/12/17	JLI	SW8260C
Acrylonitrile	ND	10	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
Benzene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
Bromobenzene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
Bromochloromethane	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
Bromoform	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
Bromomethane	ND	5.0	2.0	ug/Kg	1	10/12/17	JLI	SW8260C
Carbon Disulfide	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
Carbon tetrachloride	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
Chlorobenzene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
Chloroethane	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
Chloroform	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
Chloromethane	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
Dibromomethane	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
Dichlorodifluoromethane	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
Ethylbenzene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
Hexachlorobutadiene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
Isopropylbenzene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
m&p-Xylene	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	30	5.0	ug/Kg	1	10/12/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
Methylene chloride	ND	5.0	5.0	ug/Kg	1	10/12/17	JLI	SW8260C
Naphthalene	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
n-Butylbenzene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
n-Propylbenzene	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
o-Xylene	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
p-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
sec-Butylbenzene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
Styrene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
tert-Butylbenzene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	2.5	ug/Kg	1	10/12/17	JLI	SW8260C
Toluene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	2.5	ug/Kg	1	10/12/17	JLI	SW8260C
Trichloroethene	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
Trichlorofluoromethane	ND	5.0	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
Vinyl chloride	ND	5.0	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97			%	1	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	10/12/17	JLI	70 - 130 %
% Dibromofluoromethane	94			%	1	10/12/17	JLI	70 - 130 %
% Toluene-d8	98			%	1	10/12/17	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>1,4-dioxane</u>								
1,4-dioxane	ND	75	40	ug/kg	1	10/12/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	97			%	1	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	10/12/17	JLI	70 - 130 %
% Toluene-d8	98			%	1	10/12/17	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	20	1.0	ug/Kg	1	10/12/17	JLI	SW8260C
Acrolein	ND	20	2.5	ug/Kg	1	10/12/17	JLI	SW8260C
Acrylonitrile	ND	20	0.50	ug/Kg	1	10/12/17	JLI	SW8260C
Tert-butyl alcohol	ND	100	20	ug/Kg	1	10/12/17	JLI	SW8260C
Field Extraction	Completed					10/10/17		SW5035A

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:

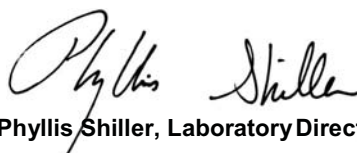
TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

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Phyllis Shiller, Laboratory Director

November 03, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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

Analysis Report
 November 03, 2017

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

Sample Information

Matrix: SOIL
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: TB
 Received by: SW
 Analyzed by: see "By" below

Date

10/10/17
 10/11/17

Time

16:03

Laboratory Data

SDG ID: GBZ19337
 Phoenix ID: BZ19350

Project ID: 1120 WESTCHESTER AVE BRONX
 Client ID: TRIP BLANK HL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethane	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloroethene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
1,1-Dichloropropene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dibromoethane	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloroethane	ND	25	25	ug/Kg	50	10/12/17	JLI	SW8260C
1,2-Dichloropropane	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
1,3-Dichloropropane	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
2,2-Dichloropropane	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
2-Chlorotoluene	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
2-Hexanone	ND	1300	250	ug/Kg	50	10/12/17	JLI	SW8260C
2-Isopropyltoluene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
4-Chlorotoluene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	1300	250	ug/Kg	50	10/12/17	JLI	SW8260C

Client ID: TRIP BLANK HL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	250	250	ug/Kg	50	10/12/17	JLI	SW8260C
Acrylonitrile	ND	500	50	ug/Kg	50	10/12/17	JLI	SW8260C
Benzene	ND	60	25	ug/Kg	50	10/12/17	JLI	SW8260C
Bromobenzene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
Bromochloromethane	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
Bromodichloromethane	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
Bromoform	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
Bromomethane	ND	250	100	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon Disulfide	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
Carbon tetrachloride	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
Chlorobenzene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroethane	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
Chloroform	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
Chloromethane	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromochloromethane	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
Dibromomethane	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
Dichlorodifluoromethane	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
Ethylbenzene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
Hexachlorobutadiene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
Isopropylbenzene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
m&p-Xylene	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	250	250	ug/Kg	50	10/12/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	500	50	ug/Kg	50	10/12/17	JLI	SW8260C
Methylene chloride	ND	250	250	ug/Kg	50	10/12/17	JLI	SW8260C
Naphthalene	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
n-Butylbenzene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
n-Propylbenzene	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
o-Xylene	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
p-Isopropyltoluene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
sec-Butylbenzene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
Styrene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
tert-Butylbenzene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
Tetrachloroethene	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	500	130	ug/Kg	50	10/12/17	JLI	SW8260C
Toluene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	190	25	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	500	130	ug/Kg	50	10/12/17	JLI	SW8260C
Trichloroethene	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorofluoromethane	ND	250	50	ug/Kg	50	10/12/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	250	25	ug/Kg	50	10/12/17	JLI	SW8260C
Vinyl chloride	ND	25	25	ug/Kg	50	10/12/17	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97			%	50	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	95			%	50	10/12/17	JLI	70 - 130 %
% Dibromofluoromethane	87			%	50	10/12/17	JLI	70 - 130 %
% Toluene-d8	97			%	50	10/12/17	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>1,4-dioxane</u>								
1,4-dioxane	ND	2000	2000	ug/kg	50	10/12/17	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	97			%	50	10/12/17	JLI	70 - 130 %
% Bromofluorobenzene	95			%	50	10/12/17	JLI	70 - 130 %
% Toluene-d8	97			%	50	10/12/17	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1000	50	ug/Kg	50	10/12/17	JLI	SW8260C
Acrolein	ND	1000	130	ug/Kg	50	10/12/17	JLI	SW8260C
Acrylonitrile	ND	1000	25	ug/Kg	50	10/12/17	JLI	SW8260C
Tert-butyl alcohol	ND	5000	1000	ug/Kg	50	10/12/17	JLI	SW8260C
Field Extraction	Completed					10/10/17		SW5035A

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:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

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Phyllis Shiller, Laboratory Director

November 03, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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QA/QC Report

November 03, 2017

QA/QC Data

SDG I.D.: GBZ19337

Parameter	Blk Blank RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 405722 (ug/kg), QC Sample No: BZ14550 (BZ19340 (200X))

Volatiles - Soil

Tetrachloroethene	ND	5.0	97	117	18.7	106	106	0.0	70 - 130	30
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QA/QC Batch 405590 (ug/kg), QC Sample No: BZ19047 (BZ19337 (50X) , BZ19338 (50X) , BZ19341 (50X) , BZ19342 (50X) , BZ19343 (50X) , BZ19344 (50X) , BZ19345 (50X) , BZ19346 (50X) , BZ19347 (50X) , BZ19348 (50X) , BZ19349, BZ19350 (50X))

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	5.0	114	117	2.6	106	123	14.8	70 - 130	30
1,1,1-Trichloroethane	ND	5.0	111	111	0.0	101	117	14.7	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	3.0	102	100	2.0	93	107	14.0	70 - 130	30
1,1,2-Trichloroethane	ND	5.0	104	102	1.9	97	112	14.4	70 - 130	30
1,1-Dichloroethane	ND	5.0	109	110	0.9	102	119	15.4	70 - 130	30
1,1-Dichloroethene	ND	5.0	103	104	1.0	91	104	13.3	70 - 130	30
1,1-Dichloropropene	ND	5.0	113	109	3.6	105	122	15.0	70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	112	111	0.9	103	116	11.9	70 - 130	30
1,2,3-Trichloropropane	ND	5.0	94	92	2.2	89	103	14.6	70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	109	106	2.8	97	110	12.6	70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	110	107	2.8	102	117	13.7	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	103	101	2.0	86	99	14.1	70 - 130	30
1,2-Dibromoethane	ND	5.0	105	103	1.9	99	115	15.0	70 - 130	30
1,2-Dichlorobenzene	ND	5.0	106	105	0.9	100	115	14.0	70 - 130	30
1,2-Dichloroethane	ND	5.0	104	102	1.9	98	115	16.0	70 - 130	30
1,2-Dichloropropane	ND	5.0	109	107	1.9	102	120	16.2	70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	110	109	0.9	104	119	13.5	70 - 130	30
1,3-Dichlorobenzene	ND	5.0	107	106	0.9	100	116	14.8	70 - 130	30
1,3-Dichloropropane	ND	5.0	99	99	0.0	97	112	14.4	70 - 130	30
1,4-Dichlorobenzene	ND	5.0	107	103	3.8	98	113	14.2	70 - 130	30
1,4-dioxane	ND	100	89	80	10.7	80	111	32.5	70 - 130	30
2,2-Dichloropropane	ND	5.0	117	117	0.0	103	117	12.7	70 - 130	30
2-Chlorotoluene	ND	5.0	111	111	0.0	104	120	14.3	70 - 130	30
2-Hexanone	ND	25	76	76	0.0	73	85	15.2	70 - 130	30
2-Isopropyltoluene	ND	5.0	106	105	0.9	100	116	14.8	70 - 130	30
4-Chlorotoluene	ND	5.0	111	107	3.7	102	118	14.5	70 - 130	30
4-Methyl-2-pentanone	ND	25	85	82	3.6	79	89	11.9	70 - 130	30
Acetone	ND	10	67	67	0.0	58	66	12.9	70 - 130	30
Acrolein	ND	25	86	94	8.9	59	66	11.2	70 - 130	30
Acrylonitrile	ND	5.0	84	87	3.5	83	94	12.4	70 - 130	30
Benzene	ND	1.0	109	109	0.0	103	119	14.4	70 - 130	30
Bromobenzene	ND	5.0	109	106	2.8	102	118	14.5	70 - 130	30
Bromochloromethane	ND	5.0	104	100	3.9	96	110	13.6	70 - 130	30
Bromodichloromethane	ND	5.0	118	116	1.7	101	117	14.7	70 - 130	30
Bromoform	ND	5.0	114	116	1.7	91	103	12.4	70 - 130	30
Bromomethane	ND	5.0	89	86	3.4	46	47	2.2	70 - 130	30
Carbon Disulfide	ND	5.0	114	115	0.9	74	85	13.8	70 - 130	30

QA/QC Data

SDG I.D.: GBZ19337

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
	Blank	RL									
Carbon tetrachloride	ND	5.0	118	120	1.7	99	114	14.1	70 - 130	30	
Chlorobenzene	ND	5.0	107	108	0.9	101	119	16.4	70 - 130	30	
Chloroethane	ND	5.0	86	87	1.2	15	17	12.5	70 - 130	30	m
Chloroform	ND	5.0	108	109	0.9	94	109	14.8	70 - 130	30	
Chloromethane	ND	5.0	76	76	0.0	71	84	16.8	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	109	106	2.8	100	115	14.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	122	120	1.7	107	127	17.1	70 - 130	30	
Dibromochloromethane	ND	3.0	120	121	0.8	103	120	15.2	70 - 130	30	
Dibromomethane	ND	5.0	106	103	2.9	96	112	15.4	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	85	84	1.2	79	90	13.0	70 - 130	30	
Ethylbenzene	ND	1.0	108	108	0.0	100	117	15.7	70 - 130	30	
Hexachlorobutadiene	ND	5.0	118	117	0.9	111	127	13.4	70 - 130	30	
Isopropylbenzene	ND	1.0	114	114	0.0	107	123	13.9	70 - 130	30	
m&p-Xylene	ND	2.0	108	109	0.9	102	118	14.5	70 - 130	30	
Methyl ethyl ketone	ND	5.0	77	82	6.3	72	86	17.7	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	102	101	1.0	99	114	14.1	70 - 130	30	
Methylene chloride	ND	5.0	84	85	1.2	81	92	12.7	70 - 130	30	
Naphthalene	ND	5.0	117	116	0.9	108	122	12.2	70 - 130	30	
n-Butylbenzene	ND	1.0	115	113	1.8	105	120	13.3	70 - 130	30	
n-Propylbenzene	ND	1.0	111	110	0.9	104	119	13.5	70 - 130	30	
o-Xylene	ND	2.0	112	114	1.8	107	124	14.7	70 - 130	30	
p-Isopropyltoluene	ND	1.0	117	114	2.6	107	123	13.9	70 - 130	30	
sec-Butylbenzene	ND	1.0	119	117	1.7	111	127	13.4	70 - 130	30	
Styrene	ND	5.0	110	111	0.9	103	120	15.2	70 - 130	30	
tert-butyl alcohol	ND	100	93	87	6.7	79	110	32.8	70 - 130	30	r
tert-Butylbenzene	ND	1.0	114	113	0.9	108	124	13.8	70 - 130	30	
Tetrachloroethene	ND	5.0	112	110	1.8	102	117	13.7	70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	79	79	0.0	75	88	16.0	70 - 130	30	
Toluene	ND	1.0	111	109	1.8	101	118	15.5	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	104	104	0.0	98	112	13.3	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	116	114	1.7	103	119	14.4	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	109	106	2.8	93	107	14.0	70 - 130	30	
Trichloroethene	ND	5.0	112	110	1.8	101	118	15.5	70 - 130	30	
Trichlorofluoromethane	ND	5.0	80	79	1.3	13	14	7.4	70 - 130	30	m
Trichlorotrifluoroethane	ND	5.0	95	94	1.1	89	102	13.6	70 - 130	30	
Vinyl chloride	ND	5.0	81	80	1.2	69	79	13.5	70 - 130	30	m
% 1,2-dichlorobenzene-d4	98	%	97	100	3.0	99	99	0.0	70 - 130	30	
% Bromofluorobenzene	97	%	99	101	2.0	99	100	1.0	70 - 130	30	
% Dibromofluoromethane	94	%	96	99	3.1	97	97	0.0	70 - 130	30	
% Toluene-d8	98	%	101	100	1.0	101	102	1.0	70 - 130	30	

QA/QC Batch 405719 (ug/kg), QC Sample No: BZ19339 (BZ19337 (200X) , BZ19338 (1000X) , BZ19339 (50X) , BZ19342 (500X) , BZ19343 (50X) , BZ19344 (250X))

Volatiles - Soil

Tetrachloroethene	ND	5.0	114	117	2.6	109	94	14.8	70 - 130	30	
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QA/QC Batch 405600 (ug/kg), QC Sample No: BZ20229 (BZ19340 (50X))

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	5.0	123	117	5.0	104	125	18.3	70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	119	114	4.3	113	123	8.5	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	112	107	4.6	97	110	12.6	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	109	109	0.0	96	108	11.8	70 - 130	30	
1,1-Dichloroethane	ND	5.0	118	111	6.1	108	122	12.2	70 - 130	30	
1,1-Dichloroethene	ND	5.0	113	106	6.4	108	117	8.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBZ19337

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
1,1-Dichloropropene	ND	5.0	118	114	3.4	114	124	8.4	70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	102	103	1.0	74	84	12.7	70 - 130	30
1,2,3-Trichloropropane	ND	5.0	104	102	1.9	92	105	13.2	70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	94	93	1.1	71	79	10.7	70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	109	105	3.7	97	111	13.5	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	117	110	6.2	95	106	10.9	70 - 130	30
1,2-Dibromoethane	ND	5.0	112	110	1.8	98	110	11.5	70 - 130	30
1,2-Dichlorobenzene	ND	5.0	108	105	2.8	90	104	14.4	70 - 130	30
1,2-Dichloroethane	ND	5.0	111	110	0.9	96	111	14.5	70 - 130	30
1,2-Dichloropropane	ND	5.0	115	113	1.8	102	119	15.4	70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	112	108	3.6	100	116	14.8	70 - 130	30
1,3-Dichlorobenzene	ND	5.0	108	103	4.7	91	105	14.3	70 - 130	30
1,3-Dichloropropane	ND	5.0	106	104	1.9	92	106	14.1	70 - 130	30
1,4-Dichlorobenzene	ND	5.0	104	101	2.9	87	102	15.9	70 - 130	30
1,4-dioxane	ND	100	98	87	11.9	118	97	19.5	70 - 130	30
2,2-Dichloropropane	ND	5.0	124	114	8.4	113	122	7.7	70 - 130	30
2-Chlorotoluene	ND	5.0	112	109	2.7	101	119	16.4	70 - 130	30
2-Hexanone	ND	25	89	89	0.0	77	83	7.5	70 - 130	30
2-Isopropyltoluene	ND	5.0	110	105	4.7	95	110	14.6	70 - 130	30
4-Chlorotoluene	ND	5.0	110	105	4.7	98	113	14.2	70 - 130	30
4-Methyl-2-pentanone	ND	25	95	94	1.1	83	87	4.7	70 - 130	30
Acetone	ND	10	76	79	3.9	87	89	2.3	70 - 130	30
Acrolein	ND	25	89	100	11.6	94	97	3.1	70 - 130	30
Acrylonitrile	ND	5.0	98	95	3.1	84	92	9.1	70 - 130	30
Benzene	ND	1.0	116	113	2.6	107	121	12.3	70 - 130	30
Bromobenzene	ND	5.0	113	109	3.6	97	115	17.0	70 - 130	30
Bromochloromethane	ND	5.0	111	108	2.7	96	107	10.8	70 - 130	30
Bromodichloromethane	ND	5.0	123	120	2.5	105	122	15.0	70 - 130	30
Bromoform	ND	5.0	122	119	2.5	97	115	17.0	70 - 130	30
Bromomethane	ND	5.0	97	94	3.1	85	99	15.2	70 - 130	30
Carbon Disulfide	ND	5.0	124	118	5.0	111	126	12.7	70 - 130	30
Carbon tetrachloride	ND	5.0	127	120	5.7	118	131	10.4	70 - 130	30
Chlorobenzene	ND	5.0	110	107	2.8	98	114	15.1	70 - 130	30
Chloroethane	ND	5.0	96	92	4.3	90	99	9.5	70 - 130	30
Chloroform	ND	5.0	110	104	5.6	105	117	10.8	70 - 130	30
Chloromethane	ND	5.0	93	87	6.7	83	90	8.1	70 - 130	30
cis-1,2-Dichloroethene	ND	5.0	114	110	3.6	104	115	10.0	70 - 130	30
cis-1,3-Dichloropropene	ND	5.0	126	124	1.6	105	122	15.0	70 - 130	30
Dibromochloromethane	ND	3.0	128	124	3.2	105	123	15.8	70 - 130	30
Dibromomethane	ND	5.0	113	112	0.9	98	111	12.4	70 - 130	30
Dichlorodifluoromethane	ND	5.0	112	107	4.6	105	112	6.5	70 - 130	30
Ethylbenzene	ND	1.0	110	105	4.7	101	115	13.0	70 - 130	30
Hexachlorobutadiene	ND	5.0	117	113	3.5	79	94	17.3	70 - 130	30
Isopropylbenzene	ND	1.0	119	112	6.1	109	126	14.5	70 - 130	30
m&p-Xylene	ND	2.0	111	106	4.6	100	114	13.1	70 - 130	30
Methyl ethyl ketone	ND	5.0	91	86	5.6	78	80	2.5	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	112	110	1.8	99	109	9.6	70 - 130	30
Methylene chloride	ND	5.0	89	87	2.3	86	100	15.1	70 - 130	30
Naphthalene	ND	5.0	112	115	2.6	93	102	9.2	70 - 130	30
n-Butylbenzene	ND	1.0	112	106	5.5	94	106	12.0	70 - 130	30
n-Propylbenzene	ND	1.0	115	109	5.4	103	116	11.9	70 - 130	30
o-Xylene	ND	2.0	116	112	3.5	103	120	15.2	70 - 130	30
p-Isopropyltoluene	ND	1.0	116	111	4.4	101	117	14.7	70 - 130	30

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QA/QC Data

SDG I.D.: GBZ19337

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
sec-Butylbenzene	ND	1.0	122	116	5.0	107	124	14.7	70 - 130	30
Styrene	ND	5.0	113	108	4.5	97	112	14.4	70 - 130	30
tert-butyl alcohol	ND	100	100	98	2.0	108	105	2.8	70 - 130	30
tert-Butylbenzene	ND	1.0	120	114	5.1	107	124	14.7	70 - 130	30
Tetrahydrofuran (THF)	ND	5.0	89	90	1.1	83	83	0.0	70 - 130	30
Toluene	ND	1.0	115	111	3.5	105	119	12.5	70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	113	108	4.5	105	116	10.0	70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	119	120	0.8	99	114	14.1	70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	119	116	2.6	92	104	12.2	70 - 130	30
Trichloroethene	ND	5.0	116	113	2.6	110	121	9.5	70 - 130	30
Trichlorofluoromethane	ND	5.0	87	84	3.5	86	91	5.6	70 - 130	30
Trichlorotrifluoroethane	ND	5.0	102	98	4.0	101	109	7.6	70 - 130	30
Vinyl chloride	ND	5.0	92	90	2.2	88	94	6.6	70 - 130	30
% 1,2-dichlorobenzene-d4	98	%	101	100	1.0	102	101	1.0	70 - 130	30
% Bromofluorobenzene	98	%	99	98	1.0	98	99	1.0	70 - 130	30
% Dibromofluoromethane	92	%	101	102	1.0	105	97	7.9	70 - 130	30
% Toluene-d8	98	%	100	102	2.0	101	102	1.0	70 - 130	30

QA/QC Batch 405929 (ug/kg), QC Sample No: BZ20695 (BZ19339)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	5.0	107	109	1.9	94	103	9.1	70 - 130	30
1,1,1-Trichloroethane	ND	5.0	97	98	1.0	91	95	4.3	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	3.0	106	105	0.9	105	104	1.0	70 - 130	30
1,1,2-Trichloroethane	ND	5.0	97	98	1.0	91	95	4.3	70 - 130	30
1,1-Dichloroethane	ND	5.0	101	102	1.0	98	101	3.0	70 - 130	30
1,1-Dichloroethene	ND	5.0	93	95	2.1	77	80	3.8	70 - 130	30
1,1-Dichloropropene	ND	5.0	99	101	2.0	82	89	8.2	70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	100	103	3.0	103	100	3.0	70 - 130	30
1,2,3-Trichloropropane	ND	5.0	90	88	2.2	94	87	7.7	70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	97	101	4.0	101	95	6.1	70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	98	101	3.0	97	98	1.0	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	110	109	0.9	105	99	5.9	70 - 130	30
1,2-Dibromoethane	ND	5.0	99	98	1.0	96	101	5.1	70 - 130	30
1,2-Dichlorobenzene	ND	5.0	103	106	2.9	104	104	0.0	70 - 130	30
1,2-Dichloroethane	ND	5.0	95	97	2.1	89	94	5.5	70 - 130	30
1,2-Dichloropropane	ND	5.0	102	104	1.9	96	100	4.1	70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	97	101	4.0	99	100	1.0	70 - 130	30
1,3-Dichlorobenzene	ND	5.0	99	103	4.0	101	99	2.0	70 - 130	30
1,3-Dichloropropane	ND	5.0	97	96	1.0	97	99	2.0	70 - 130	30
1,4-Dichlorobenzene	ND	5.0	101	106	4.8	103	101	2.0	70 - 130	30
1,4-dioxane	ND	100	82	87	5.9	87	78	10.9	70 - 130	30
2,2-Dichloropropane	ND	5.0	103	104	1.0	91	94	3.2	70 - 130	30
2-Chlorotoluene	ND	5.0	102	105	2.9	104	104	0.0	70 - 130	30
2-Hexanone	ND	25	86	82	4.8	85	82	3.6	70 - 130	30
2-Isopropyltoluene	ND	5.0	101	105	3.9	105	105	0.0	70 - 130	30
4-Chlorotoluene	ND	5.0	99	102	3.0	99	98	1.0	70 - 130	30
4-Methyl-2-pentanone	ND	25	93	92	1.1	95	88	7.7	70 - 130	30
Acetone	ND	10	71	66	7.3	59	60	1.7	70 - 130	30
Acrolein	ND	25	87	90	3.4	72	79	9.3	70 - 130	30
Acrylonitrile	ND	5.0	98	93	5.2	99	93	6.3	70 - 130	30
Benzene	ND	1.0	99	101	2.0	92	95	3.2	70 - 130	30
Bromobenzene	ND	5.0	106	108	1.9	107	108	0.9	70 - 130	30
Bromochloromethane	ND	5.0	98	97	1.0	100	101	1.0	70 - 130	30

l,m

QA/QC Data

SDG I.D.: GBZ19337

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
	Blank	RL									
Bromodichloromethane	ND	5.0	99	103	4.0	88	94	6.6	70 - 130	30	
Bromoform	ND	5.0	108	107	0.9	89	95	6.5	70 - 130	30	
Bromomethane	ND	5.0	93	97	4.2	77	80	3.8	70 - 130	30	
Carbon Disulfide	ND	5.0	99	103	4.0	69	79	13.5	70 - 130	30	m
Carbon tetrachloride	ND	5.0	101	102	1.0	86	91	5.6	70 - 130	30	
Chlorobenzene	ND	5.0	100	102	2.0	87	93	6.7	70 - 130	30	
Chloroethane	ND	5.0	100	103	3.0	93	92	1.1	70 - 130	30	
Chloroform	ND	5.0	92	92	0.0	90	92	2.2	70 - 130	30	
Chloromethane	ND	5.0	98	100	2.0	77	79	2.6	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	100	100	0.0	99	102	3.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	105	108	2.8	84	92	9.1	70 - 130	30	
Dibromochloromethane	ND	3.0	113	112	0.9	101	108	6.7	70 - 130	30	
Dibromomethane	ND	5.0	99	98	1.0	92	97	5.3	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	95	108	12.8	62	69	10.7	70 - 130	30	m
Ethylbenzene	ND	1.0	98	101	3.0	83	93	11.4	70 - 130	30	
Hexachlorobutadiene	ND	5.0	99	109	9.6	103	103	0.0	70 - 130	30	
Isopropylbenzene	ND	1.0	101	105	3.9	104	105	1.0	70 - 130	30	
m&p-Xylene	ND	2.0	97	98	1.0	76	87	13.5	70 - 130	30	
Methyl ethyl ketone	ND	5.0	82	77	6.3	83	78	6.2	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	102	101	1.0	100	103	3.0	70 - 130	30	
Methylene chloride	ND	5.0	87	88	1.1	94	92	2.2	70 - 130	30	
Naphthalene	ND	5.0	104	102	1.9	110	104	5.6	70 - 130	30	
n-Butylbenzene	ND	1.0	100	108	7.7	105	104	1.0	70 - 130	30	
n-Propylbenzene	ND	1.0	101	106	4.8	104	105	1.0	70 - 130	30	
o-Xylene	ND	2.0	102	104	1.9	83	91	9.2	70 - 130	30	
p-Isopropyltoluene	ND	1.0	99	105	5.9	104	104	0.0	70 - 130	30	
sec-Butylbenzene	ND	1.0	101	107	5.8	105	107	1.9	70 - 130	30	
Styrene	ND	5.0	98	99	1.0	79	86	8.5	70 - 130	30	
tert-butyl alcohol	ND	100	85	88	3.5	88	77	13.3	70 - 130	30	
tert-Butylbenzene	ND	1.0	99	104	4.9	103	105	1.9	70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	92	87	5.6	94	94	0.0	70 - 130	30	
Toluene	ND	1.0	101	103	2.0	85	91	6.8	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	90	92	2.2	82	84	2.4	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	100	102	2.0	80	88	9.5	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	114	115	0.9	96	95	1.0	70 - 130	30	
Trichloroethene	ND	5.0	100	103	3.0	89	94	5.5	70 - 130	30	
Trichlorofluoromethane	ND	5.0	89	94	5.5	76	80	5.1	70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	83	93	11.4	65	75	14.3	70 - 130	30	m
Vinyl chloride	ND	5.0	92	96	4.3	75	77	2.6	70 - 130	30	
% 1,2-dichlorobenzene-d4	94	%	105	102	2.9	99	99	0.0	70 - 130	30	
% Bromofluorobenzene	98	%	98	97	1.0	89	97	8.6	70 - 130	30	
% Dibromofluoromethane	103	%	99	97	2.0	105	101	3.9	70 - 130	30	
% Toluene-d8	91	%	103	104	1.0	97	100	3.0	70 - 130	30	

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

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

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

QA/QC Data

SDG I.D.: GBZ19337

Parameter	Blk Blank RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample


LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference


Phyllis Shiller, Laboratory Director
November 03, 2017

Friday, November 03, 2017

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GBZ19337 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Analysis Units
BZ19337	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	31	20	20	ug/Kg
BZ19337	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	31	20	20	ug/Kg
BZ19337	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	310	50	50	ug/Kg
BZ19337	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	310	50	50	ug/Kg
BZ19337	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	310	50	50	ug/Kg
BZ19337	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	310	50	50	ug/Kg
BZ19337	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	310	120	120	ug/Kg
BZ19337	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	310	120	120	ug/Kg
BZ19337	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	31	20	20	ug/Kg
BZ19337	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	31	20	20	ug/Kg
BZ19337	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Ground Water Protection	17000	1200	1300	1300	ug/Kg
BZ19337	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Residential	17000	1200	5500	5500	ug/Kg
BZ19337	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	17000	1200	1300	1300	ug/Kg
BZ19337	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	2400	100	100	ug/kg
BZ19337	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2400	100	100	ug/kg
BZ19338	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	23	20	20	ug/Kg
BZ19338	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	23	20	20	ug/Kg
BZ19338	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	230	50	50	ug/Kg
BZ19338	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	230	50	50	ug/Kg
BZ19338	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	230	50	50	ug/Kg
BZ19338	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	230	120	120	ug/Kg
BZ19338	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	230	120	120	ug/Kg
BZ19338	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	230	120	120	ug/Kg
BZ19338	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	23	20	20	ug/Kg
BZ19338	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	23	20	20	ug/Kg
BZ19338	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Ground Water Protection	57000	4600	1300	1300	ug/Kg
BZ19338	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Residential	57000	4600	5500	5500	ug/Kg
BZ19338	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Residential Restricted	57000	4600	19000	19000	ug/Kg
BZ19338	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	57000	4600	1300	1300	ug/Kg
BZ19338	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	1800	100	100	ug/kg
BZ19338	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1800	100	100	ug/kg
BZ19340	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	190	50	50	ug/Kg
BZ19340	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	190	50	50	ug/Kg
BZ19340	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	190	50	50	ug/Kg
BZ19340	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	190	50	50	ug/Kg
BZ19340	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	190	120	120	ug/Kg
BZ19340	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	190	120	120	ug/Kg
BZ19340	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Ground Water Protection	9600	770	1300	1300	ug/Kg
BZ19340	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Residential	9600	770	5500	5500	ug/Kg
BZ19340	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	9600	770	1300	1300	ug/Kg

Friday, November 03, 2017

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GBZ19337 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Analysis Units
BZ19340	\$DIOX_SM	1,4-dioxane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	1500	100	100	ug/kg
BZ19340	\$DIOX_SM	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1500	100	100	ug/kg
BZ19341	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Ground Water Protection	3700	240	1300	1300	ug/Kg
BZ19341	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	24	20	20	ug/Kg
BZ19341	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	240	50	50	ug/Kg
BZ19341	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	240	120	120	ug/Kg
BZ19341	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	24	20	20	ug/Kg
BZ19341	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	240	50	50	ug/Kg
BZ19341	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	240	120	120	ug/Kg
BZ19341	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	240	50	50	ug/Kg
BZ19341	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	3700	240	1300	1300	ug/Kg
BZ19341	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	24	20	20	ug/Kg
BZ19341	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	24	20	20	ug/Kg
BZ19341	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	240	50	50	ug/Kg
BZ19341	\$DIOX_SM	1,4-dioxane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	1900	100	100	ug/kg
BZ19341	\$DIOX_SM	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1900	100	100	ug/kg
BZ19342	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	24	20	20	ug/Kg
BZ19342	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	24	20	20	ug/Kg
BZ19342	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	240	50	50	ug/Kg
BZ19342	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	240	50	50	ug/Kg
BZ19342	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	240	50	50	ug/Kg
BZ19342	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	240	50	50	ug/Kg
BZ19342	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	240	120	120	ug/Kg
BZ19342	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	240	120	120	ug/Kg
BZ19342	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	24	20	20	ug/Kg
BZ19342	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	24	20	20	ug/Kg
BZ19342	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Ground Water Protection	29000	2400	1300	1300	ug/Kg
BZ19342	\$8260MADPR	Tetrachloroethene	Residential	29000	2400	5500	5500	ug/Kg
BZ19342	\$8260MADPR	Tetrachloroethene	Residential Restricted	29000	2400	19000	19000	ug/Kg
BZ19342	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	29000	2400	1300	1300	ug/Kg
BZ19342	\$DIOX_SM	1,4-dioxane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	1900	100	100	ug/kg
BZ19342	\$DIOX_SM	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1900	100	100	ug/kg
BZ19343	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	310	120	120	ug/Kg
BZ19343	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	31	20	20	ug/Kg
BZ19343	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	310	50	50	ug/Kg
BZ19343	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	310	50	50	ug/Kg
BZ19343	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Ground Water Protection	3900	310	1300	1300	ug/Kg
BZ19343	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	31	20	20	ug/Kg
BZ19343	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	310	120	120	ug/Kg
BZ19343	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	3900	310	1300	1300	ug/Kg

Friday, November 03, 2017

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GBZ19337 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Analysis Units
BZ19343	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles /	ND	310	50	50	ug/Kg
BZ19343	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles /	ND	31	20	20	ug/Kg
BZ19343	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles /	ND	31	20	20	ug/Kg
BZ19343	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles /	ND	310	50	50	ug/Kg
BZ19343	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles /	ND	2500	100	100	ug/kg
BZ19343	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles /	ND	2500	100	100	ug/kg
BZ19344	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles /	ND	24	20	20	ug/Kg
BZ19344	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles /	ND	24	20	20	ug/Kg
BZ19344	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles /	ND	240	50	50	ug/Kg
BZ19344	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles /	ND	240	50	50	ug/Kg
BZ19344	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles /	ND	240	50	50	ug/Kg
BZ19344	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles /	ND	240	50	50	ug/Kg
BZ19344	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles /	ND	240	120	120	ug/Kg
BZ19344	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles /	ND	240	120	120	ug/Kg
BZ19344	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles /	ND	24	20	20	ug/Kg
BZ19344	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles /	ND	24	20	20	ug/Kg
BZ19344	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles /	22000	1200	1300	1300	ug/Kg
BZ19344	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles /	22000	1200	5500	5500	ug/Kg
BZ19344	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles /	22000	1200	19000	19000	ug/Kg
BZ19344	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles /	22000	1200	1300	1300	ug/Kg
BZ19344	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles /	ND	1900	100	100	ug/kg
BZ19344	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles /	ND	1900	100	100	ug/kg
BZ19345	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles /	ND	200	120	120	ug/Kg
BZ19345	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles /	ND	200	50	50	ug/Kg
BZ19345	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles /	ND	200	50	50	ug/Kg
BZ19345	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles /	4300	200	1300	1300	ug/Kg
BZ19345	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles /	4300	200	1300	1300	ug/Kg
BZ19345	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles /	ND	200	50	50	ug/Kg
BZ19345	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles /	ND	200	50	50	ug/Kg
BZ19345	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles /	ND	200	120	120	ug/Kg
BZ19345	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles /	ND	1600	100	100	ug/kg
BZ19345	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles /	ND	1600	100	100	ug/kg
BZ19346	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles /	5600	260	1300	1300	ug/Kg
BZ19346	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles /	ND	26	20	20	ug/Kg
BZ19346	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles /	ND	26	20	20	ug/Kg
BZ19346	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles /	ND	260	50	50	ug/Kg
BZ19346	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles /	ND	260	120	120	ug/Kg
BZ19346	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles /	ND	260	50	50	ug/Kg
BZ19346	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles /	5600	260	5500	5500	ug/Kg
BZ19346	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles /	5600	260	1300	1300	ug/Kg

Friday, November 03, 2017

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GBZ19337 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Analysis Units
BZ19346	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	26	20	20	ug/Kg
BZ19346	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	260	50	50	ug/Kg
BZ19346	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	26	20	20	ug/Kg
BZ19346	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	260	120	120	ug/Kg
BZ19346	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	260	50	50	ug/Kg
BZ19346	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	2100	100	100	ug/kg
BZ19346	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2100	100	100	ug/kg
BZ19347	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	27	20	20	ug/Kg
BZ19347	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	27	20	20	ug/Kg
BZ19347	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	270	50	50	ug/Kg
BZ19347	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	270	120	120	ug/Kg
BZ19347	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	270	50	50	ug/Kg
BZ19347	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Ground Water Protection	4000	270	1300	1300	ug/Kg
BZ19347	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	27	20	20	ug/Kg
BZ19347	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	4000	270	1300	1300	ug/Kg
BZ19347	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	270	120	120	ug/Kg
BZ19347	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	270	50	50	ug/Kg
BZ19347	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	27	20	20	ug/Kg
BZ19347	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	270	50	50	ug/Kg
BZ19347	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	2100	100	100	ug/kg
BZ19347	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2100	100	100	ug/kg
BZ19348	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	230	120	120	ug/Kg
BZ19348	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	23	20	20	ug/Kg
BZ19348	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	23	20	20	ug/Kg
BZ19348	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	230	50	50	ug/Kg
BZ19348	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	230	50	50	ug/Kg
BZ19348	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Ground Water Protection	6600	230	1300	1300	ug/Kg
BZ19348	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Residential	6600	230	5500	5500	ug/Kg
BZ19348	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	23	20	20	ug/Kg
BZ19348	\$8260MADPR	Tetrachloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	6600	230	1300	1300	ug/Kg
BZ19348	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	230	50	50	ug/Kg
BZ19348	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	230	50	50	ug/Kg
BZ19348	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	23	20	20	ug/Kg
BZ19348	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	230	120	120	ug/Kg
BZ19348	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	1800	100	100	ug/kg
BZ19348	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1800	100	100	ug/kg

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



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



NY Temperature Narration

November 03, 2017

SDG I.D.: GBZ19337

The samples in this delivery group were received at 2.2°C.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes No
 Coolant: IPK ICE

Temp: 2 C Pg 1 of 2

Contact Options:

Fax:
 Phone: 631-504-6000
 Email: NYE

NY/NJ CHAIN OF CUSTODY RECORD

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



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

Project: 1120 Westchester Avenue Bronx
 Report to: Environmental Business Consultants
 Invoice to: Environmental Business Consultants

Project P.O.:
 This section **MUST** be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Tony Balabo Date: 10-10-17

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

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request	SOIL VOA Vials GL soil container (oz)	40m VOA Vial GL soil container (oz)	PL Amber 100mL PL ASst PL H2SO4 PL HNO3 250mL PL NaOH 250mL Bacteria Bottle
19337	SB35(0-2)	S	10-10-17	2:00pm				
19338	SB66(0-2)			11:30 AM				
19339	SB6(2-4)			11:45 AM				
19340	SB7(0-2)			3:50 AM				
19341	SB7(2-4)			9:00 AM				
19342	SB8(0-2)			12:30 pm				
19343	SB8(2-4)			12:45 P-				
19344	SB9(0-2)			1:10 pm				
19345	SB10(0-2)			9:45 am				
19346	SB11(0-2)			10:30 am				
19347	SB12(0-2)			9:00 am				

Relinquished by: [Signature] Accepted by: [Signature]
 Date: 10-11-17 Time: 12:50
 Date: 10-11-17 Time: 1003

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

NY
 Res. Criteria
 Non-Res. Criteria
 Impact to GW Soil Cleanup Criteria
 GW Criteria
 NY 375 GWP
 NY375 Unrestricted Use Soil
 NY375 Residential Soil
 Restricted/Residential Commercial
 Industrial

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

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

Comments, Special Requirements or Regulations:

Run MS/MSD on SB11(0-2)

State where samples were collected: NY



Friday, March 16, 2018

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

Project ID: 1120 WESTCHESTER AVE BRONX NY
Sample ID#s: CA02205 - CA02207

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

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

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

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

Sincerely yours,

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

Phyllis Shiller
Laboratory Director

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

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



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



SDG Comments

March 16, 2018

SDG I.D.: GCA02205

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

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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



Analysis Report

March 16, 2018

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

Sample Information

Matrix: TEDLAR BAG
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: KW
 Received by: B
 Analyzed by: see "By" below

Date

03/14/18
 03/14/18

Time

7:00
 16:35

Laboratory Data

SDG ID: GCA02205
 Phoenix ID: CA02205

Project ID: 1120 WESTCHESTER AVE BRONX NY
 Client ID: PRE CARBON

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	0.729	0.729	ND	5.00	5.00	03/15/18	KCA	5	1
1,1,1-Trichloroethane	ND	0.917	0.917	ND	5.00	5.00	03/15/18	KCA	5	1
1,1,2,2-Tetrachloroethane	ND	0.729	0.729	ND	5.00	5.00	03/15/18	KCA	5	1
1,1,2-Trichloroethane	ND	0.917	0.917	ND	5.00	5.00	03/15/18	KCA	5	1
1,1-Dichloroethane	ND	1.24	1.24	ND	5.02	5.02	03/15/18	KCA	5	1
1,1-Dichloroethene	ND	1.26	1.26	ND	4.99	4.99	03/15/18	KCA	5	1
1,2,4-Trimethylbenzene	ND	1.02	1.02	ND	5.01	5.01	03/15/18	KCA	5	1
1,2-Dibromoethane(EDB)	ND	0.651	0.651	ND	5.00	5.00	03/15/18	KCA	5	1
1,2-Dichloroethane	ND	1.24	1.24	ND	5.02	5.02	03/15/18	KCA	5	1
1,2-dichloropropane	ND	1.08	1.08	ND	4.99	4.99	03/15/18	KCA	5	1
1,2-Dichlorotetrafluoroethane	ND	0.716	0.716	ND	5.00	5.00	03/15/18	KCA	5	1
1,3,5-Trimethylbenzene	ND	1.02	1.02	ND	5.01	5.01	03/15/18	KCA	5	1
1,3-Butadiene	ND	2.26	2.26	ND	5.00	5.00	03/15/18	KCA	5	1
1,4-Dioxane	ND	1.39	1.39	ND	5.01	5.01	03/15/18	KCA	5	1
2-Hexanone(MBK)	ND	1.22	1.22	ND	4.99	4.99	03/15/18	KCA	5	1
4-Ethyltoluene	ND	1.02	1.02	ND	5.01	5.01	03/15/18	KCA	5	1
4-Isopropyltoluene	ND	0.911	0.911	ND	5.00	5.00	03/15/18	KCA	5	1
4-Methyl-2-pentanone(MIBK)	ND	1.22	1.22	ND	4.99	4.99	03/15/18	KCA	5	1
Acetone	10.3	S 2.11	2.11	24.5	5.01	5.01	03/15/18	KCA	5	1
Acrylonitrile	ND	2.31	2.31	ND	5.01	5.01	03/15/18	KCA	5	1
Benzene	ND	1.57	1.57	ND	5.01	5.01	03/15/18	KCA	5	1
Bromodichloromethane	ND	0.747	0.747	ND	5.00	5.00	03/15/18	KCA	5	1
Bromoform	ND	0.484	0.484	ND	5.00	5.00	03/15/18	KCA	5	1
Bromomethane	ND	1.29	1.29	ND	5.01	5.01	03/15/18	KCA	5	1
Carbon Disulfide	2.17	1.61	1.61	6.75	5.01	5.01	03/15/18	KCA	5	1
Carbon Tetrachloride	ND	0.198	0.198	ND	1.24	1.24	03/15/18	KCA	5	1

Client ID: PRE CARBON

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Chlorobenzene	ND	1.09	1.09	ND	5.01	5.01	03/15/18	KCA	5	1
Chloroethane	ND	1.90	1.90	ND	5.01	5.01	03/15/18	KCA	5	1
Chloroform	ND	1.02	1.02	ND	4.98	4.98	03/15/18	KCA	5	1
Chloromethane	ND	2.42	2.42	ND	4.99	4.99	03/15/18	KCA	5	1
Cis-1,2-Dichloroethene	2.82	1.26	1.26	11.2	4.99	4.99	03/15/18	KCA	5	1
cis-1,3-Dichloropropene	ND	1.10	1.10	ND	4.99	4.99	03/15/18	KCA	5	1
Cyclohexane	ND	1.45	1.45	ND	4.99	4.99	03/15/18	KCA	5	1
Dibromochloromethane	ND	0.587	0.587	ND	5.00	5.00	03/15/18	KCA	5	1
Dichlorodifluoromethane	ND	1.01	1.01	ND	4.99	4.99	03/15/18	KCA	5	1
Ethanol	101	2.66	2.66	190	5.01	5.01	03/15/18	KCA	5	1
Ethyl acetate	ND	1.39	1.39	ND	5.01	5.01	03/15/18	KCA	5	1
Ethylbenzene	ND	1.15	1.15	ND	4.99	4.99	03/15/18	KCA	5	1
Heptane	ND	1.22	1.22	ND	5.00	5.00	03/15/18	KCA	5	1
Hexachlorobutadiene	ND	0.469	0.469	ND	5.00	5.00	03/15/18	KCA	5	1
Hexane	ND	1.42	1.42	ND	5.00	5.00	03/15/18	KCA	5	1
Isopropylalcohol	27.6	2.04	2.04	67.8	5.01	5.01	03/15/18	KCA	5	1
Isopropylbenzene	ND	1.02	1.02	ND	5.01	5.01	03/15/18	KCA	5	1
m,p-Xylene	ND	1.15	1.15	ND	4.99	4.99	03/15/18	KCA	5	1
Methyl Ethyl Ketone	ND	1.70	1.70	ND	5.01	5.01	03/15/18	KCA	5	1
Methyl tert-butyl ether(MTBE)	ND	1.39	1.39	ND	5.01	5.01	03/15/18	KCA	5	1
Methylene Chloride	3.34	S 1.44	1.44	11.6	5.00	5.00	03/15/18	KCA	5	1
n-Butylbenzene	ND	0.911	0.911	ND	5.00	5.00	03/15/18	KCA	5	1
o-Xylene	ND	1.15	1.15	ND	4.99	4.99	03/15/18	KCA	5	1
Propylene	ND	2.91	2.91	ND	5.01	5.01	03/15/18	KCA	5	1
sec-Butylbenzene	ND	0.911	0.911	ND	5.00	5.00	03/15/18	KCA	5	1
Tetrachloroethene	179	0.184	0.184	1210	1.25	1.25	03/15/18	KCA	5	1
Tetrahydrofuran	ND	1.70	1.70	ND	5.01	5.01	03/15/18	KCA	5	1
Toluene	1.60	1.33	1.33	6.03	5.01	5.01	03/15/18	KCA	5	1
Trans-1,2-Dichloroethene	ND	1.26	1.26	ND	4.99	4.99	03/15/18	KCA	5	1
Trichloroethene	2.26	0.233	0.233	12.1	1.25	1.25	03/15/18	KCA	5	1
Trichlorofluoromethane	ND	0.891	0.891	ND	5.00	5.00	03/15/18	KCA	5	1
Trichlorotrifluoroethane	ND	0.653	0.653	ND	5.00	5.00	03/15/18	KCA	5	1
Vinyl Chloride	ND	0.489	0.489	ND	1.25	1.25	03/15/18	KCA	5	1
<u>QA/QC Surrogates</u>										
% Bromofluorobenzene	117	%	%	117	%	%	03/15/18	KCA	5	

Client ID: PRE CARBON

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

This sample was collected using a Tedlar airbag, possible low bias.

1 = not certified by NY NELAC. NY NELAC does not offer certification for samples received in Tedlar bags for EPA TO-15
The specified sampling device for EPA TO15 is a summa canister.

S - Laboratory solvent, contamination is possible.

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

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

Phyllis Shiller, Laboratory Director

March 16, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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

Analysis Report

March 16, 2018

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

Sample Information

Matrix: TEDLAR BAG
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: KW
 Received by: B
 Analyzed by: see "By" below

Date

03/14/18
 03/14/18

Time

7:05
 16:35

Laboratory Data

SDG ID: GCA02205
 Phoenix ID: CA02206

Project ID: 1120 WESTCHESTER AVE BRONX NY
 Client ID: MID CARBON

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/16/18	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/16/18	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/16/18	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/16/18	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/16/18	KCA	1
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/16/18	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/16/18	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	03/16/18	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/16/18	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	03/16/18	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	03/16/18	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/16/18	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	03/16/18	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	03/16/18	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	03/16/18	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	03/16/18	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	03/16/18	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	03/16/18	KCA	1
Acetone	4.13	S 0.421	0.421	9.8	1.00	1.00	03/16/18	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	03/16/18	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	03/16/18	KCA	1
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	03/16/18	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	03/16/18	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	03/16/18	KCA	1
Carbon Disulfide	2.15	0.321	0.321	6.69	1.00	1.00	03/16/18	KCA	1
Carbon Tetrachloride	ND	0.040	0.040	ND	0.25	0.25	03/16/18	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	03/16/18	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	03/16/18	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	03/16/18	KCA	1
Chloromethane	0.580	0.485	0.485	1.20	1.00	1.00	03/16/18	KCA	1
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/16/18	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/16/18	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	03/16/18	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	03/16/18	KCA	1
Dichlorodifluoromethane	0.663	0.202	0.202	3.28	1.00	1.00	03/16/18	KCA	1
Ethanol	172	E 0.531	0.531	324	1.00	1.00	03/16/18	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	03/16/18	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	03/16/18	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	03/16/18	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	03/16/18	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	03/16/18	KCA	1
Isopropylalcohol	3.99	0.407	0.407	9.8	1.00	1.00	03/16/18	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/16/18	KCA	1
m,p-Xylene	0.322	0.230	0.230	1.40	1.00	1.00	03/16/18	KCA	1
Methyl Ethyl Ketone	0.979	0.339	0.339	2.89	1.00	1.00	03/16/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	03/16/18	KCA	1
Methylene Chloride	3.20	0.288	0.288	11.1	1.00	1.00	03/16/18	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/16/18	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	03/16/18	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	03/16/18	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/16/18	KCA	1
Tetrachloroethene	0.254	0.037	0.037	1.72	0.25	0.25	03/16/18	KCA	1
Tetrahydrofuran	0.447	0.339	0.339	1.32	1.00	1.00	03/16/18	KCA	1
Toluene	1.66	0.266	0.266	6.25	1.00	1.00	03/16/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/16/18	KCA	1
Trichloroethene	0.080	0.047	0.047	0.43	0.25	0.25	03/16/18	KCA	1
Trichlorofluoromethane	0.336	0.178	0.178	1.89	1.00	1.00	03/16/18	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	03/16/18	KCA	1
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	03/16/18	KCA	1
<u>QA/QC Surrogates</u>									
% Bromofluorobenzene	109	%	%	109	%	%	03/16/18	KCA	1

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

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

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

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

Comments:

This sample was collected using a Tedlar airbag, possible low bias.

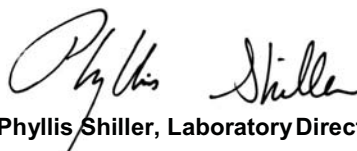
1 = not certified by NY NELAC. NY NELAC does not offer certification for samples received in Tedlar bags for EPA TO-15
The specified sampling device for EPA TO15 is a summa canister.

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

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

March 16, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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

Analysis Report

March 16, 2018

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

Sample Information

Matrix: TEDLAR BAG
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: KW
 Received by: B
 Analyzed by: see "By" below

Date

03/14/18
 03/14/18

Time

7:10
 16:35

Laboratory Data

SDG ID: GCA02205
 Phoenix ID: CA02207

Project ID: 1120 WESTCHESTER AVE BRONX NY
 Client ID: POST CARBON

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/16/18	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/16/18	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/16/18	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/16/18	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/16/18	KCA	1
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/16/18	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/16/18	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	03/16/18	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/16/18	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	03/16/18	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	03/16/18	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/16/18	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	03/16/18	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	03/16/18	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	03/16/18	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	03/16/18	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	03/16/18	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	03/16/18	KCA	1
Acetone	3.66	S 0.421	0.421	8.69	1.00	1.00	03/16/18	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	03/16/18	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	03/16/18	KCA	1
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	03/16/18	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	03/16/18	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	03/16/18	KCA	1
Carbon Disulfide	1.71	0.321	0.321	5.32	1.00	1.00	03/16/18	KCA	1
Carbon Tetrachloride	ND	0.040	0.040	ND	0.25	0.25	03/16/18	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	03/16/18	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	03/16/18	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	03/16/18	KCA	1
Chloromethane	0.639	0.485	0.485	1.32	1.00	1.00	03/16/18	KCA	1
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/16/18	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/16/18	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	03/16/18	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	03/16/18	KCA	1
Dichlorodifluoromethane	0.713	0.202	0.202	3.52	1.00	1.00	03/16/18	KCA	1
Ethanol	92.4	E 0.531	0.531	174	1.00	1.00	03/16/18	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	03/16/18	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	03/16/18	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	03/16/18	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	03/16/18	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	03/16/18	KCA	1
Isopropylalcohol	3.24	0.407	0.407	7.96	1.00	1.00	03/16/18	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/16/18	KCA	1
m,p-Xylene	0.338	0.230	0.230	1.47	1.00	1.00	03/16/18	KCA	1
Methyl Ethyl Ketone	0.560	0.339	0.339	1.65	1.00	1.00	03/16/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	03/16/18	KCA	1
Methylene Chloride	3.13	0.288	0.288	10.9	1.00	1.00	03/16/18	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/16/18	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	03/16/18	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	03/16/18	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/16/18	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	03/16/18	KCA	1
Tetrahydrofuran	0.592	0.339	0.339	1.74	1.00	1.00	03/16/18	KCA	1
Toluene	1.15	0.266	0.266	4.33	1.00	1.00	03/16/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/16/18	KCA	1
Trichloroethene	ND	0.047	0.047	ND	0.25	0.25	03/16/18	KCA	1
Trichlorofluoromethane	0.246	0.178	0.178	1.38	1.00	1.00	03/16/18	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	03/16/18	KCA	1
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	03/16/18	KCA	1
<u>QA/QC Surrogates</u>									
% Bromofluorobenzene	111	%	%	111	%	%	03/16/18	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

This sample was collected using a Tedlar airbag, possible low bias.

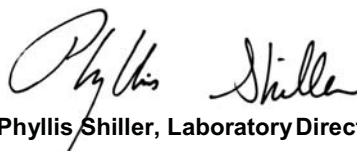
1 = not certified by NY NELAC. NY NELAC does not offer certification for samples received in Tedlar bags for EPA TO-15
The specified sampling device for EPA TO15 is a summa canister.

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

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

March 16, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Friday, March 16, 2018

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCA02205 - EBC

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

*** No Data to Display ***

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

NY/NJ CHAIN OF CUSTODY RECORD



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

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

Project: 1120 Wesleyan Dr BOYMAN Project P.O.
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Coolant: Yes No
Coolant: IPK ICE
Temp 3 °C Pg 1 of 1
Contact Options:
 Fax: _____
 Phone: 631-504-6000
 Email: file

This section **MUST** be
completed with
Bottle Quantities.

Sampler's Signature L WATERS
Client Sample - Information - Identification
Date: 3/14/18

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

PHOENIX USE ONLY	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
02205	Pre Carbon	Air	3/17/18	7:00	<u>1</u>
02206	Mid Carbon	↓	↓	7:05	<u>1</u>
02207	Post Carbon	↓	↓	7:10	<u>1</u>

GL 50L container () oz	GL 100ml VOA Vial ()	PL Asst ()	PL HSOX ()	PL HSOK ()	PL HQ ()	PL HQSOK ()	PL HQSOK ()	PL HQSOK ()	Bacteria Bottle
<u>10.17</u>									

Retinitiated by: _____
Accepted by: [Signature]
Date: 3-14-18 Time: 9:15
3-14-18 16:35

Comments, Special Requirements or Regulations:

Turnaround: <input type="checkbox"/> 1 Day* <input type="checkbox"/> 2 Days* <input checked="" type="checkbox"/> 3 Days* <input type="checkbox"/> 5 Days <input type="checkbox"/> 10 Days <input type="checkbox"/> Other * SURCHARGE APPLIES	NJ <input type="checkbox"/> Res. Criteria <input type="checkbox"/> Non-Res. Criteria <input type="checkbox"/> Impact to GW Soil Cleanup Criteria <input type="checkbox"/> GW Criteria	NY <input type="checkbox"/> NY 375 GWP <input type="checkbox"/> NY375 Unrestricted Use Soil <input type="checkbox"/> NY375 Residential Soil <input type="checkbox"/> Restricted/Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial	Data Format <input type="checkbox"/> Phoenix Std Report <input checked="" type="checkbox"/> Excel <input checked="" type="checkbox"/> PDF <input type="checkbox"/> GIS/Key <input checked="" type="checkbox"/> EQUIS <input type="checkbox"/> NJ Hazsite EDD <input checked="" type="checkbox"/> NY EZ EDD (ASP) <input type="checkbox"/> Other
--	--	--	--

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

State where samples were collected: NJ



Tuesday, November 14, 2017

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

Project ID: 1120 WESTCHESTER AVE BRONX
Sample ID#s: BZ39510 - BZ39511

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

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

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

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

Sincerely yours,

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

Phyllis Shiller
Laboratory Director

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

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



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



SDG Comments

November 14, 2017

SDG I.D.: GBZ39510

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

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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

Analysis Report
 November 14, 2017

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

Sample Information

Matrix: TEDLAR BAG
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: TG
 Received by: SW
 Analyzed by: see "By" below

Date Time
 11/09/17 11:00
 11/10/17 14:20

Laboratory Data

SDG ID: GBZ39510
 Phoenix ID: BZ39510

Project ID: 1120 WESTCHESTER AVE BRONX
 Client ID: PRE-CARBON

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.583	0.583	ND	4.00	4.00	11/13/17	KCA	4 1
1,1,1-Trichloroethane	ND	0.734	0.734	ND	4.00	4.00	11/13/17	KCA	4 1
1,1,2,2-Tetrachloroethane	ND	0.583	0.583	ND	4.00	4.00	11/13/17	KCA	4 1
1,1,2-Trichloroethane	ND	0.734	0.734	ND	4.00	4.00	11/13/17	KCA	4 1
1,1-Dichloroethane	ND	0.989	0.989	ND	4.00	4.00	11/13/17	KCA	4 1
1,1-Dichloroethene	ND	1.01	1.01	ND	4.00	4.00	11/13/17	KCA	4 1
1,2,4-Trimethylbenzene	ND	0.814	0.814	ND	4.00	4.00	11/13/17	KCA	4 1
1,2-Dibromoethane(EDB)	ND	0.521	0.521	ND	4.00	4.00	11/13/17	KCA	4 1
1,2-Dichloroethane	ND	0.989	0.989	ND	4.00	4.00	11/13/17	KCA	4 1
1,2-dichloropropane	ND	0.866	0.866	ND	4.00	4.00	11/13/17	KCA	4 1
1,2-Dichlorotetrafluoroethane	ND	0.573	0.573	ND	4.00	4.00	11/13/17	KCA	4 1
1,3,5-Trimethylbenzene	ND	0.814	0.814	ND	4.00	4.00	11/13/17	KCA	4 1
1,3-Butadiene	ND	1.81	1.81	ND	4.00	4.00	11/13/17	KCA	4 1
1,4-Dioxane	ND	1.11	1.11	ND	4.00	4.00	11/13/17	KCA	4 1
2-Hexanone(MBK)	ND	0.977	0.977	ND	4.00	4.00	11/13/17	KCA	4 1
4-Ethyltoluene	ND	0.814	0.814	ND	4.00	4.00	11/13/17	KCA	4 1
4-Isopropyltoluene	ND	0.729	0.729	ND	4.00	4.00	11/13/17	KCA	4 1
4-Methyl-2-pentanone(MIBK)	ND	0.977	0.977	ND	4.00	4.00	11/13/17	KCA	4 1
Acetone	ND	1.68	1.68	ND	3.99	3.99	11/13/17	KCA	4 1
Acrylonitrile	ND	1.84	1.84	ND	3.99	3.99	11/13/17	KCA	4 1
Benzene	ND	1.25	1.25	ND	3.99	3.99	11/13/17	KCA	4 1
Bromodichloromethane	ND	0.597	0.597	ND	4.00	4.00	11/13/17	KCA	4 1
Bromoform	ND	0.387	0.387	ND	4.00	4.00	11/13/17	KCA	4 1
Bromomethane	ND	1.03	1.03	ND	4.00	4.00	11/13/17	KCA	4 1
Carbon Disulfide	ND	1.29	1.29	ND	4.01	4.01	11/13/17	KCA	4 1
Carbon Tetrachloride	ND	0.159	0.159	ND	1.00	1.00	11/13/17	KCA	4 1

Client ID: PRE-CARBON

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Chlorobenzene	ND	0.869	0.869	ND	4.00	4.00	11/13/17	KCA	4	1
Chloroethane	ND	1.52	1.52	ND	4.01	4.01	11/13/17	KCA	4	1
Chloroform	ND	0.820	0.820	ND	4.00	4.00	11/13/17	KCA	4	1
Chloromethane	ND	1.94	1.94	ND	4.00	4.00	11/13/17	KCA	4	1
Cis-1,2-Dichloroethene	ND	1.01	1.01	ND	4.00	4.00	11/13/17	KCA	4	1
cis-1,3-Dichloropropene	ND	0.882	0.882	ND	4.00	4.00	11/13/17	KCA	4	1
Cyclohexane	ND	1.16	1.16	ND	3.99	3.99	11/13/17	KCA	4	1
Dibromochloromethane	ND	0.470	0.470	ND	4.00	4.00	11/13/17	KCA	4	1
Dichlorodifluoromethane	ND	0.809	0.809	ND	4.00	4.00	11/13/17	KCA	4	1
Ethanol	10.0	2.12	2.12	18.8	3.99	3.99	11/13/17	KCA	4	1
Ethyl acetate	ND	1.11	1.11	ND	4.00	4.00	11/13/17	KCA	4	1
Ethylbenzene	ND	0.922	0.922	ND	4.00	4.00	11/13/17	KCA	4	1
Heptane	ND	0.977	0.977	ND	4.00	4.00	11/13/17	KCA	4	1
Hexachlorobutadiene	ND	0.375	0.375	ND	4.00	4.00	11/13/17	KCA	4	1
Hexane	ND	1.14	1.14	ND	4.02	4.02	11/13/17	KCA	4	1
Isopropylalcohol	4.16	1.63	1.63	10.2	4.00	4.00	11/13/17	KCA	4	1
Isopropylbenzene	ND	0.814	0.814	ND	4.00	4.00	11/13/17	KCA	4	1
m,p-Xylene	2.18	0.922	0.922	9.46	4.00	4.00	11/13/17	KCA	4	1
Methyl Ethyl Ketone	13.7	1.36	1.36	40.4	4.01	4.01	11/13/17	KCA	4	1
Methyl tert-butyl ether(MTBE)	ND	1.11	1.11	ND	4.00	4.00	11/13/17	KCA	4	1
Methylene Chloride	ND	1.15	1.15	ND	3.99	3.99	11/13/17	KCA	4	1
n-Butylbenzene	ND	0.729	0.729	ND	4.00	4.00	11/13/17	KCA	4	1
o-Xylene	ND	0.922	0.922	ND	4.00	4.00	11/13/17	KCA	4	1
Propylene	ND	2.33	2.33	ND	4.01	4.01	11/13/17	KCA	4	1
sec-Butylbenzene	ND	0.729	0.729	ND	4.00	4.00	11/13/17	KCA	4	1
Tetrachloroethene	1890	2.58	2.58	12800	17.5	17.5	11/13/17	KCA	70	1
Tetrahydrofuran	1450	23.7	23.7	4270	69.9	69.9	11/13/17	KCA	70	1
Toluene	2.69	1.06	1.06	10.1	3.99	3.99	11/13/17	KCA	4	1
Trans-1,2-Dichloroethene	ND	1.01	1.01	ND	4.00	4.00	11/13/17	KCA	4	1
Trichloroethene	4.41	0.186	0.186	23.7	1.00	1.00	11/13/17	KCA	4	1
Trichlorofluoromethane	ND	0.712	0.712	ND	4.00	4.00	11/13/17	KCA	4	1
Trichlorotrifluoroethane	ND	0.522	0.522	ND	4.00	4.00	11/13/17	KCA	4	1
Vinyl Chloride	ND	0.391	0.391	ND	1.00	1.00	11/13/17	KCA	4	1
<u>QA/QC Surrogates</u>										
% Bromofluorobenzene	106	%	%	106	%	%	11/13/17	KCA	4	

Client ID: PRE-CARBON

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

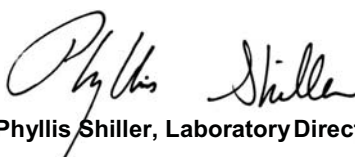
Comments:

This sample was collected using a Tedlar airbag, possible low bias.

1 = not certified by NY NELAC. NY NELAC does not offer certification for samples received in Tedlar bags for EPA TO-15
The specified sampling device for EPA TO15 is a summa canister.

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

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Phyllis Shiller, Laboratory Director

November 14, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report
 November 14, 2017

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

Sample Information

Matrix: TEDLAR BAG
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: TG
 Received by: SW
 Analyzed by: see "By" below

Date Time
 11/09/17 11:00
 11/10/17 14:20

Laboratory Data

SDG ID: GBZ39510
 Phoenix ID: BZ39511

Project ID: 1120 WESTCHESTER AVE BRONX
 Client ID: POST-CARBON

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.583	0.583	ND	4.00	4.00	11/13/17	KCA	4
1,1,1-Trichloroethane	ND	0.734	0.734	ND	4.00	4.00	11/13/17	KCA	4
1,1,2,2-Tetrachloroethane	ND	0.583	0.583	ND	4.00	4.00	11/13/17	KCA	4
1,1,2-Trichloroethane	ND	0.734	0.734	ND	4.00	4.00	11/13/17	KCA	4
1,1-Dichloroethane	ND	0.989	0.989	ND	4.00	4.00	11/13/17	KCA	4
1,1-Dichloroethene	ND	1.01	1.01	ND	4.00	4.00	11/13/17	KCA	4
1,2,4-Trimethylbenzene	2.34	0.814	0.814	11.5	4.00	4.00	11/13/17	KCA	4
1,2-Dibromoethane(EDB)	ND	0.521	0.521	ND	4.00	4.00	11/13/17	KCA	4
1,2-Dichloroethane	ND	0.989	0.989	ND	4.00	4.00	11/13/17	KCA	4
1,2-dichloropropane	ND	0.866	0.866	ND	4.00	4.00	11/13/17	KCA	4
1,2-Dichlorotetrafluoroethane	ND	0.573	0.573	ND	4.00	4.00	11/13/17	KCA	4
1,3,5-Trimethylbenzene	ND	0.814	0.814	ND	4.00	4.00	11/13/17	KCA	4
1,3-Butadiene	ND	1.81	1.81	ND	4.00	4.00	11/13/17	KCA	4
1,4-Dioxane	ND	1.11	1.11	ND	4.00	4.00	11/13/17	KCA	4
2-Hexanone(MBK)	ND	0.977	0.977	ND	4.00	4.00	11/13/17	KCA	4
4-Ethyltoluene	ND	0.814	0.814	ND	4.00	4.00	11/13/17	KCA	4
4-Isopropyltoluene	ND	0.729	0.729	ND	4.00	4.00	11/13/17	KCA	4
4-Methyl-2-pentanone(MIBK)	ND	0.977	0.977	ND	4.00	4.00	11/13/17	KCA	4
Acetone	76.2	1.68	1.68	181	3.99	3.99	11/13/17	KCA	4
Acrylonitrile	ND	1.84	1.84	ND	3.99	3.99	11/13/17	KCA	4
Benzene	ND	1.25	1.25	ND	3.99	3.99	11/13/17	KCA	4
Bromodichloromethane	ND	0.597	0.597	ND	4.00	4.00	11/13/17	KCA	4
Bromoform	ND	0.387	0.387	ND	4.00	4.00	11/13/17	KCA	4
Bromomethane	ND	1.03	1.03	ND	4.00	4.00	11/13/17	KCA	4
Carbon Disulfide	ND	1.29	1.29	ND	4.01	4.01	11/13/17	KCA	4
Carbon Tetrachloride	ND	0.159	0.159	ND	1.00	1.00	11/13/17	KCA	4

Client ID: POST-CARBON

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Chlorobenzene	ND	0.869	0.869	ND	4.00	4.00	11/13/17	KCA	4
Chloroethane	ND	1.52	1.52	ND	4.01	4.01	11/13/17	KCA	4
Chloroform	ND	0.820	0.820	ND	4.00	4.00	11/13/17	KCA	4
Chloromethane	ND	1.94	1.94	ND	4.00	4.00	11/13/17	KCA	4
Cis-1,2-Dichloroethene	ND	1.01	1.01	ND	4.00	4.00	11/13/17	KCA	4
cis-1,3-Dichloropropene	ND	0.882	0.882	ND	4.00	4.00	11/13/17	KCA	4
Cyclohexane	ND	1.16	1.16	ND	3.99	3.99	11/13/17	KCA	4
Dibromochloromethane	ND	0.470	0.470	ND	4.00	4.00	11/13/17	KCA	4
Dichlorodifluoromethane	ND	0.809	0.809	ND	4.00	4.00	11/13/17	KCA	4
Ethanol	9.56	2.12	2.12	18.0	3.99	3.99	11/13/17	KCA	4
Ethyl acetate	ND	1.11	1.11	ND	4.00	4.00	11/13/17	KCA	4
Ethylbenzene	ND	0.922	0.922	ND	4.00	4.00	11/13/17	KCA	4
Heptane	ND	0.977	0.977	ND	4.00	4.00	11/13/17	KCA	4
Hexachlorobutadiene	ND	0.375	0.375	ND	4.00	4.00	11/13/17	KCA	4
Hexane	ND	1.14	1.14	ND	4.02	4.02	11/13/17	KCA	4
Isopropylalcohol	ND	1.63	1.63	ND	4.00	4.00	11/13/17	KCA	4
Isopropylbenzene	ND	0.814	0.814	ND	4.00	4.00	11/13/17	KCA	4
m,p-Xylene	4.08	0.922	0.922	17.7	4.00	4.00	11/13/17	KCA	4
Methyl Ethyl Ketone	5.21	1.36	1.36	15.4	4.01	4.01	11/13/17	KCA	4
Methyl tert-butyl ether(MTBE)	ND	1.11	1.11	ND	4.00	4.00	11/13/17	KCA	4
Methylene Chloride	ND	1.15	1.15	ND	3.99	3.99	11/13/17	KCA	4
n-Butylbenzene	ND	0.729	0.729	ND	4.00	4.00	11/13/17	KCA	4
o-Xylene	1.32	0.922	0.922	5.73	4.00	4.00	11/13/17	KCA	4
Propylene	ND	2.33	2.33	ND	4.01	4.01	11/13/17	KCA	4
sec-Butylbenzene	ND	0.729	0.729	ND	4.00	4.00	11/13/17	KCA	4
Tetrachloroethene	1.60	0.148	0.148	10.8	1.00	1.00	11/13/17	KCA	4
Tetrahydrofuran	122	1.36	1.36	360	4.01	4.01	11/13/17	KCA	4
Toluene	3.03	1.06	1.06	11.4	3.99	3.99	11/13/17	KCA	4
Trans-1,2-Dichloroethene	ND	1.01	1.01	ND	4.00	4.00	11/13/17	KCA	4
Trichloroethene	ND	0.186	0.186	ND	1.00	1.00	11/13/17	KCA	4
Trichlorofluoromethane	ND	0.712	0.712	ND	4.00	4.00	11/13/17	KCA	4
Trichlorotrifluoroethane	ND	0.522	0.522	ND	4.00	4.00	11/13/17	KCA	4
Vinyl Chloride	ND	0.391	0.391	ND	1.00	1.00	11/13/17	KCA	4
<u>QA/QC Surrogates</u>									
% Bromofluorobenzene	106	%	%	106	%	%	11/13/17	KCA	4

Client ID: POST-CARBON

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

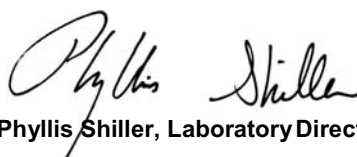
This sample was collected using a Tedlar airbag, possible low bias.

1 = not certified by NY NELAC. NY NELAC does not offer certification for samples received in Tedlar bags for EPA TO-15

The specified sampling device for EPA TO15 is a summa canister.

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

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Phyllis Shiller, Laboratory Director

November 14, 2017

Reviewed and Released by: Ethan Lee, Project Manager

Tuesday, November 14, 2017

Criteria: None

State: NY

Sample Criteria Exceedances Report

GBZ39510 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
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*** No Data to Display ***

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



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



NY Temperature Narration

November 14, 2017

SDG I.D.: GBZ39510

Temperature narration is not applicable for Air matrices.



Wednesday, June 13, 2018

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

Project ID: 1120 WESTCHESTER AVE BRONX
Sample ID#s: CA66947 - CA66948

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

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

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

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

Sincerely yours,

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

Phyllis Shiller
Laboratory Director

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

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



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

Analysis Report

June 13, 2018

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

Sample Information

Matrix: TEDLAR BAG
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: SI
 Received by: SW
 Analyzed by: see "By" below

Date

06/07/18
 06/08/18

Time

14:15
 16:38

Laboratory Data

SDG ID: GCA66947
 Phoenix ID: CA66947

Project ID: 1120 WESTCHESTER AVE BRONX
 Client ID: PRE-CARBON

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	06/09/18	KCA	1 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	06/09/18	KCA	1 1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	06/09/18	KCA	1 1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	06/09/18	KCA	1 1
1,1-Dichloroethane	ND	0.247	ND	1.00	06/09/18	KCA	1 1
1,1-Dichloroethene	ND	0.252	ND	1.00	06/09/18	KCA	1 1
1,2,4-Trimethylbenzene	0.426	0.204	2.09	1.00	06/09/18	KCA	1 1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	06/09/18	KCA	1 1
1,2-Dichloroethane	ND	0.247	ND	1.00	06/09/18	KCA	1 1
1,2-dichloropropane	ND	0.217	ND	1.00	06/09/18	KCA	1 1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	06/09/18	KCA	1 1
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	06/09/18	KCA	1 1
1,3-Butadiene	ND	0.452	ND	1.00	06/09/18	KCA	1 1
1,4-Dioxane	ND	0.278	ND	1.00	06/09/18	KCA	1 1
2-Hexanone(MBK)	ND	0.244	ND	1.00	06/09/18	KCA	1 1
4-Ethyltoluene	0.273	0.204	1.34	1.00	06/09/18	KCA	1 1
4-Isopropyltoluene	ND	0.182	ND	1.00	06/09/18	KCA	1 1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	06/09/18	KCA	1 1
Acetone	11.5	0.421	27.3	1.00	06/09/18	KCA	1 1
Acrylonitrile	ND	0.461	ND	1.00	06/09/18	KCA	1 1
Benzene	0.326	0.313	1.04	1.00	06/09/18	KCA	1 1
Bromodichloromethane	ND	0.149	ND	1.00	06/09/18	KCA	1 1
Bromoform	ND	0.097	ND	1.00	06/09/18	KCA	1 1
Bromomethane	ND	0.258	ND	1.00	06/09/18	KCA	1 1
Carbon Disulfide	ND	0.321	ND	1.00	06/09/18	KCA	1 1
Carbon Tetrachloride	0.088	0.040	0.55	0.25	06/09/18	KCA	1 1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Chlorobenzene	ND	0.217	ND	1.00	06/09/18	KCA	1	1
Chloroethane	ND	0.379	ND	1.00	06/09/18	KCA	1	1
Chloroform	0.305	0.205	1.49	1.00	06/09/18	KCA	1	1
Chloromethane	ND	0.485	ND	1.00	06/09/18	KCA	1	1
Cis-1,2-Dichloroethene	1.96	0.252	7.77	1.00	06/09/18	KCA	1	1
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	06/09/18	KCA	1	1
Cyclohexane	ND	0.291	ND	1.00	06/09/18	KCA	1	1
Dibromochloromethane	ND	0.118	ND	1.00	06/09/18	KCA	1	1
Dichlorodifluoromethane	ND	0.202	ND	1.00	06/09/18	KCA	1	1
Ethanol	99.7	E 0.531	188	1.00	06/09/18	KCA	1	1
Ethyl acetate	ND	0.278	ND	1.00	06/09/18	KCA	1	1
Ethylbenzene	ND	0.230	ND	1.00	06/09/18	KCA	1	1
Heptane	ND	0.244	ND	1.00	06/09/18	KCA	1	1
Hexachlorobutadiene	ND	0.094	ND	1.00	06/09/18	KCA	1	1
Hexane	ND	0.284	ND	1.00	06/09/18	KCA	1	1
Isopropylalcohol	66.5	E 0.407	163	1.00	06/09/18	KCA	1	1
Isopropylbenzene	ND	0.204	ND	1.00	06/09/18	KCA	1	1
m,p-Xylene	0.697	0.230	3.02	1.00	06/09/18	KCA	1	1
Methyl Ethyl Ketone	0.797	0.339	2.35	1.00	06/09/18	KCA	1	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	06/09/18	KCA	1	1
Methylene Chloride	0.878	S 0.288	3.05	1.00	06/09/18	KCA	1	1
n-Butylbenzene	ND	0.182	ND	1.00	06/09/18	KCA	1	1
o-Xylene	0.346	0.230	1.50	1.00	06/09/18	KCA	1	1
Propylene	ND	0.581	ND	1.00	06/09/18	KCA	1	1
sec-Butylbenzene	ND	0.182	ND	1.00	06/09/18	KCA	1	1
Tetrachloroethene	119	0.184	807	1.25	06/12/18	KCA	5	1
Tetrahydrofuran	0.612	0.339	1.80	1.00	06/09/18	KCA	1	1
Toluene	1.69	0.266	6.36	1.00	06/09/18	KCA	1	1
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	06/09/18	KCA	1	1
Trichloroethene	1.47	0.047	7.89	0.25	06/09/18	KCA	1	1
Trichlorofluoromethane	0.232	0.178	1.30	1.00	06/09/18	KCA	1	1
Trichlorotrifluoroethane	ND	0.131	ND	1.00	06/09/18	KCA	1	1
Vinyl Chloride	ND	0.098	ND	0.25	06/09/18	KCA	1	1
<u>QA/QC Surrogates</u>								
% Bromofluorobenzene	105	%	105	%	06/09/18	KCA	1	

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
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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 at RL/PQL

BRL=Below Reporting Level L=Biased Low

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

Comments:

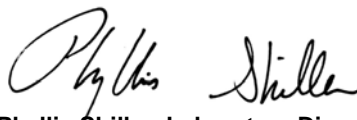
This sample was collected using a Tedlar airbag, possible low bias.

1 = not certified by NY NELAC. NY NELAC does not offer certification for samples received in Tedlar bags for EPA TO-15
The specified sampling device for EPA TO15 is a summa canister.

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

June 13, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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

Analysis Report

June 13, 2018

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

Sample Information

Matrix: TEDLAR BAG
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: SI
 Received by: SW
 Analyzed by: see "By" below

Date

06/07/18
 06/08/18

Time

14:20
 16:38

Laboratory Data

SDG ID: GCA66947
 Phoenix ID: CA66948

Project ID: 1120 WESTCHESTER AVE BRONX
 Client ID: POST-CARBON

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	06/09/18	KCA	1 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	06/09/18	KCA	1 1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	06/09/18	KCA	1 1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	06/09/18	KCA	1 1
1,1-Dichloroethane	ND	0.247	ND	1.00	06/09/18	KCA	1 1
1,1-Dichloroethene	ND	0.252	ND	1.00	06/09/18	KCA	1 1
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	06/09/18	KCA	1 1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	06/09/18	KCA	1 1
1,2-Dichloroethane	ND	0.247	ND	1.00	06/09/18	KCA	1 1
1,2-dichloropropane	ND	0.217	ND	1.00	06/09/18	KCA	1 1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	06/09/18	KCA	1 1
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	06/09/18	KCA	1 1
1,3-Butadiene	ND	0.452	ND	1.00	06/09/18	KCA	1 1
1,4-Dioxane	ND	0.278	ND	1.00	06/09/18	KCA	1 1
2-Hexanone(MBK)	ND	0.244	ND	1.00	06/09/18	KCA	1 1
4-Ethyltoluene	ND	0.204	ND	1.00	06/09/18	KCA	1 1
4-Isopropyltoluene	ND	0.182	ND	1.00	06/09/18	KCA	1 1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	06/09/18	KCA	1 1
Acetone	4.19	S 0.421	9.9	1.00	06/09/18	KCA	1 1
Acrylonitrile	ND	0.461	ND	1.00	06/09/18	KCA	1 1
Benzene	ND	0.313	ND	1.00	06/09/18	KCA	1 1
Bromodichloromethane	ND	0.149	ND	1.00	06/09/18	KCA	1 1
Bromoform	ND	0.097	ND	1.00	06/09/18	KCA	1 1
Bromomethane	ND	0.258	ND	1.00	06/09/18	KCA	1 1
Carbon Disulfide	ND	0.321	ND	1.00	06/09/18	KCA	1 1
Carbon Tetrachloride	0.087	0.040	0.55	0.25	06/09/18	KCA	1 1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Chlorobenzene	ND	0.217	ND	1.00	06/09/18	KCA	1	1
Chloroethane	ND	0.379	ND	1.00	06/09/18	KCA	1	1
Chloroform	ND	0.205	ND	1.00	06/09/18	KCA	1	1
Chloromethane	0.633	0.485	1.31	1.00	06/09/18	KCA	1	1
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	06/09/18	KCA	1	1
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	06/09/18	KCA	1	1
Cyclohexane	ND	0.291	ND	1.00	06/09/18	KCA	1	1
Dibromochloromethane	ND	0.118	ND	1.00	06/09/18	KCA	1	1
Dichlorodifluoromethane	0.535	0.202	2.64	1.00	06/09/18	KCA	1	1
Ethanol	5.06	0.531	9.5	1.00	06/09/18	KCA	1	1
Ethyl acetate	ND	0.278	ND	1.00	06/09/18	KCA	1	1
Ethylbenzene	ND	0.230	ND	1.00	06/09/18	KCA	1	1
Heptane	ND	0.244	ND	1.00	06/09/18	KCA	1	1
Hexachlorobutadiene	ND	0.094	ND	1.00	06/09/18	KCA	1	1
Hexane	0.805	S 0.284	2.84	1.00	06/09/18	KCA	1	1
Isopropylalcohol	0.439	0.407	1.08	1.00	06/09/18	KCA	1	1
Isopropylbenzene	ND	0.204	ND	1.00	06/09/18	KCA	1	1
m,p-Xylene	ND	0.230	ND	1.00	06/09/18	KCA	1	1
Methyl Ethyl Ketone	ND	0.339	ND	1.00	06/09/18	KCA	1	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	06/09/18	KCA	1	1
Methylene Chloride	4.65	0.288	16.1	1.00	06/09/18	KCA	1	1
n-Butylbenzene	ND	0.182	ND	1.00	06/09/18	KCA	1	1
o-Xylene	ND	0.230	ND	1.00	06/09/18	KCA	1	1
Propylene	ND	0.581	ND	1.00	06/09/18	KCA	1	1
sec-Butylbenzene	ND	0.182	ND	1.00	06/09/18	KCA	1	1
Tetrachloroethene	0.040	0.037	0.27	0.25	06/09/18	KCA	1	1
Tetrahydrofuran	ND	0.339	ND	1.00	06/09/18	KCA	1	1
Toluene	0.510	0.266	1.92	1.00	06/09/18	KCA	1	1
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	06/09/18	KCA	1	1
Trichloroethene	ND	0.047	ND	0.25	06/09/18	KCA	1	1
Trichlorofluoromethane	0.277	0.178	1.56	1.00	06/09/18	KCA	1	1
Trichlorotrifluoroethane	ND	0.131	ND	1.00	06/09/18	KCA	1	1
Vinyl Chloride	ND	0.098	ND	0.25	06/09/18	KCA	1	1
<u>QA/QC Surrogates</u>								
% Bromofluorobenzene	96	%	96	%	06/09/18	KCA	1	

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
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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 at RL/PQL

BRL=Below Reporting Level L=Biased Low

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

Comments:

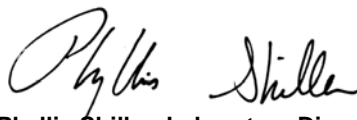
This sample was collected using a Tedlar airbag, possible low bias.

1 = not certified by NY NELAC. NY NELAC does not offer certification for samples received in Tedlar bags for EPA TO-15
The specified sampling device for EPA TO15 is a summa canister.

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

June 13, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



QA/QC Report

June 13, 2018

QA/QC Data

SDG I.D.: GCA66947

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 433895 (ppbv), QC Sample No: CA66881 (CA66947, CA66948)												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	111	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	111	ND	ND	ND	ND	NC	70 - 130	25
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	113	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	111	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	110	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	106	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	116	13.7	13.2	2.78	2.69	3.3	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	119	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	114	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	121	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	112	3.89	3.80	0.792	0.774	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	112	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	107	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	113	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	113	9.8	9.43	1.99	1.92	3.6	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	116	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	109	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	102	627	601	264	253	4.3	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	121	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	104	3.35	3.14	1.05	0.983	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	118	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	122	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	109	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	123	11.7	11.1	3.75	3.57	4.9	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	114	0.28	0.26	0.045	0.042	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	114	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	113	3.06	3.02	0.628	0.618	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	110	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	112	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	114	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	109	3.78	3.68	1.10	1.07	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	118	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	124	1.68	1.62	0.340	0.328	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	146	48.0	46.3	25.5	24.6	3.6	70 - 130	25
Ethyl acetate	ND	0.280	ND	1.01	110	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	115	7.42	7.16	1.71	1.65	3.6	70 - 130	25
Heptane	ND	0.240	ND	0.98	113	4.34	4.18	1.06	1.02	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	134	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	106	60.2	59.9	17.1	17.0	0.6	70 - 130	25

QA/QC Data

SDG I.D.: GCA66947

Parameter	Bik ppbv	Bik RL ppbv	Bik ug/m3	Bik RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Isopropylalcohol	ND	0.410	ND	1.01	107	32.9	31.9	13.4	13.0	3.0	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	120	1.51	1.38	0.308	0.280	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	118	26.9	26.4	6.19	6.08	1.8	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	109	28.6	27.7	9.7	9.39	3.2	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	111	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	102	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	122	2.39	2.30	0.436	0.420	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	121	10.8	10.3	2.48	2.37	4.5	70 - 130	25
Propylene	ND	0.580	ND	1.00	121	175	169	102	98.1	3.9	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	112	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	115	3.64	3.62	0.537	0.534	0.6	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	98	33.0	32.4	11.2	11.0	1.8	70 - 130	25
Toluene	ND	0.270	ND	1.02	120	44.4	44.1	11.8	11.7	0.9	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	110	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	111	1.14	1.14	0.213	0.213	0.0	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	111	ND	ND	ND	ND	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	105	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	102		102		104	89	86	89	86	NC	70 - 130	25

QA/QC Batch 434251 (ppbv), QC Sample No: CA68178 (CA66947 (5X))


Volatiles

Tetrachloroethene	ND	0.037	ND	0.25	114	226	239	33.3	35.2	5.5	70 - 130	25
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I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

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

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


 Phyllis Shiller, Laboratory Director
 June 13, 2018

Wednesday, June 13, 2018

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCA66947 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

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



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



Analysis Comments

June 13, 2018

SDG I.D.: GCA66947

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.



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



NY Temperature Narration

June 13, 2018

SDG I.D.: GCA66947

Temperature narration is not applicable for Air matrices.

NY/NJ CHAIN OF CUSTODY RECORD



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

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

Project: 1120 Westchester Ave., Bronx
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O.:

This section MUST be completed with Bottle Quantities.

Cooler: Yes No
Coilant: IPK ICE

Temp: C Pg of

Contact Options:

Fax:
Phone: 631-504-6000
Email:

Sampler's Signature: Sean Igo Date: 6/7/18

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

Table with columns for PHOENIX USE ONLY, Customer Sample Identification, Date Sampled, Time Sampled, Analysis Request, and various sample types like Bacteria, PL, GL, etc.

Relinquished by: [Signature] Date: 6-8-18
Accepted by: [Signature] Date: 6-8-18

Turnaround: 1 Day, 2 Days, 3 Days, 5 Days, 10 Days, Other

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

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

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

Comments, Special Requirements or Regulations:

State where samples were collected:



Thursday, September 13, 2018

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

Project ID: 1120 WESTCHESTER AVE, BRONX NY
Sample ID#s: CB28297 - CB28298

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

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

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

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

Sincerely yours,

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

Phyllis Shiller

Laboratory Director

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

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



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



SDG Comments

September 13, 2018

SDG I.D.: GCB28297

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

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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

Analysis Report
 September 13, 2018

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

Sample Information

Matrix: TEDLAR BAG
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

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

Date

09/11/18
 09/11/18

Time

10:25
 13:45

Laboratory Data

SDG ID: GCB28297
 Phoenix ID: CB28297

Project ID: 1120 WESTCHESTER AVE, BRONX NY
 Client ID: PRE-CARBON

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
<u>Volatiles (TO15)</u>										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	09/11/18	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	09/11/18	KCA	1	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	09/11/18	KCA	1	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	09/11/18	KCA	1	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	09/11/18	KCA	1	1
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	09/11/18	KCA	1	1
1,2,4-Trimethylbenzene	0.443	0.204	0.204	2.18	1.00	1.00	09/11/18	KCA	1	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	09/11/18	KCA	1	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	09/11/18	KCA	1	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	09/11/18	KCA	1	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	09/11/18	KCA	1	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/11/18	KCA	1	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	09/11/18	KCA	1	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	09/11/18	KCA	1	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	09/11/18	KCA	1	1
4-Ethyltoluene	0.306	0.204	0.204	1.50	1.00	1.00	09/11/18	KCA	1	1
4-Isopropyltoluene	0.262	0.182	0.182	1.44	1.00	1.00	09/11/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	09/11/18	KCA	1	1
Acetone	53.6	2.11	2.11	127	5.01	5.01	09/12/18	KCA	5	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	09/11/18	KCA	1	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	09/11/18	KCA	1	1
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	09/11/18	KCA	1	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	09/11/18	KCA	1	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	09/11/18	KCA	1	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	09/11/18	KCA	1	1
Carbon Tetrachloride	0.084	0.040	0.040	0.53	0.25	0.25	09/11/18	KCA	1	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	09/11/18	KCA	1	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	09/11/18	KCA	1	1
Chloroform	0.363	0.205	0.205	1.77	1.00	1.00	09/11/18	KCA	1	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	09/11/18	KCA	1	1
Cis-1,2-Dichloroethene	2.66	0.252	0.252	10.5	1.00	1.00	09/11/18	KCA	1	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	09/11/18	KCA	1	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	09/11/18	KCA	1	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	09/11/18	KCA	1	1
Dichlorodifluoromethane	ND	0.202	0.202	ND	1.00	1.00	09/11/18	KCA	1	1
Ethanol	250	E 2.66	2.66	471	5.01	5.01	09/12/18	KCA	5	1
Ethyl acetate	0.844	0.278	0.278	3.04	1.00	1.00	09/11/18	KCA	1	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	09/11/18	KCA	1	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	09/11/18	KCA	1	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	09/11/18	KCA	1	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	09/11/18	KCA	1	1
Isopropylalcohol	83.7	2.04	2.04	206	5.01	5.01	09/12/18	KCA	5	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/11/18	KCA	1	1
m,p-Xylene	0.501	0.230	0.230	2.17	1.00	1.00	09/11/18	KCA	1	1
Methyl Ethyl Ketone	1.07	0.339	0.339	3.15	1.00	1.00	09/11/18	KCA	1	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	09/11/18	KCA	1	1
Methylene Chloride	ND	0.288	0.288	ND	1.00	1.00	09/11/18	KCA	1	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	09/11/18	KCA	1	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	09/11/18	KCA	1	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	09/11/18	KCA	1	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	09/11/18	KCA	1	1
Tetrachloroethene	117	0.184	0.184	793	1.25	1.25	09/12/18	KCA	5	1
Tetrahydrofuran	1.70	0.339	0.339	5.01	1.00	1.00	09/11/18	KCA	1	1
Toluene	0.842	0.266	0.266	3.17	1.00	1.00	09/11/18	KCA	1	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	09/11/18	KCA	1	1
Trichloroethene	0.773	0.047	0.047	4.15	0.25	0.25	09/11/18	KCA	1	1
Trichlorofluoromethane	0.199	0.178	0.178	1.12	1.00	1.00	09/11/18	KCA	1	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	09/11/18	KCA	1	1
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	09/11/18	KCA	1	1
<u>QA/QC Surrogates</u>										
% Bromofluorobenzene	101	%	%	101	%	%	09/11/18	KCA	1	

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

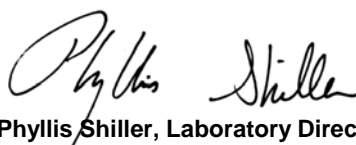
Comments:

This sample was collected using a Tedlar airbag, possible low bias.

1 = not certified by NY NELAC. NY NELAC does not offer certification for samples received in Tedlar bags for EPA TO-15
The specified sampling device for EPA TO15 is a summa canister.

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

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Phyllis Shiller, Laboratory Director

September 13, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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

Analysis Report
 September 13, 2018

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

Sample Information

Matrix: TEDLAR BAG
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

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

Date

09/11/18
 09/11/18

Time

10:28
 13:45

Laboratory Data

SDG ID: GCB28297
 Phoenix ID: CB28298

Project ID: 1120 WESTCHESTER AVE, BRONX NY
 Client ID: POST-CARBON

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
<u>Volatiles (TO15)</u>										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	09/11/18	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	09/11/18	KCA	1	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	09/11/18	KCA	1	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	09/11/18	KCA	1	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	09/11/18	KCA	1	1
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	09/11/18	KCA	1	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/11/18	KCA	1	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	09/11/18	KCA	1	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	09/11/18	KCA	1	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	09/11/18	KCA	1	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	09/11/18	KCA	1	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/11/18	KCA	1	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	09/11/18	KCA	1	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	09/11/18	KCA	1	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	09/11/18	KCA	1	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	09/11/18	KCA	1	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	09/11/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	09/11/18	KCA	1	1
Acetone	4.16	S 0.421	0.421	9.9	1.00	1.00	09/11/18	KCA	1	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	09/11/18	KCA	1	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	09/11/18	KCA	1	1
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	09/11/18	KCA	1	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	09/11/18	KCA	1	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	09/11/18	KCA	1	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	09/11/18	KCA	1	1
Carbon Tetrachloride	ND	0.040	0.040	ND	0.25	0.25	09/11/18	KCA	1	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	09/11/18	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	09/11/18	KCA	1
Chloroform	0.370	0.205	0.205	1.81	1.00	1.00	09/11/18	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	09/11/18	KCA	1
Cis-1,2-Dichloroethene	3.77	0.252	0.252	14.9	1.00	1.00	09/11/18	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	09/11/18	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	09/11/18	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	09/11/18	KCA	1
Dichlorodifluoromethane	ND	0.202	0.202	ND	1.00	1.00	09/11/18	KCA	1
Ethanol	328	E 0.531	0.531	618	1.00	1.00	09/11/18	KCA	1
Ethyl acetate	0.337	0.278	0.278	1.21	1.00	1.00	09/11/18	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	09/11/18	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	09/11/18	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	09/11/18	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	09/11/18	KCA	1
Isopropylalcohol	13.6	0.407	0.407	33.4	1.00	1.00	09/11/18	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/11/18	KCA	1
m,p-Xylene	ND	0.230	0.230	ND	1.00	1.00	09/11/18	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	09/11/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	09/11/18	KCA	1
Methylene Chloride	0.425	S 0.288	0.288	1.48	1.00	1.00	09/11/18	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	09/11/18	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	09/11/18	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	09/11/18	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	09/11/18	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	09/11/18	KCA	1
Tetrahydrofuran	3.22	0.339	0.339	9.49	1.00	1.00	09/11/18	KCA	1
Toluene	0.475	0.266	0.266	1.79	1.00	1.00	09/11/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	09/11/18	KCA	1
Trichloroethene	ND	0.047	0.047	ND	0.25	0.25	09/11/18	KCA	1
Trichlorofluoromethane	0.432	0.178	0.178	2.43	1.00	1.00	09/11/18	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	09/11/18	KCA	1
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	09/11/18	KCA	1
<u>QA/QC Surrogates</u>									
% Bromofluorobenzene	98	%	%	98	%	%	09/11/18	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

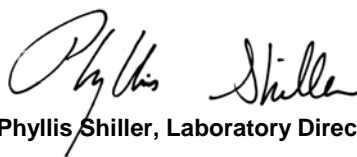
This sample was collected using a Tedlar airbag, possible low bias.

1 = not certified by NY NELAC. NY NELAC does not offer certification for samples received in Tedlar bags for EPA TO-15
The specified sampling device for EPA TO15 is a summa canister.

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

September 13, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Thursday, September 13, 2018

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCB28297 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

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



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



NY Temperature Narration

September 13, 2018

SDG I.D.: GCB28297

Temperature narration is not applicable for Air matrices.



Thursday, January 03, 2019

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

Project ID: 1120 WESTCHESTER AVE, BRONX NY
Sample ID#s: CC20434 - CC20435

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

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

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

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

Sincerely yours,

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

Phyllis Shiller
Laboratory Director

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

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



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



SDG Comments

January 03, 2019

SDG I.D.: GCC20434

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

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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

Analysis Report

January 03, 2019

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

Sample Information

Matrix: TEDLAR BAG
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

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

Date

12/26/18
 12/27/18

Time

13:49
 14:16

Laboratory Data

SDG ID: GCC20434
 Phoenix ID: CC20434

Project ID: 1120 WESTCHESTER AVE, BRONX NY
 Client ID: PRE-CARBON

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
<u>Volatiles (TO15)</u>										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	12/28/18	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	12/28/18	KCA	1	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	12/28/18	KCA	1	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	12/28/18	KCA	1	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	12/28/18	KCA	1	1
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	12/28/18	KCA	1	1
1,2,4-Trimethylbenzene	1.79	0.204	0.204	8.79	1.00	1.00	12/28/18	KCA	1	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	12/28/18	KCA	1	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	12/28/18	KCA	1	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	12/28/18	KCA	1	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	12/28/18	KCA	1	1
1,3,5-Trimethylbenzene	0.615	0.204	0.204	3.02	1.00	1.00	12/28/18	KCA	1	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	12/28/18	KCA	1	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	12/28/18	KCA	1	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	12/28/18	KCA	1	1
4-Ethyltoluene	1.63	0.204	0.204	8.01	1.00	1.00	12/28/18	KCA	1	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	12/28/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	12/28/18	KCA	1	1
Acetone	103	4.21	4.21	245	10.0	10.0	12/28/18	KCA	10	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	12/28/18	KCA	1	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	12/28/18	KCA	1	1
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	12/28/18	KCA	1	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	12/28/18	KCA	1	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	12/28/18	KCA	1	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	12/28/18	KCA	1	1
Carbon Tetrachloride	0.072	0.040	0.040	0.45	0.25	0.25	12/28/18	KCA	1	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	12/28/18	KCA	1	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	12/28/18	KCA	1	1
Chloroform	0.334	0.205	0.205	1.63	1.00	1.00	12/28/18	KCA	1	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	12/28/18	KCA	1	1
Cis-1,2-Dichloroethene	1.18	0.252	0.252	4.68	1.00	1.00	12/28/18	KCA	1	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	12/28/18	KCA	1	1
Cyclohexane	2.09	0.291	0.291	7.19	1.00	1.00	12/28/18	KCA	1	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	12/28/18	KCA	1	1
Dichlorodifluoromethane	0.449	0.202	0.202	2.22	1.00	1.00	12/28/18	KCA	1	1
Ethanol	66.6	5.31	5.31	125	10.0	10.0	12/28/18	KCA	10	1
Ethyl acetate	2.11	0.278	0.278	7.60	1.00	1.00	12/28/18	KCA	1	1
Ethylbenzene	0.561	0.230	0.230	2.43	1.00	1.00	12/28/18	KCA	1	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	12/28/18	KCA	1	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	12/28/18	KCA	1	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	12/28/18	KCA	1	1
Isopropylalcohol	16.4	0.407	0.407	40.3	1.00	1.00	12/28/18	KCA	1	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	12/28/18	KCA	1	1
m,p-Xylene	2.01	0.230	0.230	8.72	1.00	1.00	12/28/18	KCA	1	1
Methyl Ethyl Ketone	4.09	0.339	0.339	12.1	1.00	1.00	12/28/18	KCA	1	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	12/28/18	KCA	1	1
Methylene Chloride	0.619	S 0.288	0.288	2.15	1.00	1.00	12/28/18	KCA	1	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	12/28/18	KCA	1	1
o-Xylene	0.760	0.230	0.230	3.30	1.00	1.00	12/28/18	KCA	1	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	12/28/18	KCA	1	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	12/28/18	KCA	1	1
Tetrachloroethene	57.5	0.369	0.369	390	2.50	2.50	12/28/18	KCA	10	1
Tetrahydrofuran	0.469	0.339	0.339	1.38	1.00	1.00	12/28/18	KCA	1	1
Toluene	2.70	0.266	0.266	10.2	1.00	1.00	12/28/18	KCA	1	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	12/28/18	KCA	1	1
Trichloroethene	0.288	0.047	0.047	1.55	0.25	0.25	12/28/18	KCA	1	1
Trichlorofluoromethane	0.244	0.178	0.178	1.37	1.00	1.00	12/28/18	KCA	1	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	12/28/18	KCA	1	1
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	12/28/18	KCA	1	1
<u>QA/QC Surrogates/Internals</u>										
% Bromofluorobenzene	106	%	%	106	%	%	12/28/18	KCA	1	

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

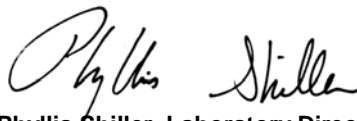
This sample was collected using a Tedlar airbag, possible low bias.

1 = not certified by NY NELAC. NY NELAC does not offer certification for samples received in Tedlar bags for EPA TO-15
The specified sampling device for EPA TO15 is a summa canister.

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

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

January 03, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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

Analysis Report
 January 03, 2019

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

Sample Information

Matrix: TEDLAR BAG
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

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

Date

12/26/18
 12/27/18

Time

13:52
 14:16

Laboratory Data

SDG ID: GCC20434
 Phoenix ID: CC20435

Project ID: 1120 WESTCHESTER AVE, BRONX NY
 Client ID: POST-CARBON

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	12/28/18	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	12/28/18	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	12/28/18	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	12/28/18	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	12/28/18	KCA	1
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	12/28/18	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	12/28/18	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	12/28/18	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	12/28/18	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	12/28/18	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	12/28/18	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	12/28/18	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	12/28/18	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	12/28/18	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	12/28/18	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	12/28/18	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	12/28/18	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	12/28/18	KCA	1
Acetone	5.34	0.421	0.421	12.7	1.00	1.00	12/28/18	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	12/28/18	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	12/28/18	KCA	1
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	12/28/18	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	12/28/18	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	12/28/18	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	12/28/18	KCA	1
Carbon Tetrachloride	ND	0.040	0.040	ND	0.25	0.25	12/28/18	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	12/28/18	KCA	1	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	12/28/18	KCA	1	1
Chloroform	0.378	0.205	0.205	1.84	1.00	1.00	12/28/18	KCA	1	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	12/28/18	KCA	1	1
Cis-1,2-Dichloroethene	1.76	0.252	0.252	6.97	1.00	1.00	12/28/18	KCA	1	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	12/28/18	KCA	1	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	12/28/18	KCA	1	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	12/28/18	KCA	1	1
Dichlorodifluoromethane	0.400	0.202	0.202	1.98	1.00	1.00	12/28/18	KCA	1	1
Ethanol	42.0	E 0.531	0.531	79.1	1.00	1.00	12/28/18	KCA	1	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	12/28/18	KCA	1	1
Ethylbenzene	0.299	0.230	0.230	1.30	1.00	1.00	12/28/18	KCA	1	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	12/28/18	KCA	1	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	12/28/18	KCA	1	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	12/28/18	KCA	1	1
Isopropylalcohol	84.1	E 0.407	0.407	207	1.00	1.00	12/28/18	KCA	1	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	12/28/18	KCA	1	1
m,p-Xylene	0.751	0.230	0.230	3.26	1.00	1.00	12/28/18	KCA	1	1
Methyl Ethyl Ketone	0.370	0.339	0.339	1.09	1.00	1.00	12/28/18	KCA	1	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	12/28/18	KCA	1	1
Methylene Chloride	0.542	S 0.288	0.288	1.88	1.00	1.00	12/28/18	KCA	1	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	12/28/18	KCA	1	1
o-Xylene	0.237	0.230	0.230	1.03	1.00	1.00	12/28/18	KCA	1	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	12/28/18	KCA	1	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	12/28/18	KCA	1	1
Tetrachloroethene	0.051	0.037	0.037	0.35	0.25	0.25	12/28/18	KCA	1	1
Tetrahydrofuran	4.15	0.339	0.339	12.2	1.00	1.00	12/28/18	KCA	1	1
Toluene	1.11	0.266	0.266	4.18	1.00	1.00	12/28/18	KCA	1	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	12/28/18	KCA	1	1
Trichloroethene	ND	0.047	0.047	ND	0.25	0.25	12/28/18	KCA	1	1
Trichlorofluoromethane	ND	0.178	0.178	ND	1.00	1.00	12/28/18	KCA	1	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	12/28/18	KCA	1	1
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	12/28/18	KCA	1	1
<u>QA/QC Surrogates/Internals</u>										
% Bromofluorobenzene	98	%	%	98	%	%	12/28/18	KCA	1	

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

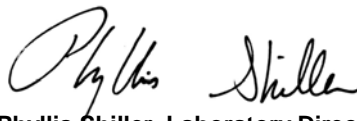
This sample was collected using a Tedlar airbag, possible low bias.

1 = not certified by NY NELAC. NY NELAC does not offer certification for samples received in Tedlar bags for EPA TO-15
The specified sampling device for EPA TO15 is a summa canister.

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

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services.
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Phyllis Shiller, Laboratory Director

January 03, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Thursday, January 03, 2019

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCC20434 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

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



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



NY Temperature Narration

January 03, 2019

SDG I.D.: GCC20434

Temperature narration is not applicable for Air matrices.



Thursday, March 28, 2019

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

Project ID: 1120 WESTCHESTER AVE, BRONX NY
SDG ID: GCC74037
Sample ID#s: CC74037 - CC74038

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

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

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

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

Sincerely yours,

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

Phyllis Shiller

Laboratory Director

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

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



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



SDG Comments

March 28, 2019

SDG I.D.: GCC74037

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

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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



Sample Id Cross Reference

March 28, 2019

SDG I.D.: GCC74037

Project ID: 1120 WESTCHESTER AVE, BRONX NY

Client Id	Lab Id	Matrix
PRE-CARBON	CC74037	TEDLAR BAG
POST-CARBON	CC74038	TEDLAR BAG



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



Analysis Report

March 28, 2019

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

Sample Information

Matrix: TEDLAR BAG
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

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

Date

03/22/19
 03/25/19

Time

15:15
 13:36

Laboratory Data

SDG ID: GCC74037
 Phoenix ID: CC74037

Project ID: 1120 WESTCHESTER AVE, BRONX NY
 Client ID: PRE-CARBON

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/27/19	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/27/19	KCA	1	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/27/19	KCA	1	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/27/19	KCA	1	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/27/19	KCA	1	1
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/27/19	KCA	1	1
1,2,4-Trimethylbenzene	0.469	0.204	0.204	2.30	1.00	1.00	03/27/19	KCA	1	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	03/27/19	KCA	1	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/27/19	KCA	1	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	03/27/19	KCA	1	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	03/27/19	KCA	1	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/27/19	KCA	1	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	03/27/19	KCA	1	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	03/27/19	KCA	1	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	03/27/19	KCA	1	1
4-Ethyltoluene	0.345	0.204	0.204	1.69	1.00	1.00	03/27/19	KCA	1	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	03/27/19	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	03/27/19	KCA	1	1
Acetone	75.2	2.11	2.11	179	5.01	5.01	03/26/19	KCA	5	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	03/27/19	KCA	1	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	03/27/19	KCA	1	1
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	03/27/19	KCA	1	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	03/27/19	KCA	1	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	03/27/19	KCA	1	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	03/27/19	KCA	1	1
Carbon Tetrachloride	0.066	0.040	0.040	0.41	0.25	0.25	03/27/19	KCA	1	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	03/27/19	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	03/27/19	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	03/27/19	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	03/27/19	KCA	1
Cis-1,2-Dichloroethene	0.765	0.252	0.252	3.03	1.00	1.00	03/27/19	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/27/19	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	03/27/19	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	03/27/19	KCA	1
Dichlorodifluoromethane	0.406	0.202	0.202	2.01	1.00	1.00	03/27/19	KCA	1
Ethanol	322	E 2.66	2.66	606	5.01	5.01	03/26/19	KCA	5
Ethyl acetate	0.593	0.278	0.278	2.14	1.00	1.00	03/27/19	KCA	1
Ethylbenzene	0.545	0.230	0.230	2.37	1.00	1.00	03/27/19	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	03/27/19	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	03/27/19	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	03/27/19	KCA	1
Isopropylalcohol	28.0	0.407	0.407	68.8	1.00	1.00	03/27/19	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/27/19	KCA	1
m,p-Xylene	1.44	0.230	0.230	6.25	1.00	1.00	03/27/19	KCA	1
Methyl Ethyl Ketone	1.55	0.339	0.339	4.57	1.00	1.00	03/27/19	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	03/27/19	KCA	1
Methylene Chloride	1.84	0.288	0.288	6.39	1.00	1.00	03/27/19	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/27/19	KCA	1
o-Xylene	0.469	0.230	0.230	2.04	1.00	1.00	03/27/19	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	03/27/19	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/27/19	KCA	1
Tetrachloroethene	58.0	0.184	0.184	393	1.25	1.25	03/26/19	KCA	5
Tetrahydrofuran	0.559	0.339	0.339	1.65	1.00	1.00	03/27/19	KCA	1
Toluene	1.75	0.266	0.266	6.59	1.00	1.00	03/27/19	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/27/19	KCA	1
Trichloroethene	0.251	0.047	0.047	1.35	0.25	0.25	03/27/19	KCA	1
Trichlorofluoromethane	ND	0.178	0.178	ND	1.00	1.00	03/27/19	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	03/27/19	KCA	1
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	03/27/19	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	113	%	%	113	%	%	03/27/19	KCA	1
% IS-1,4-Difluorobenzene	110	%	%	110	%	%	03/27/19	KCA	1
% IS-Bromochloromethane	100	%	%	100	%	%	03/27/19	KCA	1
% IS-Chlorobenzene-d5	99	%	%	99	%	%	03/27/19	KCA	1
% Bromofluorobenzene (5x)	102	%	%	102	%	%	03/26/19	KCA	5
% IS-1,4-Difluorobenzene (5x)	94	%	%	94	%	%	03/26/19	KCA	5
% IS-Bromochloromethane (5x)	98	%	%	98	%	%	03/26/19	KCA	5
% IS-Chlorobenzene-d5 (5x)	90	%	%	90	%	%	03/26/19	KCA	5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

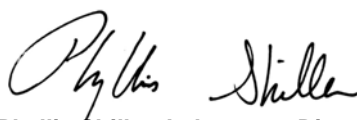
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

This sample was collected using a Tedlar airbag, possible low bias.

1 = not certified by NY NELAC. NY NELAC does not offer certification for samples received in Tedlar bags for EPA TO-15
The specified sampling device for EPA TO15 is a summa canister.

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



Phyllis Shiller, Laboratory Director

March 28, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

March 28, 2019

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

Sample Information

Matrix: TEDLAR BAG
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

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

Date

03/22/19
 03/25/19

Time

15:17
 13:36

Laboratory Data

SDG ID: GCC74037
 Phoenix ID: CC74038

Project ID: 1120 WESTCHESTER AVE, BRONX NY
 Client ID: POST-CARBON

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/27/19	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/27/19	KCA	1	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/27/19	KCA	1	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/27/19	KCA	1	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/27/19	KCA	1	1
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/27/19	KCA	1	1
1,2,4-Trimethylbenzene	0.274	0.204	0.204	1.35	1.00	1.00	03/27/19	KCA	1	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	03/27/19	KCA	1	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/27/19	KCA	1	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	03/27/19	KCA	1	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	03/27/19	KCA	1	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/27/19	KCA	1	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	03/27/19	KCA	1	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	03/27/19	KCA	1	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	03/27/19	KCA	1	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	03/27/19	KCA	1	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	03/27/19	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	03/27/19	KCA	1	1
Acetone	ND	0.421	0.421	ND	1.00	1.00	03/27/19	KCA	1	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	03/27/19	KCA	1	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	03/27/19	KCA	1	1
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	03/27/19	KCA	1	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	03/27/19	KCA	1	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	03/27/19	KCA	1	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	03/27/19	KCA	1	1
Carbon Tetrachloride	ND	0.040	0.040	ND	0.25	0.25	03/27/19	KCA	1	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	03/27/19	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	03/27/19	KCA	1
Chloroform	0.240	0.205	0.205	1.17	1.00	1.00	03/27/19	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	03/27/19	KCA	1
Cis-1,2-Dichloroethene	0.978	0.252	0.252	3.88	1.00	1.00	03/27/19	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/27/19	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	03/27/19	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	03/27/19	KCA	1
Dichlorodifluoromethane	0.451	0.202	0.202	2.23	1.00	1.00	03/27/19	KCA	1
Ethanol	136	E 0.531	0.531	256	1.00	1.00	03/27/19	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	03/27/19	KCA	1
Ethylbenzene	0.396	0.230	0.230	1.72	1.00	1.00	03/27/19	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	03/27/19	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	03/27/19	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	03/27/19	KCA	1
Isopropylalcohol	63.7	E 0.407	0.407	156	1.00	1.00	03/27/19	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/27/19	KCA	1
m,p-Xylene	0.896	0.230	0.230	3.89	1.00	1.00	03/27/19	KCA	1
Methyl Ethyl Ketone	0.925	0.339	0.339	2.73	1.00	1.00	03/27/19	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	03/27/19	KCA	1
Methylene Chloride	0.686	0.288	0.288	2.38	1.00	1.00	03/27/19	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/27/19	KCA	1
o-Xylene	0.285	0.230	0.230	1.24	1.00	1.00	03/27/19	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	03/27/19	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/27/19	KCA	1
Tetrachloroethene	0.089	0.037	0.037	0.60	0.25	0.25	03/27/19	KCA	1
Tetrahydrofuran	3.80	0.339	0.339	11.2	1.00	1.00	03/27/19	KCA	1
Toluene	1.37	0.266	0.266	5.16	1.00	1.00	03/27/19	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/27/19	KCA	1
Trichloroethene	ND	0.047	0.047	ND	0.25	0.25	03/27/19	KCA	1
Trichlorofluoromethane	ND	0.178	0.178	ND	1.00	1.00	03/27/19	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	03/27/19	KCA	1
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	03/27/19	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	99	%	%	99	%	%	03/27/19	KCA	1
% IS-1,4-Difluorobenzene	115	%	%	115	%	%	03/27/19	KCA	1
% IS-Bromochloromethane	106	%	%	106	%	%	03/27/19	KCA	1
% IS-Chlorobenzene-d5	119	%	%	119	%	%	03/27/19	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

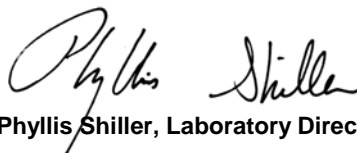
Comments:

This sample was collected using a Tedlar airbag, possible low bias.

1 = not certified by NY NELAC. NY NELAC does not offer certification for samples received in Tedlar bags for EPA TO-15
The specified sampling device for EPA TO15 is a summa canister.

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

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



Phyllis Shiller, Laboratory Director

March 28, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Thursday, March 28, 2019

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCC74037 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

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



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



NY Temperature Narration

March 28, 2019

SDG I.D.: GCC74037

Temperature narration is not applicable for Air matrices.

APPENDIX H
Data Usability Reports

DATA USABILITY SUMMARY REPORT (DUSR)
VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Project Name: 1118 Westchester Ave
Location: Bronx, New York
Project Number: 3020-036
SDG #: GCA12804
Client: Environmental Business Consultants
Date: 06/04/2018
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for four (4) air samples analyzed for Volatiles by TO-15 in accordance to NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 04/02/2018. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 04/03/2018 for analysis.
3. The USEPA Region-II SOP # HW-31, Revision 6, June 2014, Validating Air Samples Volatile Organic Analysis of Ambient Air in Canister by Method TO-15 was used in evaluating the Volatiles data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
IA CELLAR	CA12804	04/02/18	VOA	Air	
SS1	CA12805	04/02/18	VOA	Air	
IA FIRST FLOOR	CA12806	04/02/18	VOA	Air	
IA SECOND FLOOR	CA12807	04/02/18	VOA	Air	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All air samples were analyzed within the method holding time for summa canisters (30 days). No qualifications were required.

GC/MS Tuning:

1. All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration (IC):

1. Initial calibration (IC) curve analyzed on 04/02/2018 (Chem24) exhibited acceptable %RSDs ($\leq 30.0\%$) for all compounds and average RRF values (≥ 0.050) for all compounds with the exception of some compounds listed in section 15.5, Page 13 in SOP # HW-31, were ≥ 0.01 . No qualifications were required.

Continuing Calibration Verification (CCV):

1. CCV analyzed on 04/04/2018 @ 14:41 (CHEM24) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds. No qualifications were required.
2. CCV analyzed on 04/04/2018 @ 15:14 (CHEM24) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds with the following exception(s):

Compound	%D
Isopropylbenzene	-48.9

Client Sample ID	Laboratory Sample ID	Compound	Action
IA CELLAR	CA12804	Isopropylbenzene	UJ
SS1	CA12805	Isopropylbenzene	UJ
IA FIRST FLOOR	CA12806	Isopropylbenzene	UJ
IA SECOND FLOOR	CA12807	Isopropylbenzene	UJ

3. CCV analyzed on 04/05/2018 @ 14:43 (CHEM24) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds. Note: This CCV was outside the 24hr window. No qualifications were required.
4. CCV analyzed on 04/05/2018 @ 15:186 (CHEM24) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds. Note: This CCV was outside the 24hr window. No qualifications were required.

Surrogates:

1. 4-Bromofluorobenzene (BFB) surrogate spike recovered within the laboratory control limits. No qualifications were required.

Internal Standard (IS) Area Performance:

1. All samples exhibited acceptable area count for all three internal standards within the QC limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB), Equipment Blank (EB) and Canister Certification:

1. Method Blank (BLANK CA12807) analyzed on 04/04/18 was free of contamination. No qualifications were required.
2. Canister Certification Check:

Laboratory Sample ID	Date Analyzed	Compound	Result (ppbv)	Certification Contamination Level (5x)* (ppbv)	Sample Affected	Canister ID #	Action
BLK 1127	03/09/18		ND		IA CELLAR SS1 IA FIRST FLOOR IA SECOND FLOOR	11287 13633 19854 23326	None

*= If sample concentration less than the certification contamination level (CCL), then sample result qualified as non-detect (U). If sample concentration greater than the certification contamination level (CCL) or sample result was not detected, no qualifications/action required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample (LCS CA12807) was analyzed on 04/04/2018. All %RECs were within the laboratory control limits. No qualifications are required.

Compound	%R	Sample Affected	Action
Isopropylbenzene	173	IA CELLAR SS1 IA FIRST FLOOR IA SECOND FLOOR	None

A= Acceptable

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Target Compound Identification:

1. All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).
2. Sample compound spectra were compared against the laboratory standard spectra.
3. No QC deviations were observed.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range with the exception of Ethanol in Samples IA CELLAR (CA12804), IA FIRST FLOOR (CA12806), IA SECOND FLOOR (CA12807) and isopropylalcohol in sample IA FIRST FLOOR

(CA12806). Result for ethanol in sample IA CELLAR, IA FIRST FLOOR, IA SECOND FLOOR and isopropylalcohol in sample IA FIRST FLOOR were qualified as estimated (J).

2. Manual Calculation:

$$\text{Concentration } (\mu\text{g}/\text{m}^3) = \frac{\text{Result (ppbv)} \times \text{Molecular weight} \times \text{DF}}{24.46}$$

IA CELLAR (CA12804)

Toluene

Result (ppbv) = 0.567

Molecular Weight @ 25°C=92.14

DF = 1

$$\text{Concentration } (\mu\text{g}/\text{m}^3) = \frac{0.567 \times 92.14 \times 1}{24.46} = 2.14\mu\text{g}/\text{m}^3$$

Compound	Laboratory ($\mu\text{g}/\text{m}^3$)	Validation ($\mu\text{g}/\text{m}^3$)	%D
Toluene	2.14	2.14	0.0

Comments:

1. Volatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GCA12804.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GCA12804.



1118 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12804

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Ethylbenzene		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Styrene		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Benzyl chloride		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	n-Butylbenzene		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	1,3-Butadiene		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Acrylonitrile		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	1,3,5-Trimethylbenzene		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Toluene	2.14	ug/m3		1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Chlorobenzene		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Tetrahydrofuran		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Hexane		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Cyclohexane		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Propylene		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	1,2,4-Trichlorobenzene		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	1,4-Dioxane		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Dibromochloromethane		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Tetrachloroethene	1.69	ug/m3		0.25	0.25
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Ethyl acetate		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Heptane		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	m,p-Xylene	1.74	ug/m3		1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	1,3-Dichlorobenzene		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Carbon Tetrachloride	0.42	ug/m3		0.20	0.20
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	4-Ethyltoluene		ug/m3	U	1.00	1.00



1118 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12804

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Ethanol	200	ug/m3	J	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Isopropylalcohol	95.8	ug/m3		1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Acetone	26.4	ug/m3		1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Chloroform	1.75	ug/m3		1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Benzene	1.01	ug/m3		1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Bromomethane		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Chloromethane	1.12	ug/m3		1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Chloroethane		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Vinyl Chloride		ug/m3	U	0.20	0.20
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Methylene Chloride		ug/m3	U	3.00	3.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Carbon Disulfide		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Bromoform		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Bromodichloromethane		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Trichlorofluoromethane	1.04	ug/m3		1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Dichlorodifluoromethane	2.05	ug/m3		1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Methyl Ethyl Ketone	2.02	ug/m3		1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Trichloroethene	0.46	ug/m3		0.20	0.20
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	o-Xylene		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	1,2,4-Trimethylbenzene	1.23	ug/m3		1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	Isopropylbenzene		ug/m3	UJ	1.00	1.00
IA CELLAR_20180402	CA12804	TO15	4/2/2018	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Ethylbenzene	1.51	ug/m3		1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Styrene		ug/m3	U	1.00	1.00



1118 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE
AIR

SDG: GCA12804

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SS1_20180402	CA12805	TO15	4/2/2018	1	Benzyl chloride		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	n-Butylbenzene		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	1,3-Butadiene		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Acrylonitrile		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	1,3,5-Trimethylbenzene	1.51	ug/m3		1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Toluene	8.02	ug/m3		1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Chlorobenzene		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Hexane		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Cyclohexane		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Propylene		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	1,2,4-Trichlorobenzene		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	1,4-Dioxane		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Dibromochloromethane		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Tetrachloroethene	33.0	ug/m3		0.25	0.25
SS1_20180402	CA12805	TO15	4/2/2018	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Ethyl acetate	9.18	ug/m3		1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Heptane	2.49	ug/m3		1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Cis-1,2-Dichloroethene	9.8	ug/m3		0.20	0.20
SS1_20180402	CA12805	TO15	4/2/2018	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	m,p-Xylene	4.95	ug/m3		1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	1,3-Dichlorobenzene		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Carbon Tetrachloride	0.45	ug/m3		0.20	0.20
SS1_20180402	CA12805	TO15	4/2/2018	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	4-Ethyltoluene	3.15	ug/m3		1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Chloroform	1.47	ug/m3		1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Benzene		ug/m3	U	1.00	1.00



1118 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12804

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SS1_20180402	CA12805	TO15	4/2/2018	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Bromomethane		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Chloromethane		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Chloroethane		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Vinyl Chloride		ug/m3	U	0.20	0.20
SS1_20180402	CA12805	TO15	4/2/2018	1	Methylene Chloride		ug/m3	U	3.00	3.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Carbon Disulfide		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Bromoform		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Bromodichloromethane		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
SS1_20180402	CA12805	TO15	4/2/2018	1	Trichlorofluoromethane	1.30	ug/m3		1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Dichlorodifluoromethane	2.24	ug/m3		1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Trichloroethene	1.12	ug/m3		0.20	0.20
SS1_20180402	CA12805	TO15	4/2/2018	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	o-Xylene	2.83	ug/m3		1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	1,2,4-Trimethylbenzene	4.82	ug/m3		1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	Isopropylbenzene		ug/m3	UJ	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00
SS1_20180402	CA12805	TO15	4/2/2018	5	Tetrahydrofuran	140	ug/m3		5.01	5.01
SS1_20180402	CA12805	TO15	4/2/2018	5	Ethanol	174	ug/m3		5.01	5.01
SS1_20180402	CA12805	TO15	4/2/2018	5	Isopropylalcohol	159	ug/m3		5.01	5.01
SS1_20180402	CA12805	TO15	4/2/2018	5	Acetone	306	ug/m3		5.01	5.01
SS1_20180402	CA12805	TO15	4/2/2018	5	Methyl Ethyl Ketone	160	ug/m3		5.01	5.01
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Ethylbenzene	1.54	ug/m3		1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Styrene		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Benzyl chloride		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00



1118 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12804

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	n-Butylbenzene		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	1,4-Dichlorobenzene	2.32	ug/m3		1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	1,3-Butadiene		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Acrylonitrile		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	1,3,5-Trimethylbenzene		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Toluene	4.29	ug/m3		1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Chlorobenzene		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Tetrahydrofuran		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Hexane		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Cyclohexane		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Propylene		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	1,2,4-Trichlorobenzene		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	1,4-Dioxane		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Dibromochloromethane		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Tetrachloroethene	0.47	ug/m3		0.25	0.25
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Ethyl acetate	5.01	ug/m3		1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Heptane		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	m,p-Xylene	5.16	ug/m3		1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	1,3-Dichlorobenzene		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Carbon Tetrachloride	0.43	ug/m3		0.20	0.20
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	4-Ethyltoluene		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Ethanol	2000	ug/m3	J	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Isopropylalcohol	1680	ug/m3	J	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Acetone		ug/m3	U	1.00	1.00



1118 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12804

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Chloroform		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Benzene		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Bromomethane		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Chloromethane		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Chloroethane		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Vinyl Chloride		ug/m3	U	0.20	0.20
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Methylene Chloride		ug/m3	U	3.00	3.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Carbon Disulfide		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Bromoform		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Bromodichloromethane		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Trichlorofluoromethane		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Dichlorodifluoromethane	1.71	ug/m3		1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Methyl Ethyl Ketone	1.24	ug/m3		1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Trichloroethene		ug/m3	U	0.20	0.20
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	o-Xylene	1.93	ug/m3		1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	1,2,4-Trimethylbenzene		ug/m3	U	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	Isopropylbenzene		ug/m3	UJ	1.00	1.00
IA FIRST FLOOR_20180402	CA12806	TO15	4/2/2018	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Ethylbenzene	1.08	ug/m3		1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Styrene		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Benzyl chloride		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	n-Butylbenzene		ug/m3	U	1.00	1.00



1118 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12804

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	1,3-Butadiene		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Acrylonitrile		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	1,3,5-Trimethylbenzene		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Toluene	5.65	ug/m3		1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Chlorobenzene		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Tetrahydrofuran	1.31	ug/m3		1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Hexane		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Cyclohexane		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Propylene		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	1,2,4-Trichlorobenzene		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	1,4-Dioxane		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Dibromochloromethane		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Tetrachloroethene	0.54	ug/m3		0.25	0.25
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Ethyl acetate	4.18	ug/m3		1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Heptane	1.50	ug/m3		1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	m,p-Xylene	3.28	ug/m3		1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	1,3-Dichlorobenzene		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Carbon Tetrachloride	0.47	ug/m3		0.20	0.20
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	4-Ethyltoluene		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Chloroform	7.76	ug/m3		1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Benzene	3.29	ug/m3		1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Bromomethane		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Chloromethane		ug/m3	U	1.00	1.00



1118 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE
AIR

SDG: GCA12804

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Chloroethane		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Vinyl Chloride		ug/m3	U	0.20	0.20
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Methylene Chloride		ug/m3	U	3.00	3.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Carbon Disulfide		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Bromoform		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Bromodichloromethane		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Trichlorofluoromethane		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Dichlorodifluoromethane	1.72	ug/m3		1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Methyl Ethyl Ketone	4.54	ug/m3		1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Trichloroethene		ug/m3	U	0.20	0.20
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	o-Xylene	1.10	ug/m3		1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	1,2,4-Trimethylbenzene		ug/m3	U	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	Isopropylbenzene		ug/m3	UJ	1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	1	4-Isopropyltoluene	1.46	ug/m3		1.00	1.00
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	5	Ethanol	2030	ug/m3	J	5.01	5.01
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	5	Isopropylalcohol	337	ug/m3		5.01	5.01
IA SECOND FLOOR_20180402	CA12807	TO15	4/2/2018	5	Acetone	129	ug/m3		5.01	5.01

DATA USABILITY SUMMARY REPORT (DUSR)
VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Project Name: 1120 Westchester Ave
Location: Bronx, New York
Project Number: 3020-036
SDG #: GCA12800
Client: Environmental Business Consultants
Date: 06/04/2018
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for four (4) air samples analyzed for Volatiles by TO-15 in accordance to NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 04/02/2018. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 04/03/2018 for analysis.
3. The USEPA Region-II SOP # HW-31, Revision 6, June 2014, Validating Air Samples Volatile Organic Analysis of Ambient Air in Canister by Method TO-15 was used in evaluating the Volatiles data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
1A FIRST FLOOR	CA12796	04/02/18	VOA	Air	
1A SECOND FLOOR	CA12797	04/02/18	VOA	Air	
1A CELLAR	CA12798	04/02/18	VOA	Air	
OA1	CA12799	04/02/18	VOA	Air	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All air samples were analyzed within the method holding time for summa canisters (30 days). No qualifications were required.

GC/MS Tuning:

1. All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration (IC):

1. Initial calibration (IC) curve analyzed on 04/02/2018 (Chem24) exhibited acceptable %RSDs ($\leq 30.0\%$) for all compounds and average RRF values (≥ 0.050) for all compounds with the exception of some compounds listed in section 15.5, Page 13 in SOP # HW-31, were ≥ 0.01 . No qualifications were required.

Continuing Calibration Verification (CCV):

1. CCV analyzed on 04/04/2018 @ 14:41 (CHEM24) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds. No qualifications were required.
2. CCV analyzed on 04/04/2018 @ 15:14 (CHEM24) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds with the following exception(s):

Compound	%D
Isopropylbenzene	-48.9

Client Sample ID	Laboratory Sample ID	Compound	Action
1A FIRST FLOOR	CA12796	Isopropylbenzene	UJ
1A SECOND FLOOR	CA12797	Isopropylbenzene	UJ
1A CELLAR	CA12798	Isopropylbenzene	UJ
OA1	CA12799	Isopropylbenzene	UJ

- CCV analyzed on 04/05/2018 @ 14:43 (CHEM24) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds. Note: This CCV was outside the 24hr window. No qualifications were required.
- CCV analyzed on 04/05/2018 @ 15:18 (CHEM24) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds. Note: This CCV was outside the 24hr window. No qualifications were required.

Surrogates:

- 4-Bromofluorobenzene (BFB) surrogate spike recovered within the laboratory control limits. No qualifications were required.

Internal Standard (IS) Area Performance:

- All samples exhibited acceptable area count for all three internal standards within the QC limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB), Equipment Blank (EB) and Canister Certification:

- Method Blank (BLANK CA12807) analyzed on 04/04/18 was free of contamination. No qualifications were required.
- Canister Certification Check:

Laboratory Sample ID	Date Analyzed	Compound	Result (ppbv)	Certification Contamination Level (5x)* (ppbv)	Sample Affected	Canister ID #	Action
BLK 1127	03/09/18		ND		1A CELLAR OA1 1A FIRST FLOOR 1A SECOND FLOOR	460 470 19786 12868	None

*= If sample concentration less than the certification contamination level (CCL), then sample result qualified as non-detect (U). If sample concentration greater than the certification contamination level (CCL) or sample result was not detected, no qualifications/action required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample (LCS CA12807) was analyzed on 04/04/2018. All %RECs were within the laboratory control limits. No qualifications are required.

Compound	%R	Sample Affected	Action
Isopropylbenzene	173	1A CELLAR OA1 1A FIRST FLOOR 1A SECOND FLOOR	None

A= Acceptable

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Target Compound Identification:

- All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).
- Sample compound spectra were compared against the laboratory standard spectra.
- No QC deviations were observed.

Compound Quantitation and Reported Detection Limits:

- All sample results were reported within the linear calibration range with the exception of Ethanol in Sample 1A SECOND FLOOR (CA12807). Result for ethanol in sample 1A SECOND FLOOR was qualified as estimated (J).

2. Manual Calculation:

$$\text{Concentration } (\mu\text{g}/\text{m}^3) = \frac{\text{Result (ppbv)} \times \text{Molecular weight} \times \text{DF}}{24.46}$$

1A CELLAR (CA12798)

Toluene

Result (ppbv) = 0.399

Molecular Weight @ 25°C=92.14

DF = 1

$$\text{Concentration } (\mu\text{g}/\text{m}^3) = \frac{0.399 \times 92.14 \times 1}{24.46} = 1.50\mu\text{g}/\text{m}^3$$

Compound	Laboratory ($\mu\text{g}/\text{m}^3$)	Validation ($\mu\text{g}/\text{m}^3$)	%D
Toluene	1.50	1.50	0.0

Comments:

1. Volatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG:GCA12796.
3. Summary of the qualified data is listed in the Data Summary Table for SDG:GCA12796.



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12796

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Ethylbenzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Styrene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Benzyl chloride		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	n-Butylbenzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,3-Butadiene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Acrylonitrile		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,3,5-Trimethylbenzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Toluene	1.59	ug/m3		1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Chlorobenzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Tetrahydrofuran		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Hexane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Cyclohexane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Propylene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,2,4-Trichlorobenzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,4-Dioxane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Dibromochloromethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Tetrachloroethene	0.73	ug/m3		0.25	0.25
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Ethyl acetate		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Heptane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	m,p-Xylene	1.04	ug/m3		1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,3-Dichlorobenzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Carbon Tetrachloride	0.43	ug/m3		0.20	0.20
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	4-Ethyltoluene		ug/m3	U	1.00	1.00



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12796

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Ethanol	20.0	ug/m3		1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Isopropylalcohol	3.10	ug/m3		1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Acetone	7.83	ug/m3		1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Chloroform		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Benzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Bromomethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Chloromethane	1.22	ug/m3		1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Chloroethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Vinyl Chloride		ug/m3	U	0.20	0.20
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Methylene Chloride		ug/m3	U	3.00	3.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Carbon Disulfide		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Bromoform		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Bromodichloromethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Trichlorofluoromethane	1.09	ug/m3		1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Dichlorodifluoromethane	2.07	ug/m3		1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Methyl Ethyl Ketone		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Trichloroethene		ug/m3	U	0.20	0.20
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	o-Xylene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,2,4-Trimethylbenzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Isopropylbenzene		ug/m3	UJ	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Ethylbenzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Styrene		ug/m3	U	1.00	1.00



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12796

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Benzyl chloride		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	n-Butylbenzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,3-Butadiene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Acrylonitrile		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,3,5-Trimethylbenzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Toluene	1.89	ug/m3		1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Chlorobenzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Tetrahydrofuran		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Hexane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Cyclohexane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Propylene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,2,4-Trichlorobenzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,4-Dioxane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Dibromochloromethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Tetrachloroethene	1.04	ug/m3		0.25	0.25
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Ethyl acetate	1.89	ug/m3		1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Heptane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	m,p-Xylene	1.18	ug/m3		1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,3-Dichlorobenzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Carbon Tetrachloride	0.45	ug/m3		0.20	0.20
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	4-Ethyltoluene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Ethanol	267	ug/m3	J	1.00	1.00



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BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12796

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Isopropylalcohol	67.1	ug/m3		1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Acetone	14.7	ug/m3		1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Chloroform		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Benzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Bromomethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Chloromethane	1.38	ug/m3		1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Chloroethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Vinyl Chloride		ug/m3	U	0.20	0.20
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Methylene Chloride		ug/m3	U	3.00	3.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Carbon Disulfide		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Bromoform		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Bromodichloromethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Trichlorofluoromethane	1.31	ug/m3		1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Dichlorodifluoromethane	2.28	ug/m3		1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Methyl Ethyl Ketone		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Trichloroethene		ug/m3	U	0.20	0.20
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	o-Xylene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,2,4-Trimethylbenzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Isopropylbenzene		ug/m3	UJ	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Ethylbenzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Styrene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Benzyl chloride		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00



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BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12796

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	n-Butylbenzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,3-Butadiene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Acrylonitrile		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,3,5-Trimethylbenzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Toluene	1.50	ug/m3		1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Chlorobenzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Tetrahydrofuran		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Hexane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Cyclohexane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Propylene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,2,4-Trichlorobenzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,4-Dioxane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Dibromochloromethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Tetrachloroethene	1.63	ug/m3		0.25	0.25
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Ethyl acetate		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Heptane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	m,p-Xylene	1.06	ug/m3		1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,3-Dichlorobenzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Carbon Tetrachloride	0.42	ug/m3		0.20	0.20
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	4-Ethyltoluene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Ethanol	22.0	ug/m3		1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Isopropylalcohol	3.66	ug/m3		1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Acetone	7.07	ug/m3		1.00	1.00



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12796

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Chloroform		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Benzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Bromomethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Chloromethane	1.19	ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Chloroethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Vinyl Chloride		ug/m3	U	0.20	0.20
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Methylene Chloride		ug/m3	U	3.00	3.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Carbon Disulfide		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Bromoform		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Bromodichloromethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Trichlorofluoromethane	1.10	ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Dichlorodifluoromethane	2.19	ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Methyl Ethyl Ketone		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Trichloroethene		ug/m3	U	0.20	0.20
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	o-Xylene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,2,4-Trimethylbenzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Isopropylbenzene		ug/m3	UJ	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Ethylbenzene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Styrene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Benzyl chloride		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	n-Butylbenzene		ug/m3	U	1.00	1.00



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12796

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,3-Butadiene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Acrylonitrile		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,3,5-Trimethylbenzene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Toluene	1.25	ug/m3		1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Chlorobenzene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Tetrahydrofuran		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Hexane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Cyclohexane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Propylene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,2,4-Trichlorobenzene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,4-Dioxane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Dibromochloromethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Tetrachloroethene	0.25	ug/m3		0.25	0.25
OA 1_20180402	CA12799	TO15	4/2/2018	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Ethyl acetate		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Heptane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
OA 1_20180402	CA12799	TO15	4/2/2018	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	m,p-Xylene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,3-Dichlorobenzene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Carbon Tetrachloride	0.43	ug/m3		0.20	0.20
OA 1_20180402	CA12799	TO15	4/2/2018	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	4-Ethyltoluene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Ethanol	17.5	ug/m3		1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Isopropylalcohol	3.02	ug/m3		1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Acetone	6.84	ug/m3		1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Chloroform		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Benzene		ug/m3	U	1.00	1.00



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12796

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Bromomethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Chloromethane	1.16	ug/m3		1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Chloroethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Vinyl Chloride		ug/m3	U	0.20	0.20
OA 1_20180402	CA12799	TO15	4/2/2018	1	Methylene Chloride		ug/m3	U	3.00	3.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Carbon Disulfide		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Bromoform		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Bromodichloromethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
OA 1_20180402	CA12799	TO15	4/2/2018	1	Trichlorofluoromethane	1.08	ug/m3		1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Dichlorodifluoromethane	2.07	ug/m3		1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Methyl Ethyl Ketone		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Trichloroethene	1.04	ug/m3		0.20	0.20
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	o-Xylene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,2,4-Trimethylbenzene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Isopropylbenzene		ug/m3	UJ	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00

DATA USABILITY SUMMARY REPORT (DUSR)
VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Project Name: 1120 Westchester Ave
Location: Bronx, New York
Project Number: 3020-036
SDG #: GCA12796
Client: Environmental Business Consultants
Date: 06/04/2018
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for four (4) air samples analyzed for Volatiles by TO-15 in accordance to NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 04/02/2018. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 04/03/2018 for analysis.
3. The USEPA Region-II SOP # HW-31, Revision 6, June 2014, Validating Air Samples Volatile Organic Analysis of Ambient Air in Canister by Method TO-15 was used in evaluating the Volatiles data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
1A FIRST FLOOR	CA12796	04/02/18	VOA	Air	
1A SECOND FLOOR	CA12797	04/02/18	VOA	Air	
1A CELLAR	CA12798	04/02/18	VOA	Air	
OA1	CA12799	04/02/18	VOA	Air	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All air samples were analyzed within the method holding time for summa canisters (30 days). No qualifications were required.

GC/MS Tuning:

1. All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration (IC):

1. Initial calibration (IC) curve analyzed on 04/02/2018 (Chem24) exhibited acceptable %RSDs ($\leq 30.0\%$) for all compounds and average RRF values (≥ 0.050) for all compounds with the exception of some compounds listed in section 15.5, Page 13 in SOP # HW-31, were ≥ 0.01 . No qualifications were required.

Continuing Calibration Verification (CCV):

1. CCV analyzed on 04/04/2018 @ 14:41 (CHEM24) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds. No qualifications were required.
2. CCV analyzed on 04/04/2018 @ 15:14 (CHEM24) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds with the following exception(s):

Compound	%D
Isopropylbenzene	-48.9

Client Sample ID	Laboratory Sample ID	Compound	Action
1A FIRST FLOOR	CA12796	Isopropylbenzene	UJ
1A SECOND FLOOR	CA12797	Isopropylbenzene	UJ
1A CELLAR	CA12798	Isopropylbenzene	UJ
OA1	CA12799	Isopropylbenzene	UJ

3. CCV analyzed on 04/05/2018 @ 14:43 (CHEM24) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds. Note: This CCV was outside the 24hr window. No qualifications were required.
4. CCV analyzed on 04/05/2018 @ 15:18 (CHEM24) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds. Note: This CCV was outside the 24hr window. No qualifications were required.

Surrogates:

1. 4-Bromofluorobenzene (BFB) surrogate spike recovered within the laboratory control limits. No qualifications were required.

Internal Standard (IS) Area Performance:

1. All samples exhibited acceptable area count for all three internal standards within the QC limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB), Equipment Blank (EB) and Canister Certification:

1. Method Blank (BLANK CA12807) analyzed on 04/04/18 was free of contamination. No qualifications were required.
2. Canister Certification Check:

Laboratory Sample ID	Date Analyzed	Compound	Result (ppbv)	Certification Contamination Level (5x)* (ppbv)	Sample Affected	Canister ID #	Action
BLK 1127	03/09/18		ND		1A CELLAR OA1 1A FIRST FLOOR 1A SECOND FLOOR	460 470 19786 12868	None

*= If sample concentration less than the certification contamination level (CCL), then sample result qualified as non-detect (U). If sample concentration greater than the certification contamination level (CCL) or sample result was not detected, no qualifications/action required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample (LCS CA12807) was analyzed on 04/04/2018. All %RECs were within the laboratory control limits. No qualifications are required.

Compound	%R	Sample Affected	Action
Isopropylbenzene	173	1A CELLAR OA1 1A FIRST FLOOR 1A SECOND FLOOR	None

A= Acceptable

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Target Compound Identification:

1. All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).
2. Sample compound spectra were compared against the laboratory standard spectra.
3. No QC deviations were observed.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range with the exception of Ethanol in Sample 1A SECOND FLOOR (CA12797). Result for ethanol in sample 1A SECOND FLOOR was qualified as estimated (J).

2. Manual Calculation:

$$\text{Concentration } (\mu\text{g}/\text{m}^3) = \frac{\text{Result (ppbv)} \times \text{Molecular weight} \times \text{DF}}{24.46}$$

1A CELLAR (CA12798)

Toluene

Result (ppbv) = 0.399

Molecular Weight @ 25°C=92.14

DF = 1

$$\text{Concentration } (\mu\text{g}/\text{m}^3) = \frac{0.399 \times 92.14 \times 1}{24.46} = 1.50\mu\text{g}/\text{m}^3$$

Compound	Laboratory ($\mu\text{g}/\text{m}^3$)	Validation ($\mu\text{g}/\text{m}^3$)	%D
Toluene	1.50	1.50	0.0

Comments:

1. Volatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG:GCA12796.
3. Summary of the qualified data is listed in the Data Summary Table for SDG:GCA12796.



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12796

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Ethylbenzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Styrene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Benzyl chloride		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	n-Butylbenzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,3-Butadiene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Acrylonitrile		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,3,5-Trimethylbenzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Toluene	1.59	ug/m3		1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Chlorobenzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Tetrahydrofuran		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Hexane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Cyclohexane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Propylene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,2,4-Trichlorobenzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,4-Dioxane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Dibromochloromethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Tetrachloroethene	0.73	ug/m3		0.25	0.25
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Ethyl acetate		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Heptane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	m,p-Xylene	1.04	ug/m3		1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,3-Dichlorobenzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Carbon Tetrachloride	0.43	ug/m3		0.20	0.20
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	4-Ethyltoluene		ug/m3	U	1.00	1.00



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12796

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Ethanol	20.0	ug/m3		1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Isopropylalcohol	3.10	ug/m3		1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Acetone	7.83	ug/m3		1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Chloroform		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Benzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Bromomethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Chloromethane	1.22	ug/m3		1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Chloroethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Vinyl Chloride		ug/m3	U	0.20	0.20
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Methylene Chloride		ug/m3	U	3.00	3.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Carbon Disulfide		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Bromoform		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Bromodichloromethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Trichlorofluoromethane	1.09	ug/m3		1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Dichlorodifluoromethane	2.07	ug/m3		1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Methyl Ethyl Ketone		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Trichloroethene		ug/m3	U	0.20	0.20
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	o-Xylene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	1,2,4-Trimethylbenzene		ug/m3	U	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	Isopropylbenzene		ug/m3	UJ	1.00	1.00
1A FIRST FLOOR_20180402	CA12796	TO15	4/2/2018	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Ethylbenzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Styrene		ug/m3	U	1.00	1.00



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12796

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Benzyl chloride		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	n-Butylbenzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,3-Butadiene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Acrylonitrile		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,3,5-Trimethylbenzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Toluene	1.89	ug/m3		1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Chlorobenzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Tetrahydrofuran		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Hexane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Cyclohexane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Propylene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,2,4-Trichlorobenzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,4-Dioxane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Dibromochloromethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Tetrachloroethene	1.04	ug/m3		0.25	0.25
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Ethyl acetate	1.89	ug/m3		1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Heptane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	m,p-Xylene	1.18	ug/m3		1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,3-Dichlorobenzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Carbon Tetrachloride	0.45	ug/m3		0.20	0.20
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	4-Ethyltoluene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Ethanol	267	ug/m3	J	1.00	1.00



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12796

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Isopropylalcohol	67.1	ug/m3		1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Acetone	14.7	ug/m3		1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Chloroform		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Benzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Bromomethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Chloromethane	1.38	ug/m3		1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Chloroethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Vinyl Chloride		ug/m3	U	0.20	0.20
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Methylene Chloride		ug/m3	U	3.00	3.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Carbon Disulfide		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Bromoform		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Bromodichloromethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Trichlorofluoromethane	1.31	ug/m3		1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Dichlorodifluoromethane	2.28	ug/m3		1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Methyl Ethyl Ketone		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Trichloroethene		ug/m3	U	0.20	0.20
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	o-Xylene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	1,2,4-Trimethylbenzene		ug/m3	U	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	Isopropylbenzene		ug/m3	UJ	1.00	1.00
1A SECOND FLOOR_20180402	CA12797	TO15	4/2/2018	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Ethylbenzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Styrene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Benzyl chloride		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12796

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	n-Butylbenzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,3-Butadiene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Acrylonitrile		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,3,5-Trimethylbenzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Toluene	1.50	ug/m3		1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Chlorobenzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Tetrahydrofuran		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Hexane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Cyclohexane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Propylene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,2,4-Trichlorobenzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,4-Dioxane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Dibromochloromethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Tetrachloroethene	1.63	ug/m3		0.25	0.25
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Ethyl acetate		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Heptane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	m,p-Xylene	1.06	ug/m3		1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,3-Dichlorobenzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Carbon Tetrachloride	0.42	ug/m3		0.20	0.20
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	4-Ethyltoluene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Ethanol	22.0	ug/m3		1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Isopropylalcohol	3.66	ug/m3		1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Acetone	7.07	ug/m3		1.00	1.00



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12796

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Chloroform		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Benzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Bromomethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Chloromethane	1.19	ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Chloroethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Vinyl Chloride		ug/m3	U	0.20	0.20
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Methylene Chloride		ug/m3	U	3.00	3.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Carbon Disulfide		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Bromoform		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Bromodichloromethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Trichlorofluoromethane	1.10	ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Dichlorodifluoromethane	2.19	ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Methyl Ethyl Ketone		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Trichloroethene		ug/m3	U	0.20	0.20
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	o-Xylene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	1,2,4-Trimethylbenzene		ug/m3	U	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	Isopropylbenzene		ug/m3	UJ	1.00	1.00
1A CELLAR_20180402	CA12798	TO15	4/2/2018	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Ethylbenzene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Styrene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Benzyl chloride		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	n-Butylbenzene		ug/m3	U	1.00	1.00



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12796

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,3-Butadiene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Acrylonitrile		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,3,5-Trimethylbenzene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Toluene	1.25	ug/m3		1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Chlorobenzene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Tetrahydrofuran		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Hexane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Cyclohexane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Propylene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,2,4-Trichlorobenzene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,4-Dioxane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Dibromochloromethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Tetrachloroethene	0.25	ug/m3		0.25	0.25
OA 1_20180402	CA12799	TO15	4/2/2018	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Ethyl acetate		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Heptane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
OA 1_20180402	CA12799	TO15	4/2/2018	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	m,p-Xylene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,3-Dichlorobenzene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Carbon Tetrachloride	0.43	ug/m3		0.20	0.20
OA 1_20180402	CA12799	TO15	4/2/2018	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	4-Ethyltoluene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Ethanol	17.5	ug/m3		1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Isopropylalcohol	3.02	ug/m3		1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Acetone	6.84	ug/m3		1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Chloroform		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Benzene		ug/m3	U	1.00	1.00



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA12796

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Bromomethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Chloromethane	1.16	ug/m3		1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Chloroethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Vinyl Chloride		ug/m3	U	0.20	0.20
OA 1_20180402	CA12799	TO15	4/2/2018	1	Methylene Chloride		ug/m3	U	3.00	3.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Carbon Disulfide		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Bromoform		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Bromodichloromethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
OA 1_20180402	CA12799	TO15	4/2/2018	1	Trichlorofluoromethane	1.08	ug/m3		1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Dichlorodifluoromethane	2.07	ug/m3		1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Methyl Ethyl Ketone		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Trichloroethene	1.04	ug/m3		0.20	0.20
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	o-Xylene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	1,2,4-Trimethylbenzene		ug/m3	U	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	Isopropylbenzene		ug/m3	UJ	1.00	1.00
OA 1_20180402	CA12799	TO15	4/2/2018	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00

DATA USABILITY SUMMARY REPORT (DUSR)
VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Project Name: 1120 Westchester Ave
Location: Bronx, New York
Project Number: 3020-036
SDG #: GCA02205
Client: Environmental Business Consultants
Date: 06/05/2018
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for three (3) air samples analyzed for Volatiles by TO-15 in accordance to NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 03/14/2018. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 03/14/2018 for analysis.
3. The USEPA Region-II SOP # HW-31, Revision 6, June 2014, Validating Air Samples Volatile Organic Analysis of Ambient Air in Canister by Method TO-15 was used in evaluating the Volatiles data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
PRE CARBON	CA02205	03/14/18	VOA	Air	
MID CARBON	CA02206	03/14/18	VOA	Air	
POST CARBON	CA02207	03/14/18	VOA	Air	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All air samples were analyzed within the method holding time. No qualifications were required.

GC/MS Tuning:

1. All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration (IC):

1. Initial calibration (IC) curve analyzed on 03/14/2018 (Chem20) exhibited acceptable %RSDs ($\leq 30.0\%$) for all compounds and average RRF values (≥ 0.050) for all compounds with the exception of some compounds listed in section 15.5, Page 13 in SOP # HW-31, were ≥ 0.01 with the following exception(s):

Compound	%D
Ethyl acetate	97.09

Client Sample ID	Laboratory Sample ID	Compound	Action
PRE CARBON	CA02205	Ethyl acetate	UJ
MID CARBON	CA02206	Ethyl acetate	UJ
POST CARBON	CA02207	Ethyl acetate	UJ

Continuing Calibration Verification (CCV):

1. CCV analyzed on 03/15/2018 @ 15:38 (CHEM20) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds. No qualifications were required.
2. CCV analyzed on 03/15/2018 @ 16:12 (CHEM20) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds with the following exception(s):

Compound	%D
Acrylonitrile	38.0
Ethyl acetate	46.4

Client Sample ID	Laboratory Sample ID	Compound	Action
PRE CARBON	CA02205	Acrylonitrile, Ethyl acetate	UJ
MID CARBON	CA02206	Acrylonitrile, Ethyl acetate	UJ
POST CARBON	CA02207	Acrylonitrile, Ethyl acetate	UJ

3. CCV analyzed on 03/16/2018 @ 00:14 (CHEM20) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds. Note: This CCV was outside the 24hr window. No qualifications were required.
4. CCV analyzed on 03/16/2018 @ 02:02 (CHEM20) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds. Note: This CCV was outside the 24hr window with the following exception(s):

Compound	%D
Ethyl acetate	47.7

Client Sample ID	Laboratory Sample ID	Compound	Action
PRE CARBON	CA02205	Ethyl acetate	UJ
MID CARBON	CA02206	Ethyl acetate	UJ
POST CARBON	CA02207	Ethyl acetate	UJ

Surrogates:

1. 4-Bromofluorobenzene (BFB) surrogate spike recovered within the laboratory control limits. No qualifications were required.

Internal Standard (IS) Area Performance:

1. All samples exhibited acceptable area count for all three internal standards within the QC limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB), Equipment Blank (EB) and Canister Certification:

1. Method Blank (BLANK CA02995) analyzed on 03/15/18 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample (LCS CA02995) was analyzed on 03/15/2018. All %RECs were within the laboratory control limits. No qualifications are required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Target Compound Identification:

1. All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).
2. Sample compound spectra were compared against the laboratory standard spectra.
3. No QC deviations were observed.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range with the exception of Ethanol in Samples MID CARBON (CA02206) and POST CARBON (CA02207). Result for ethanol in sample MID CARBON and POST CARBON were qualified as estimated (J).

2. Manual Calculation:

$$\text{Concentration } (\mu\text{g}/\text{m}^3) = \frac{\text{Result (ppbv)} \times \text{Molecular weight} \times \text{DF}}{24.46}$$

MID CARBON (CA02206)

Toluene

Result (ppbv) = 1.66

Molecular Weight @ 25°C=92.14

DF = 1

Concentration ($\mu\text{g}/\text{m}^3$) = $\frac{1.66 \times 92.14 \times 1}{24.46} = 6.25\mu\text{g}/\text{m}^3$

Compound	Laboratory ($\mu\text{g}/\text{m}^3$)	Validation ($\mu\text{g}/\text{m}^3$)	%D
Toluene	6.25	6.25	0.0

Comments:

1. Volatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GCA02205.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GCA02205.



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA02205

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
PRE CARBON	CA02205	TO15	3/14/2018	5	Ethylbenzene		ug/m3	U	4.99	4.99
PRE CARBON	CA02205	TO15	3/14/2018	5	cis-1,3-Dichloropropene		ug/m3	U	4.99	4.99
PRE CARBON	CA02205	TO15	3/14/2018	5	n-Butylbenzene		ug/m3	U	5.00	5.00
PRE CARBON	CA02205	TO15	3/14/2018	5	1,2-Dibromoethane(EDB)		ug/m3	U	5.00	5.00
PRE CARBON	CA02205	TO15	3/14/2018	5	1,3-Butadiene		ug/m3	U	5.00	5.00
PRE CARBON	CA02205	TO15	3/14/2018	5	1,2-Dichloroethane		ug/m3	U	5.02	5.02
PRE CARBON	CA02205	TO15	3/14/2018	5	Acrylonitrile		ug/m3	UJ	5.01	5.01
PRE CARBON	CA02205	TO15	3/14/2018	5	4-Methyl-2-pentanone(MIBK)		ug/m3	U	4.99	4.99
PRE CARBON	CA02205	TO15	3/14/2018	5	1,3,5-Trimethylbenzene		ug/m3	U	5.01	5.01
PRE CARBON	CA02205	TO15	3/14/2018	5	Toluene	6.03	ug/m3		5.01	5.01
PRE CARBON	CA02205	TO15	3/14/2018	5	Chlorobenzene		ug/m3	U	5.01	5.01
PRE CARBON	CA02205	TO15	3/14/2018	5	Tetrahydrofuran		ug/m3	U	5.01	5.01
PRE CARBON	CA02205	TO15	3/14/2018	5	Hexane		ug/m3	U	5.00	5.00
PRE CARBON	CA02205	TO15	3/14/2018	5	Cyclohexane		ug/m3	U	4.99	4.99
PRE CARBON	CA02205	TO15	3/14/2018	5	Propylene		ug/m3	U	5.01	5.01
PRE CARBON	CA02205	TO15	3/14/2018	5	1,4-Dioxane		ug/m3	U	5.01	5.01
PRE CARBON	CA02205	TO15	3/14/2018	5	Dibromochloromethane		ug/m3	U	5.00	5.00
PRE CARBON	CA02205	TO15	3/14/2018	5	Tetrachloroethene	1210	ug/m3		1.25	1.25
PRE CARBON	CA02205	TO15	3/14/2018	5	sec-Butylbenzene		ug/m3	U	5.00	5.00
PRE CARBON	CA02205	TO15	3/14/2018	5	Ethyl acetate		ug/m3	UJ	5.01	5.01
PRE CARBON	CA02205	TO15	3/14/2018	5	Heptane		ug/m3	U	5.00	5.00
PRE CARBON	CA02205	TO15	3/14/2018	5	Cis-1,2-Dichloroethene	11.2	ug/m3		4.99	4.99
PRE CARBON	CA02205	TO15	3/14/2018	5	Trans-1,2-Dichloroethene		ug/m3	U	4.99	4.99
PRE CARBON	CA02205	TO15	3/14/2018	5	Methyl tert-butyl ether(MTBE)		ug/m3	U	5.01	5.01
PRE CARBON	CA02205	TO15	3/14/2018	5	m,p-Xylene		ug/m3	U	4.99	4.99
PRE CARBON	CA02205	TO15	3/14/2018	5	Carbon Tetrachloride		ug/m3	U	1.24	1.24
PRE CARBON	CA02205	TO15	3/14/2018	5	2-Hexanone(MBK)		ug/m3	U	4.99	4.99
PRE CARBON	CA02205	TO15	3/14/2018	5	4-Ethyltoluene		ug/m3	U	5.01	5.01
PRE CARBON	CA02205	TO15	3/14/2018	5	1,1,1,2-Tetrachloroethane		ug/m3	U	5.00	5.00
PRE CARBON	CA02205	TO15	3/14/2018	5	Ethanol	190	ug/m3		5.01	5.01
PRE CARBON	CA02205	TO15	3/14/2018	5	Isopropylalcohol	67.8	ug/m3		5.01	5.01
PRE CARBON	CA02205	TO15	3/14/2018	5	Acetone	24.5	ug/m3		5.01	5.01
PRE CARBON	CA02205	TO15	3/14/2018	5	Chloroform		ug/m3	U	4.98	4.98
PRE CARBON	CA02205	TO15	3/14/2018	5	Benzene		ug/m3	U	5.01	5.01



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE
AIR

SDG: GCA02205

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
PRE CARBON	CA02205	TO15	3/14/2018	5	1,1,1-Trichloroethane		ug/m3	U	5.00	5.00
PRE CARBON	CA02205	TO15	3/14/2018	5	Bromomethane		ug/m3	U	5.01	5.01
PRE CARBON	CA02205	TO15	3/14/2018	5	Chloromethane		ug/m3	U	4.99	4.99
PRE CARBON	CA02205	TO15	3/14/2018	5	Chloroethane		ug/m3	U	5.01	5.01
PRE CARBON	CA02205	TO15	3/14/2018	5	Vinyl Chloride		ug/m3	U	1.25	1.25
PRE CARBON	CA02205	TO15	3/14/2018	5	Methylene Chloride	11.6	ug/m3		5.00	5.00
PRE CARBON	CA02205	TO15	3/14/2018	5	Carbon Disulfide	6.75	ug/m3		5.01	5.01
PRE CARBON	CA02205	TO15	3/14/2018	5	Bromoform		ug/m3	U	5.00	5.00
PRE CARBON	CA02205	TO15	3/14/2018	5	Bromodichloromethane		ug/m3	U	5.00	5.00
PRE CARBON	CA02205	TO15	3/14/2018	5	1,1-Dichloroethane		ug/m3	U	5.02	5.02
PRE CARBON	CA02205	TO15	3/14/2018	5	1,1-Dichloroethene		ug/m3	U	4.99	4.99
PRE CARBON	CA02205	TO15	3/14/2018	5	Trichlorofluoromethane		ug/m3	U	5.00	5.00
PRE CARBON	CA02205	TO15	3/14/2018	5	Dichlorodifluoromethane		ug/m3	U	4.99	4.99
PRE CARBON	CA02205	TO15	3/14/2018	5	Trichlorotrifluoroethane		ug/m3	U	5.00	5.00
PRE CARBON	CA02205	TO15	3/14/2018	5	1,2-Dichlorotetrafluoroethane		ug/m3	U	5.00	5.00
PRE CARBON	CA02205	TO15	3/14/2018	5	1,2-dichloropropane		ug/m3	U	4.99	4.99
PRE CARBON	CA02205	TO15	3/14/2018	5	Methyl Ethyl Ketone		ug/m3	U	5.01	5.01
PRE CARBON	CA02205	TO15	3/14/2018	5	1,1,2-Trichloroethane		ug/m3	U	5.00	5.00
PRE CARBON	CA02205	TO15	3/14/2018	5	Trichloroethene	12.1	ug/m3		1.25	1.25
PRE CARBON	CA02205	TO15	3/14/2018	5	1,1,2,2-Tetrachloroethane		ug/m3	U	5.00	5.00
PRE CARBON	CA02205	TO15	3/14/2018	5	Hexachlorobutadiene		ug/m3	U	5.00	5.00
PRE CARBON	CA02205	TO15	3/14/2018	5	o-Xylene		ug/m3	U	4.99	4.99
PRE CARBON	CA02205	TO15	3/14/2018	5	1,2,4-Trimethylbenzene		ug/m3	U	5.01	5.01
PRE CARBON	CA02205	TO15	3/14/2018	5	Isopropylbenzene		ug/m3	U	5.01	5.01
PRE CARBON	CA02205	TO15	3/14/2018	5	4-Isopropyltoluene		ug/m3	U	5.00	5.00
MID CARBON	CA02206	TO15	3/14/2018	1	Ethylbenzene		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	n-Butylbenzene		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	1,3-Butadiene		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Acrylonitrile		ug/m3	UJ	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	1,3,5-Trimethylbenzene		ug/m3	U	1.00	1.00



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA02205

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
MID CARBON	CA02206	TO15	3/14/2018	1	Toluene	6.25	ug/m3		1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Chlorobenzene		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Tetrahydrofuran	1.32	ug/m3		1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Hexane		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Cyclohexane		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Propylene		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	1,4-Dioxane		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Dibromochloromethane		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Tetrachloroethene	1.72	ug/m3		0.25	0.25
MID CARBON	CA02206	TO15	3/14/2018	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Ethyl acetate		ug/m3	UJ	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Heptane		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Cis-1,2-Dichloroethene		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	m,p-Xylene	1.40	ug/m3		1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Carbon Tetrachloride		ug/m3	U	0.25	0.25
MID CARBON	CA02206	TO15	3/14/2018	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	4-Ethyltoluene		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Ethanol	324	ug/m3	J	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Isopropylalcohol	9.8	ug/m3		1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Acetone	9.8	ug/m3		1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Chloroform		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Benzene		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Bromomethane		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Chloromethane	1.20	ug/m3		1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Chloroethane		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Vinyl Chloride		ug/m3	U	0.25	0.25
MID CARBON	CA02206	TO15	3/14/2018	1	Methylene Chloride	11.1	ug/m3		1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Carbon Disulfide	6.69	ug/m3		1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Bromoform		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Bromodichloromethane		ug/m3	U	1.00	1.00



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE
AIR

SDG: GCA02205

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
MID CARBON	CA02206	TO15	3/14/2018	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Trichlorofluoromethane	1.89	ug/m3		1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Dichlorodifluoromethane	3.28	ug/m3		1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Methyl Ethyl Ketone	2.89	ug/m3		1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Trichloroethene	0.43	ug/m3		0.25	0.25
MID CARBON	CA02206	TO15	3/14/2018	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	o-Xylene		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	1,2,4-Trimethylbenzene		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	Isopropylbenzene		ug/m3	U	1.00	1.00
MID CARBON	CA02206	TO15	3/14/2018	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Ethylbenzene		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	n-Butylbenzene		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	1,3-Butadiene		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Acrylonitrile		ug/m3	UJ	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	1,3,5-Trimethylbenzene		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Toluene	4.33	ug/m3		1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Chlorobenzene		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Tetrahydrofuran	1.74	ug/m3		1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Hexane		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Cyclohexane		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Propylene		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	1,4-Dioxane		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Dibromochloromethane		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Tetrachloroethene		ug/m3	U	0.25	0.25



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA02205

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
POST CARBON	CA02207	TO15	3/14/2018	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Ethyl acetate		ug/m3	UU	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Heptane		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Cis-1,2-Dichloroethene		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	m,p-Xylene	1.47	ug/m3		1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Carbon Tetrachloride		ug/m3	U	0.25	0.25
POST CARBON	CA02207	TO15	3/14/2018	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	4-Ethyltoluene		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Ethanol	174	ug/m3	J	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Isopropylalcohol	7.96	ug/m3		1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Acetone	8.69	ug/m3		1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Chloroform		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Benzene		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Bromomethane		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Chloromethane	1.32	ug/m3		1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Chloroethane		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Vinyl Chloride		ug/m3	U	0.25	0.25
POST CARBON	CA02207	TO15	3/14/2018	1	Methylene Chloride	10.9	ug/m3		1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Carbon Disulfide	5.32	ug/m3		1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Bromoform		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Bromodichloromethane		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	1,1-Dichloroethene		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Trichlorofluoromethane	1.38	ug/m3		1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Dichlorodifluoromethane	3.52	ug/m3		1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Methyl Ethyl Ketone	1.65	ug/m3		1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GCA02205

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
POST CARBON	CA02207	TO15	3/14/2018	1	Trichloroethene		ug/m3	U	0.25	0.25
POST CARBON	CA02207	TO15	3/14/2018	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	o-Xylene		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	1,2,4-Trimethylbenzene		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	Isopropylbenzene		ug/m3	U	1.00	1.00
POST CARBON	CA02207	TO15	3/14/2018	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00

DATA USABILITY SUMMARY REPORT (DUSR)
VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Project Name: 1120 Westchester Ave
Location: Bronx, New York
Project Number: 3020-036
SDG #: GBZ39510
Client: Environmental Business Consultants
Date: 02/12/2018
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for two (2) air samples analyzed for Volatiles by TO-15 in accordance to NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 11/09/2017. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 11/10/2017 for analysis.
3. The USEPA Region-II SOP # HW-31, Revision 4, October 2006, Validating Air Samples Volatile Organic Analysis of Ambient Air in Canister by Method TO-15 was used in evaluating the Volatiles data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
PRE-CARBON	BZ39510	11/09/17	VOA	Air	
POST-CARBON	BZ39511	11/09/17	VOA	Air	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All air samples were analyzed within the method holding time for air samples. No qualifications were required.

GC/MS Tuning:

1. All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration (IC):

1. Initial calibration (IC) curve analyzed on 10/06/2017 (Chem20) exhibited acceptable %RSDs ($\leq 30.0\%$) for all compounds and average RRF values (≥ 0.050) for all compounds with the exception of some compounds listed in section 15.5, Page 13 in SOP # HW-31, were ≥ 0.01 . No qualifications were required.

Continuing Calibration Verification (CCV):

1. CCV analyzed on 11/13/2017 @ 08:34 (CHEM20) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds. No qualifications were required.
2. CCV analyzed on 11/13/2017 @ 09:09 (CHEM20) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds. No qualifications were required.

3. CCV analyzed on 11/13/2017 @ 22:05 (CHEM20) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds. No qualifications were required.
4. CCV analyzed on 11/13/2017 @ 22:40 (CHEM20) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds. No qualifications were required.

Surrogates:

1. 4-Bromofluorobenzene (BFB) surrogate spike recovered within the laboratory control limits. No qualifications were required.

Internal Standard (IS) Area Performance:

1. All samples exhibited acceptable area count for all three internal standards within the QC limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB), Equipment Blank (EB) and Canister Certification:

1. Method Blank (BLANK BZ40289) analyzed on 11/13/17 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample (LCS BZ40289) was analyzed on 11/13/2017. All %RECs were within the laboratory control limits. No qualifications are required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Target Compound Identification:

1. All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).
2. Sample compound spectra were compared against the laboratory standard spectra.
3. No QC deviations were observed.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range with the exception of Ethanol in Samples SS1 (BZ38838) and 1A2 (BZ38841). Result for ethanol in sample SS1 and 1A2 were qualified as estimated (J).
2. Manual Calculation:

$$\text{Concentration } (\mu\text{g}/\text{m}^3) = \frac{\text{Result (ppbv)} \times \text{Molecular weight} \times \text{DF}}{24.46}$$

Post-Carbon (BZ39511)

Toluene

Result (ppbv) = 3.03

Molecular Weight @ 25°C=92.14

DF = 1

$$\text{Concentration } (\mu\text{g}/\text{m}^3) = \frac{3.03 \times 92.14 \times 1}{24.46} = 11.41 \mu\text{g}/\text{m}^3$$

Compound	Laboratory ($\mu\text{g}/\text{m}^3$)	Validation ($\mu\text{g}/\text{m}^3$)	%D
Toluene	11.4	11.4	0.0

Comments:

1. Volatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG:GBZ39510.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBZ39510.



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GBZ39510

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
POST-CARBON	BZ39511	TO15	11/9/2017	4	Ethylbenzene		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	cis-1,3-Dichloropropene		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	n-Butylbenzene		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	1,2-Dibromoethane(EDB)		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	1,3-Butadiene		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	1,2-Dichloroethane		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Acrylonitrile		ug/m3	U	3.99	3.99
POST-CARBON	BZ39511	TO15	11/9/2017	4	4-Methyl-2-pentanone(MIBK)		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	1,3,5-Trimethylbenzene		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Toluene	11.4	ug/m3		3.99	3.99
POST-CARBON	BZ39511	TO15	11/9/2017	4	Chlorobenzene		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Tetrahydrofuran	360	ug/m3		4.01	4.01
POST-CARBON	BZ39511	TO15	11/9/2017	4	Hexane		ug/m3	U	4.02	4.02
POST-CARBON	BZ39511	TO15	11/9/2017	4	Cyclohexane		ug/m3	U	3.99	3.99
POST-CARBON	BZ39511	TO15	11/9/2017	4	Propylene		ug/m3	U	4.01	4.01
POST-CARBON	BZ39511	TO15	11/9/2017	4	1,4-Dioxane		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Dibromochloromethane		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Tetrachloroethene	10.8	ug/m3		1.00	1.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	sec-Butylbenzene		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Ethyl acetate		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Heptane		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Cis-1,2-Dichloroethene		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Trans-1,2-Dichloroethene		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Methyl tert-butyl ether(MTBE)		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	m,p-Xylene	17.7	ug/m3		4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Carbon Tetrachloride		ug/m3	U	1.00	1.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	2-Hexanone(MBK)		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	4-Ethyltoluene		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	1,1,1,2-Tetrachloroethane		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Ethanol	18.0	ug/m3		3.99	3.99
POST-CARBON	BZ39511	TO15	11/9/2017	4	Isopropylalcohol		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Acetone	181	ug/m3		3.99	3.99
POST-CARBON	BZ39511	TO15	11/9/2017	4	Chloroform		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Benzene		ug/m3	U	3.99	3.99



**1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE
AIR
SDG: GBZ39510**

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
POST-CARBON	BZ39511	TO15	11/9/2017	4	1,1,1-Trichloroethane		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Bromomethane		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Chloromethane		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Chloroethane		ug/m3	U	4.01	4.01
POST-CARBON	BZ39511	TO15	11/9/2017	4	Vinyl Chloride		ug/m3	U	1.00	1.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Methylene Chloride		ug/m3	U	3.99	3.99
POST-CARBON	BZ39511	TO15	11/9/2017	4	Carbon Disulfide		ug/m3	U	4.01	4.01
POST-CARBON	BZ39511	TO15	11/9/2017	4	Bromoform		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Bromodichloromethane		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	1,1-Dichloroethane		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	1,1-Dichloroethene		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Trichlorofluoromethane		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Dichlorodifluoromethane		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Trichlorotrifluoroethane		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	1,2-Dichlorotetrafluoroethane		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	1,2-dichloropropane		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Methyl Ethyl Ketone	15.4	ug/m3		4.01	4.01
POST-CARBON	BZ39511	TO15	11/9/2017	4	1,1,2-Trichloroethane		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Trichloroethene		ug/m3	U	1.00	1.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	1,1,2,2-Tetrachloroethane		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Hexachlorobutadiene		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	o-Xylene	5.73	ug/m3		4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	1,2,4-Trimethylbenzene	11.5	ug/m3		4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	Isopropylbenzene		ug/m3	U	4.00	4.00
POST-CARBON	BZ39511	TO15	11/9/2017	4	4-Isopropyltoluene		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Ethylbenzene		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	cis-1,3-Dichloropropene		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	n-Butylbenzene		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	1,2-Dibromoethane(EDB)		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	1,3-Butadiene		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	1,2-Dichloroethane		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Acrylonitrile		ug/m3	U	3.99	3.99
PRE-CARBON	BZ39510	TO15	11/9/2017	4	4-Methyl-2-pentanone(MIBK)		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	1,3,5-Trimethylbenzene		ug/m3	U	4.00	4.00



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GBZ39510

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Toluene	10.1	ug/m3		3.99	3.99
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Chlorobenzene		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Hexane		ug/m3	U	4.02	4.02
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Cyclohexane		ug/m3	U	3.99	3.99
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Propylene		ug/m3	U	4.01	4.01
PRE-CARBON	BZ39510	TO15	11/9/2017	4	1,4-Dioxane		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Dibromochloromethane		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	sec-Butylbenzene		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Ethyl acetate		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Heptane		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Cis-1,2-Dichloroethene		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Trans-1,2-Dichloroethene		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Methyl tert-butyl ether(MTBE)		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	m,p-Xylene	9.46	ug/m3		4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Carbon Tetrachloride		ug/m3	U	1.00	1.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	2-Hexanone(MBK)		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	4-Ethyltoluene		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	1,1,1,2-Tetrachloroethane		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Ethanol	18.8	ug/m3		3.99	3.99
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Isopropylalcohol	10.2	ug/m3		4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Acetone		ug/m3	U	3.99	3.99
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Chloroform		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Benzene		ug/m3	U	3.99	3.99
PRE-CARBON	BZ39510	TO15	11/9/2017	4	1,1,1-Trichloroethane		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Bromomethane		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Chloromethane		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Chloroethane		ug/m3	U	4.01	4.01
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Vinyl Chloride		ug/m3	U	1.00	1.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Methylene Chloride		ug/m3	U	3.99	3.99
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Carbon Disulfide		ug/m3	U	4.01	4.01
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Bromoform		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Bromodichloromethane		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	1,1-Dichloroethane		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	1,1-Dichloroethene		ug/m3	U	4.00	4.00



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GBZ39510

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Trichlorofluoromethane		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Dichlorodifluoromethane		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Trichlorotrifluoroethane		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	1,2-Dichlorotetrafluoroethane		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	1,2-dichloropropane		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Methyl Ethyl Ketone	40.4	ug/m3	U	4.01	4.01
PRE-CARBON	BZ39510	TO15	11/9/2017	4	1,1,2-Trichloroethane		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Trichloroethene	23.7	ug/m3		1.00	1.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	1,1,2,2-Tetrachloroethane		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Hexachlorobutadiene		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	o-Xylene		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	1,2,4-Trimethylbenzene		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	Isopropylbenzene		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	4	4-Isopropyltoluene		ug/m3	U	4.00	4.00
PRE-CARBON	BZ39510	TO15	11/9/2017	70	Tetrahydrofuran	4270	ug/m3		69.9	69.9
PRE-CARBON	BZ39510	TO15	11/9/2017	70	Tetrachloroethene	12800	ug/m3		17.5	17.5

DATA USABILITY SUMMARY REPORT (DUSR)
VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Project Name: 1120 Westchester Ave
Location: Bronx, New York
Project Number: 3020-036
SDG #: GBZ38838
Client: Environmental Business Consultants
Date: 02/09/2018
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for five (5) air samples analyzed for Volatiles by TO-15 in accordance to NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 11/08/2017. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 11/09/2017 for analysis.
3. The USEPA Region-II SOP # HW-31, Revision 4, October 2006, Validating Air Samples Volatile Organic Analysis of Ambient Air in Canister by Method TO-15 was used in evaluating the Volatiles data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).



Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
SS1	BZ38838	11/08/17	VOA	Air	
SS2	BZ38839	11/08/17	VOA	Air	
IA1	BZ38840	11/08/17	VOA	Air	
1A2	BZ38841	11/08/17	VOA	Air	
OA1	BZ38842	11/08/17	VOA	Air	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All air samples were analyzed within the method holding time for summa canisters (30 days). No qualifications were required.

GC/MS Tuning:

1. All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration (IC):

1. Initial calibration (IC) curve analyzed on 10/06/2017 (Chem20) exhibited acceptable %RSDs ($\leq 30.0\%$) for all compounds and average RRF values (≥ 0.5) for all compounds with the exception of some compounds listed in section 15.5, Page 13 in SOP # HW-31, were ≥ 0.5 . No qualifications were required.

Continuing Calibration Verification (CCV):

1. CCV analyzed on 11/09/2017 @ 15:56 (CHEM20) exhibited acceptable %Ds ($\leq 30.0\%$) for all compounds. No qualifications were required.

2. CCV analyzed on 11/09/2017 @ 16:31 (CHEM20) exhibited acceptable %Ds (30.0%) for all compounds with the following exception(s):

Compound	%D
Benzene	31.7

Client Sample ID	Laboratory Sample ID	Compound	Action
SS1	BZ38838	Benzene	J
SS2	BZ38839	Benzene	J
IA1	BZ38840	Benzene	UJ
1A2	BZ38841	Benzene	UJ
OA1	BZ38842	Benzene	J

3. CCV analyzed on 11/10/2017 @ 14:51 (CHEM20) exhibited acceptable %Ds (30.0%) for all compounds with the following exception(s):

Compound	%D
Benzene	33.9

Client Sample ID	Laboratory Sample ID	Compound	Action
SS1	BZ38838	Benzene	J
SS2	BZ38839	Benzene	J
IA1	BZ38840	Benzene	UJ
1A2	BZ38841	Benzene	UJ
OA1	BZ38842	Benzene	J

4. CCV analyzed on 11/10/2017 @ 15:26 (CHEM20) exhibited acceptable %Ds (30.0%) for all compounds with the following exception(s):

Compound	%D
Acrylonitrile	35.1
Benzene	37.2

Client Sample ID	Laboratory Sample ID	Compound	Action
SS1	BZ38838	Acrylonitrile	UJ
		Benzene	J
SS2	BZ38839	Acrylonitrile	UJ
		Benzene	J
IA1	BZ38840	Acrylonitrile, Benzene	UJ
1A2	BZ38841	Acrylonitrile, Benzene	UJ

Client Sample ID	Laboratory Sample ID	Compound	Action
OA1	BZ38842	Acrylonitrile Benzene	UJ J

5. CCV analyzed on 11/13/2017 @ 08:34 (CHEM20) exhibited acceptable %Ds (□30.0%) for all compounds. No qualifications were required.
6. CCV analyzed on 11/13/2017 @ 09:09 (CHEM20) exhibited acceptable %Ds (□30.0%) for all compounds. No qualifications were required.
7. CCV analyzed on 11/13/2017 @ 22:05 (CHEM20) exhibited acceptable %Ds (□30.0%) for all compounds. No qualifications were required.
8. CCV analyzed on 11/13/2017 @ 22:40 (CHEM20) exhibited acceptable %Ds (□30.0%) for all compounds. No qualifications were required.

Surrogates:

1. 4-Bromofluorobenzene (BFB) surrogate spike recovered within the laboratory control limits. No qualifications were required.

Internal Standard (IS) Area Performance:

1. All samples exhibited acceptable area count for all three internal standards within the QC limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB), Equipment Blank (EB) and Canister Certification:

1. Method Blank (BLANK BZ38839) analyzed on 11/09/17 was free of contamination. No qualifications were required.
2. Method Blank (BLANK BZ40289) analyzed on 11/13/17 was free of contamination. No qualifications were required.
3. Canister Certification Check:

Laboratory Sample ID	Date Analyzed	Compound	Result (ppbv)	Certification Contamination Level (5x)* (ppbv)	Sample Affected	Canister ID #	Action
BLK 1127	10/04/17		ND				None
BLK 17768	10/10/17	Ethanol	8.20	41	SS1 OA1	11285 12867	None U
		Acetone	2.80	5.6	SS1 OA1	11285 12867	None
		Cis-1,2-Dichloroethene	0.380	1.9	SS1 OA1	11285 12867	None
		Hexane	0.910	4.55	SS1 OA1	11285 12867	U None
		Chloroform	1.40	7	SS1 OA1	11285 12867	None
		Benzene	0.730	3.65	SS1 OA1	11285 12867	None
		Trichloroethene	1.40	7	SS1 OA1	11285 12867	U None
		Heptane	0.770	3.85	SS1 OA1	11285 12867	None
		Toluene	12.0	60	SS1 OA1	11285 12867	None
		2-Hexanone	0.460	2.3	SS1 OA1	11285 12867	None
		Tetrachloroethene	4.30	21.5	SS1 OA1	11285 12867	None U
		Ethylbenzene	2.90	14.5	SS1 OA1	11285 12867	None
		m,p-Xylene	12.0	60	SS1 OA1	11285 12867	U None
		o-Xylene	4.00	20	SS1 OA1	11285 12867	None U
		Isopropylbenzene	0.420	2.1	SS1 OA1	11285 12867	U U
		4-Ethyltoluene	3.20	16	SS1 OA1	11285 12867	U U
		1,3,5-Trimethylbenzene	0.980	4.6	SS1 OA1	11285 12867	None U
		1,2,4-Trimethylbenzene	3.20	16	SS1 OA1	11285 12867	None U
Methyl Ethyl Ketone	0.700	3.5	SS1 OA1	11285 12867	U U		

*= If sample concentration less than the certification contamination level (CCL), then sample result qualified as non-detect (U). If sample concentration greater than the certification contamination level (CCL) or sample result was not detected, no



qualifications/action required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample (LCS BZ38839) was analyzed on 11/09/2017. All %RECs were within the laboratory control limits. No qualifications are required.
2. Laboratory Control Sample (LCS BZ40289) was analyzed on 11/13/2017. All %RECs were within the laboratory control limits. No qualifications are required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Target Compound Identification:

1. All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).
2. Sample compound spectra were compared against the laboratory standard spectra.
3. No QC deviations were observed.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range with the exception of Ethanol in Samples SS1 (BZ38838) and 1A2 (BZ38841). Result for ethanol in sample SS1 and 1A2 were qualified as estimated (J).
2. Manual Calculation:

$$\text{Concentration (}\mu\text{g/m}^3\text{)} = \frac{\text{Result (ppbv)} \times \text{Molecular weight} \times \text{DF}}{24.46}$$

IA1 (BZ38840)

Toluene

Result (ppbv) = 0.664

Molecular Weight @ 25°C = 92.14

DF = 1

$$\text{Concentration (}\mu\text{g/m}^3\text{)} = \frac{0.664 \times 92.14 \times 1}{24.46} = 2.50 \mu\text{g/m}^3$$



Compound	Laboratory ($\mu\text{g}/\text{m}^3$)	Validation ($\mu\text{g}/\text{m}^3$)	%D
Toluene	2.50	2.50	0.0

Comments:

1. Volatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBZ38838.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBZ38838.



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GBZ38838

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SS1	BZ38838	TO15	11/8/2017	1	Acrylonitrile		ug/m3	UJ	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	1,2,4-Trimethylbenzene	88.4	ug/m3		1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	1,3,5-Trimethylbenzene	26.2	ug/m3		1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	4-Ethyltoluene	28.2	ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Acetone	46.8	ug/m3		1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Benzene	12.5	ug/m3	J	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Ethanol	94.3	ug/m3	J	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Ethylbenzene	90.7	ug/m3		1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Heptane	16.8	ug/m3		1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Styrene		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Benzyl chloride		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	n-Butylbenzene	5.71	ug/m3		1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	1,3-Butadiene		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Chlorobenzene		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Tetrahydrofuran	1.42	ug/m3		1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Hexane	13.6	ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Cyclohexane	3.89	ug/m3		1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Propylene	55.9	ug/m3		1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	1,2,4-Trichlorobenzene		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	1,4-Dioxane		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Dibromochloromethane		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Ethyl acetate	1.22	ug/m3		1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
SS1	BZ38838	TO15	11/8/2017	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Isopropylbenzene	19.1	ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	1,3-Dichlorobenzene		ug/m3	U	1.00	1.00



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BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GBZ38838

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SS1	BZ38838	TO15	11/8/2017	1	Carbon Tetrachloride		ug/m3	U	0.20	0.20
SS1	BZ38838	TO15	11/8/2017	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	m,p-Xylene	326	ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Isopropylalcohol	1.17	ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Chloroform		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Methyl Ethyl Ketone	4.24	ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Bromomethane		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Chloromethane		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Chloroethane		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Vinyl Chloride		ug/m3	U	0.20	0.20
SS1	BZ38838	TO15	11/8/2017	1	Methylene Chloride	3.54	ug/m3	U	3.00	3.00
SS1	BZ38838	TO15	11/8/2017	1	Carbon Disulfide	1.82	ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Bromoform		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Bromodichloromethane		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
SS1	BZ38838	TO15	11/8/2017	1	Trichlorofluoromethane	1.26	ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Dichlorodifluoromethane	2.28	ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	o-Xylene	96.3	ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	30	Tetrachloroethene	3040	ug/m3	U	7.52	7.52
SS1	BZ38838	TO15	11/8/2017	1	4-Isopropyltoluene	1.85	ug/m3	U	1.00	1.00
SS1	BZ38838	TO15	11/8/2017	30	Toluene	339	ug/m3	U	30.0	30.0
SS1	BZ38838	TO15	11/8/2017	1	Trichloroethene	3.37	ug/m3	U	0.20	0.20
SS2	BZ38839	TO15	11/8/2017	1	Acrylonitrile		ug/m3	UJ	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Ethylbenzene	112	ug/m3	U	1.00	1.00



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DATA SUMMARY TABLE

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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SS2	BZ38839	TO15	11/8/2017	1	Styrene		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Benzyl chloride		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	n-Butylbenzene	6.58	ug/m3		1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	1,3-Butadiene		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	4-Methyl-2-pentanone(MIBK)	1.04	ug/m3		1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	1,3,5-Trimethylbenzene	30.8	ug/m3		1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Chlorobenzene		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Tetrahydrofuran	2.25	ug/m3		1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Hexane	8.10	ug/m3		1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Cyclohexane	2.97	ug/m3		1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Propylene	15.8	ug/m3		1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	1,2,4-Trichlorobenzene		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	1,4-Dioxane		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Dibromochloromethane		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Ethyl acetate	1.54	ug/m3		1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Heptane	13.2	ug/m3		1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
SS2	BZ38839	TO15	11/8/2017	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	1,3-Dichlorobenzene		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Carbon Tetrachloride		ug/m3	U	0.20	0.20
SS2	BZ38839	TO15	11/8/2017	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	4-Ethyltoluene	32.3	ug/m3		1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Isopropylalcohol		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Acetone	42.7	ug/m3		1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Chloroform		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Benzene	7.02	ug/m3	J	1.00	1.00



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BRONX, NY
DATA SUMMARY TABLE

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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SS2	BZ38839	TO15	11/8/2017	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Bromomethane		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Chloromethane		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Chloroethane		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Vinyl Chloride		ug/m3	U	0.20	0.20
SS2	BZ38839	TO15	11/8/2017	1	Methylene Chloride	3.30	ug/m3		3.00	3.00
SS2	BZ38839	TO15	11/8/2017	1	Carbon Disulfide	1.63	ug/m3		1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Bromoform		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Bromodichloromethane		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
SS2	BZ38839	TO15	11/8/2017	1	Trichlorofluoromethane	1.08	ug/m3		1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Dichlorodifluoromethane	2.25	ug/m3		1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Methyl Ethyl Ketone	3.68	ug/m3		1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Trichloroethene	4.01	ug/m3		0.20	0.20
SS2	BZ38839	TO15	11/8/2017	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	o-Xylene	130	ug/m3		1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	1,2,4-Trimethylbenzene	100	ug/m3		1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	Isopropylbenzene	38.6	ug/m3		1.00	1.00
SS2	BZ38839	TO15	11/8/2017	1	4-Isopropyltoluene	2.34	ug/m3		1.00	1.00
SS2	BZ38839	TO15	11/8/2017	30	Toluene	297	ug/m3		30.0	30.0
SS2	BZ38839	TO15	11/8/2017	30	Tetrachloroethene	3710	ug/m3		7.52	7.52
SS2	BZ38839	TO15	11/8/2017	30	m,p-Xylene	401	ug/m3		30.0	30.0
SS2	BZ38839	TO15	11/8/2017	30	Ethanol	101	ug/m3		29.9	29.9
IA1	BZ38840	TO15	11/8/2017	1	Acrylonitrile		ug/m3	UJ	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Ethylbenzene		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Styrene		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Benzyl chloride		ug/m3	U	1.00	1.00



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DATA SUMMARY TABLE

AIR
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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
IA1	BZ38840	TO15	11/8/2017	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	n-Butylbenzene		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	1,3-Butadiene		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	1,3,5-Trimethylbenzene		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Toluene	2.50	ug/m3		1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Chlorobenzene		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Tetrahydrofuran	3.30	ug/m3		1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Hexane	1.04	ug/m3		1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Cyclohexane		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Propylene		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	1,2,4-Trichlorobenzene		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	1,4-Dioxane		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Dibromochloromethane		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Tetrachloroethene	6.85	ug/m3		0.25	0.25
IA1	BZ38840	TO15	11/8/2017	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Ethyl acetate		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Heptane		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
IA1	BZ38840	TO15	11/8/2017	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	m,p-Xylene	2.83	ug/m3		1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	1,3-Dichlorobenzene		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Carbon Tetrachloride		ug/m3	U	0.20	0.20
IA1	BZ38840	TO15	11/8/2017	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	4-Ethyltoluene		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Ethanol	44.6	ug/m3		1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Isopropylalcohol	5.63	ug/m3		1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Acetone	9.7	ug/m3		1.00	1.00



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BRONX, NY
DATA SUMMARY TABLE

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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
IA1	BZ38840	TO15	11/8/2017	1	Chloroform		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Bromomethane		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Chloromethane		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Chloroethane		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Vinyl Chloride		ug/m3	U	0.20	0.20
IA1	BZ38840	TO15	11/8/2017	1	Methylene Chloride		ug/m3	U	3.00	3.00
IA1	BZ38840	TO15	11/8/2017	1	Carbon Disulfide		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Bromoform		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Bromodichloromethane		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
IA1	BZ38840	TO15	11/8/2017	1	Trichlorofluoromethane	1.30	ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Dichlorodifluoromethane	2.25	ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Methyl Ethyl Ketone	2.21	ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Trichloroethene		ug/m3	U	0.20	0.20
IA1	BZ38840	TO15	11/8/2017	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	o-Xylene	1.11	ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	1,2,4-Trimethylbenzene	1.16	ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Isopropylbenzene		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00
IA1	BZ38840	TO15	11/8/2017	1	Benzene		ug/m3	UJ	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Ethylbenzene	2.66	ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Styrene		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Benzyl chloride		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	n-Butylbenzene		ug/m3	U	1.00	1.00



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GBZ38838

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
IA2	BZ38841	TO15	11/8/2017	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	1,3-Butadiene		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Acrylonitrile		ug/m3	UJ	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	1,3,5-Trimethylbenzene		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Toluene	4.18	ug/m3		1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Chlorobenzene		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Tetrahydrofuran		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Hexane	1.04	ug/m3		1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Cyclohexane		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Propylene		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	1,2,4-Trichlorobenzene		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	1,4-Dioxane		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Dibromochloromethane		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Tetrachloroethene	1.07	ug/m3		0.25	0.25
IA2	BZ38841	TO15	11/8/2017	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Ethyl acetate	1.61	ug/m3		1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Heptane		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
IA2	BZ38841	TO15	11/8/2017	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	m,p-Xylene	13.6	ug/m3		1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	1,3-Dichlorobenzene		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Carbon Tetrachloride		ug/m3	U	0.20	0.20
IA2	BZ38841	TO15	11/8/2017	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	4-Ethyltoluene		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Ethanol	1.59	ug/m3	J	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Isopropylalcohol	7.42	ug/m3		1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Acetone	11.6	ug/m3		1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Chloroform		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00



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BRONX, NY
DATA SUMMARY TABLE
AIR

SDG: GBZ38838

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
IA2	BZ38841	TO15	11/8/2017	1	Bromomethane		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Chloromethane	1.03	ug/m3		1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Chloroethane		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Vinyl Chloride		ug/m3	U	0.20	0.20
IA2	BZ38841	TO15	11/8/2017	1	Methylene Chloride		ug/m3	U	3.00	3.00
IA2	BZ38841	TO15	11/8/2017	1	Carbon Disulfide		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Bromoform		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Bromodichloromethane		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
IA2	BZ38841	TO15	11/8/2017	1	Trichlorofluoromethane	1.17	ug/m3		1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Dichlorodifluoromethane	2.19	ug/m3		1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Methyl Ethyl Ketone	1.48	ug/m3		1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Trichloroethene		ug/m3	U	0.20	0.20
IA2	BZ38841	TO15	11/8/2017	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	o-Xylene	4.05	ug/m3		1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	1,2,4-Trimethylbenzene		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Isopropylbenzene		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00
IA2	BZ38841	TO15	11/8/2017	1	Benzene		ug/m3	UJ	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Acrylonitrile		ug/m3	UJ	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Styrene		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Benzyl chloride		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	n-Butylbenzene	2.50	ug/m3		1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GBZ38838

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
OAI	BZ38842	TO15	11/8/2017	1	1,3-Butadiene		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	1,2,4-Trimethylbenzene	38.5	ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Chlorobenzene		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Tetrahydrofuran		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Cyclohexane	1.99	ug/m3		1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Propylene		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	1,2,4-Trichlorobenzene		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	1,4-Dioxane		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Dibromochloromethane		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	1,3,5-Trimethylbenzene	10.8	ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Ethyl acetate		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
OAI	BZ38842	TO15	11/8/2017	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	1,3-Dichlorobenzene		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Carbon Tetrachloride		ug/m3	U	0.20	0.20
OAI	BZ38842	TO15	11/8/2017	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	4-Ethyltoluene	21.9	ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Isopropylalcohol	2.04	ug/m3		1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Acetone	42.3	ug/m3		1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Chloroform		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Bromomethane		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Chloromethane	1.07	ug/m3		1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Chloroethane		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Vinyl Chloride		ug/m3	U	0.20	0.20
OAI	BZ38842	TO15	11/8/2017	1	Methylene Chloride	4.65	ug/m3		3.00	3.00
OAI	BZ38842	TO15	11/8/2017	1	Carbon Disulfide		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Bromoform		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Bromodichloromethane		ug/m3	U	1.00	1.00



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

AIR
SDG: GBZ38838

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
OAI	BZ38842	TO15	11/8/2017	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	1,1-Dichloroethane		ug/m3	U	0.20	0.20
OAI	BZ38842	TO15	11/8/2017	1	Trichlorofluoromethane	1.30	ug/m3		1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Dichlorodifluoromethane	2.28	ug/m3		1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Trichloroethene		ug/m3	U	0.20	0.20
OAI	BZ38842	TO15	11/8/2017	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Benzene	16.1	ug/m3	J	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Ethanol	60.4	ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Ethylbenzene	98.5	ug/m3		1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Heptane	20.0	ug/m3		1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Hexane	19.4	ug/m3		1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Isopropylbenzene	8.79	ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	5	m,p-Xylene	423	ug/m3		4.99	4.99
OAI	BZ38842	TO15	11/8/2017	1	Methyl Ethyl Ketone	1.14	ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	o-Xylene	74.6	ug/m3	U	1.00	1.00
OAI	BZ38842	TO15	11/8/2017	1	Tetrachloroethene	6.76	ug/m3	U	0.25	0.25
OAI	BZ38842	TO15	11/8/2017	5	Toluene	606	ug/m3		5.01	5.01

DATA USABILITY SUMMARY REPORT (DUSR)
VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Project Name: 1120 Westchester Ave
Location: Bronx, New York
Project Number: 3020-036
SDG #: GBZ19337
Client: Environmental Business Consultants
Date: 2/8/2018
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for twelve (12) soil samples and two (2) trip blanks analyzed for Volatiles by SW-846 Method 8260C in accordance to NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 10/10/2017. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 10/11/2017 for analysis.
3. USEPA Region-II SOP HW-33A, Revision 0, July 2015, SOM02.2, Low/Medium Volatile Data Validation documents were used in evaluating the Volatiles data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
SB 5 (0-2)	BZ19337	10/10/17	VOA	Soil	
SB 6 (0-2)	BZ19338	10/10/17	VOA	Soil	
SB 6 (2-4)	BZ19339	10/10/17	VOA	Soil	
SB 7 (0-2)	BZ19340	10/10/17	VOA	Soil	
SB 7 (2-4)	BZ19341	10/10/17	VOA	Soil	
SB 8 (0-2)	BZ19342	10/10/17	VOA	Soil	
SB 8 (2-4)	BZ19343	10/10/17	VOA	Soil	
SB 9 (0-2)	BZ19344	10/10/17	VOA	Soil	
SB 10 (0-2)	BZ19345	10/10/17	VOA	Soil	
SB 11 (0-2)	BZ19346	10/10/17	VOA	Soil	
SB 12 (0-2)	BZ19347	10/10/17	VOA	Soil	
Duplicate	BZ19348	10/10/17	VOA	Soil	Field duplicate sample for SB 10 (0-2)
Trip Blank Low	BZ19349	10/10/17	VOA	Soil	Trip Blank
Trip Blank High	BZ19350	10/10/17	VOA	Soil	Trip Blank

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were analyzed within 14 days from sample collection. No qualifications were required.

GC/MS Tuning:

1. All the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.



Initial Calibration:

1. Initial calibration curve analyzed on 10/10/2017 (Chem14) exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-33A with the following exception(s):

Compound	%RSD
Cis-1,3-Dichloropropene	20.4
Trans-1,3-Dichloropropene	23.2
Trans-1,4-Dichloro-2-butene	35.0

Client Sample ID	Laboratory Sample ID	Compound	Action
SB 5 (0-2)	BZ19337	Cis-1,3-Dichloropropene, Trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-butene	None
SB 6 (0-2)	BZ19338	Cis-1,3-Dichloropropene, Trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-butene	None
SB 6 (2-4)	BZ19339	Cis-1,3-Dichloropropene, Trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-butene	None
SB 7 (0-2)	BZ19340	Cis-1,3-Dichloropropene, Trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-butene	None
SB 7 (2-4)	BZ19341	Cis-1,3-Dichloropropene, Trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-butene	None
SB 8 (0-2)	BZ19342	Cis-1,3-Dichloropropene, Trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-butene	None
SB 8 (2-4)	BZ19343	Cis-1,3-Dichloropropene, Trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-butene	None
SB 9 (0-2)	BZ19344	Cis-1,3-Dichloropropene, Trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-butene	None
SB 10 (0-2)	BZ19345	Cis-1,3-Dichloropropene, Trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-butene	None
SB 11 (0-2)	BZ19346	Cis-1,3-Dichloropropene, Trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-butene	None
SB 12 (0-2)	BZ19347	Cis-1,3-Dichloropropene, Trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-butene	None
Duplicate	BZ19348	Cis-1,3-Dichloropropene, Trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-butene	None
Trip Blank Low	BZ19349	Cis-1,3-Dichloropropene, Trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-butene	None
Trip Blank High	BZ19350	Cis-1,3-Dichloropropene, Trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-butene	None

- Initial calibration curve analyzed on 10/05/2017 (Chem18) exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-33A. No qualifications were required.

Continuing Calibration Verification (CCV):

- Opening CCV analyzed on 10/12/2017 @ 09:56 (CHEM14) exhibited acceptable %Ds and RRF values for compounds listed in Table 2 in SOP HW-33A with the following exception(s):

Compound	%D
Bromodichloromethane	-20.5
Cis-1,3-Dichloropropene	-25.5

Client Sample ID	Laboratory Sample ID	Compound	Action
SB 5 (0-2)	BZ19337	Bromodichloromethane, Cis-1,3-Dichloropropene	UJ
SB 6 (0-2)	BZ19338	Bromodichloromethane, Cis-1,3-Dichloropropene	UJ
SB 7 (2-4)	BZ19341	Bromodichloromethane, Cis-1,3-Dichloropropene	UJ
SB 8 (0-2)	BZ19342	Bromodichloromethane, Cis-1,3-Dichloropropene	UJ
SB 8 (2-4)	BZ19343	Bromodichloromethane, Cis-1,3-Dichloropropene	UJ
SB 9 (0-2)	BZ19344	Bromodichloromethane, Cis-1,3-Dichloropropene	UJ
SB 10 (0-2)	BZ19345	Bromodichloromethane, Cis-1,3-Dichloropropene	UJ
SB 11 (0-2)	BZ19346	Bromodichloromethane, Cis-1,3-Dichloropropene	UJ
SB 12 (0-2)	BZ19347	Bromodichloromethane, Cis-1,3-Dichloropropene	UJ
Duplicate	BZ19348	Bromodichloromethane, Cis-1,3-Dichloropropene	UJ
Trip Blank Low	BZ19349	Bromodichloromethane, Cis-1,3-Dichloropropene	UJ
Trip Blank High	BZ19350	Bromodichloromethane, Cis-1,3-Dichloropropene	UJ

- Closing CCV analyzed on 10/12/2017 @ 21:49 (CHEM14) exhibited acceptable %Ds and RRF values for compounds listed in Table 2 in SOP HW-33A. No qualifications are required.
- Opening CCV analyzed on 10/12/2017 @ 22:58 (CHEM14) exhibited acceptable %Ds and RRF values for compounds listed in Table 2 in SOP HW-33A. No qualifications are required.

4. Opening CCV analyzed on 10/13/2017 @ 10:56 (CHEM14) exhibited acceptable %Ds and RRF values for compounds listed in Table 2 in SOP HW-33A. No qualifications are required.
5. Opening CCV analyzed on 10/13/2017 @ 19:31 (CHEM14) exhibited acceptable %Ds and RRF values for compounds listed in Table 2 in SOP HW-33A. No qualifications are required.
6. Closing CCV analyzed on 10/14/2017 @ 07:44 (CHEM14) exhibited acceptable %Ds and RRF values for compounds listed in Table 2 in SOP HW-33A. No qualifications are required.
7. Opening CCV analyzed on 10/16/2017 @ 07:57 (CHEM18) exhibited acceptable %Ds and RRF values for compounds listed in Table 2 in SOP HW-33A. No qualifications are required.
8. Closing CCV analyzed on 10/16/2017 @ 19:05 (CHEM18) exhibited acceptable %Ds and RRF values for compounds listed in Table 2 in SOP HW-33A. No qualifications are required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Internal Standard (IS) Area Performance:

1. Samples exhibited acceptable area count for the internal standards within the QC limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BZ14550Blank) analyzed on 10/13/2017 was free of contamination. No qualifications were required.
2. Method Blank (BZ19047Blank) analyzed on 10/12/2017 was free of contamination. No qualifications were required.
3. Method Blank (BZ19339Blank) analyzed on 10/13/2017 was free of contamination. No qualifications were required.

4. Method Blank (BZ20229Blank) analyzed on 10/13/2017 was free of contamination. No qualifications were required.
5. Method Blank (BZ20695Blank) analyzed on 10/16/2017 was free of contamination. No qualifications were required.
6. Trip Blank Low (BZ19349) analyzed on 10/10/2017 was free of contamination. No qualifications were required.
7. Trip Blank High (BZ19350) analyzed on 10/10/2017 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Sample ID: BZ14550 were analyzed on 10/13/2017. All %RECs and RPDs were within the laboratory control limits. No qualifications were required.
2. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Sample ID: BZ19047 were analyzed on 10/12/2017. All %RECs and RPDs were within the laboratory control limits with the following exception(s):

Compound	%R/%R/RPD	Sample Affected	Action
Acetone	67/67/A	Trip Blank High, Trip Blank Low, SB 5 (0-2), SB 6 (0-2), SB 7 (2-4), SB 8 (0-2), SB 8 (2-4), SB 9 (0-2), SB 10 (0-2), SB 11 (0-2), SB 12 (0-2), DUPLICATE	UJ

A= Acceptable

3. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Sample ID: BZ19339 were analyzed on 10/13/2017. All %RECs and RPDs were within the laboratory control limits. No qualifications were required.
4. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Sample ID: BZ20229 were analyzed on 10/13/2017. All %RECs and RPDs were within the laboratory control limits. No qualifications were required.
5. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Sample ID: BZ20695 were analyzed on 10/16/2017. All %RECs and RPDs were within the laboratory control limits with the following exception(s):

Compound	%R/%R/RPD	Sample Affected	Action
Acetone	A/66/A	SB 6 (2-4) LL	UJ

A= Acceptable

Field Duplicate:

1. Sample DUPLICATE (BZ19348) was collected as a field duplicate of sample SB 10 (0-2) (BZ19345). Both sample results were non-detect with the following exception(s):

Field Sample	Analyte	Analytical Method	Result	Units	Field Duplicate	Result	Units	RPD	Qualifier
SB 10 (0-2)	Tetrachloroethene	SW8468260	4300	mg/Kg	DUPLICATE	6600	mg/Kg	42.2	None

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) were performed on sample SB 6 (2-4) (BZ19339). All %RECs/RPDs were within the laboratory control limits. No qualifications were required.

Target Compound Identification:

1. All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).
2. Sample compound spectra were compared against the laboratory standard spectra.
3. No QC deviations were observed.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range. No qualifications were required.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

$$Cx = \frac{(Ax)(IS)(DF)}{(Ais)(RRF)(V)(\%Solids)}$$



Cx = concentration of analyte as ug/kg
 Ax = Area of the characteristic ion for the compound to be measured, counts.
 Ais = Area of the characteristic ion for the specific internal standard, counts.
 IS = Concentration of the internal standard spiking mixture, ng
 RRF= Mean relative response factor from the initial calibration.
 DF = Dilution factor calculated. If no dilution is performed, DF= 1
 V= Volume for liquids in ml, weight for soils/solids in grams.

BZ19339 LCS

Acetone

Sample weight= 5.0g
 Volume purged=5.0ml
 DF = 1
 %Solids=NA

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{50099 \times 50 \times 1 \times 5.0}{306258 \times 0.198 \times 5.0} = 41.309 \mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Acetone	41	41	0.0

Comments:

1. Volatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG:GBZ19337.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBZ19337.





1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

SOIL
SDG: GBZ19337

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Ethylbenzene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Styrene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	cis-1,3-Dichloropropene		ug/Kg	UJ	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	trans-1,3-Dichloropropene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	n-Propylbenzene		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	n-Butylbenzene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	4-Chlorotoluene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,4-Dichlorobenzene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,2-Dibromoethane		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Acrolein		ug/Kg	U	2.5	20
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,2-Dichloroethane		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Acrylonitrile		ug/Kg	U	0.50	20
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	4-Methyl-2-pentanone		ug/Kg	U	5.0	25
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,3,5-Trimethylbenzene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Bromobenzene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Toluene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Chlorobenzene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Tetrahydrofuran (THF)		ug/Kg	U	2.5	10
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	trans-1,4-dichloro-2-butene		ug/Kg	U	2.5	10
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,4-dioxane		ug/Kg	U	40	75
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Dibromochloromethane		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Tetrachloroethene		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	sec-Butylbenzene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,3-Dichloropropane		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	cis-1,2-Dichloroethene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	trans-1,2-Dichloroethene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.0	10
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	m&p-Xylene		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	2-Isopropyltoluene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,3-Dichlorobenzene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Carbon tetrachloride		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,1-Dichloropropene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	2-Hexanone		ug/Kg	U	5.0	25



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

SOIL
SDG: GBZ19337

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	2,2-Dichloropropane		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.0	20
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Acetone		ug/Kg	UJ	5.0	25
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Chloroform		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Benzene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,1,1-Trichloroethane		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Bromomethane		ug/Kg	U	2.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Chloromethane		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Dibromomethane		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Bromochloromethane		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Chloroethane		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Vinyl chloride		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Methylene chloride		ug/Kg	U	5.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Carbon Disulfide		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Bromoform		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Bromodichloromethane		ug/Kg	UJ	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,1-Dichloroethane		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,1-Dichloroethene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Tert-butyl alcohol		ug/Kg	U	20	100
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Trichlorofluoromethane		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Dichlorodifluoromethane		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Trichlorotrifluoroethane		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,2-Dichloropropane		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Methyl Ethyl Ketone		ug/Kg	U	5.0	30
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,1,2-Trichloroethane		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Trichloroethene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Hexachlorobutadiene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Naphthalene		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	o-Xylene		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	2-Chlorotoluene		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,2-Dichlorobenzene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,2,4-Trimethylbenzene		ug/Kg	U	0.50	5.0



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

SOIL
SDG: GBZ19337

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.0	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	1,2,3-Trichloropropane		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	tert-Butylbenzene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	Isopropylbenzene		ug/Kg	U	0.50	5.0
BZ19349-TB	BZ19349	SW8260	10/10/2017	1	p-Isopropyltoluene		ug/Kg	U	0.50	5.0
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Ethylbenzene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Styrene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	cis-1,3-Dichloropropene		ug/Kg	UJ	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	trans-1,3-Dichloropropene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	n-Propylbenzene		ug/Kg	U	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	n-Butylbenzene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	4-Chlorotoluene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,4-Dichlorobenzene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,2-Dibromoethane		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Acrolein		ug/Kg	U	130	1000
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,2-Dichloroethane		ug/Kg	U	25	25
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Acrylonitrile		ug/Kg	U	25	1000
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	4-Methyl-2-pentanone		ug/Kg	U	250	1300
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,3,5-Trimethylbenzene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Bromobenzene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Toluene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Chlorobenzene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Tetrahydrofuran (THF)		ug/Kg	U	130	500
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	trans-1,4-dichloro-2-butene		ug/Kg	U	130	500
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,2,4-Trichlorobenzene		ug/Kg	U	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,4-dioxane		ug/Kg	U	2000	2000
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Dibromochloromethane		ug/Kg	U	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Tetrachloroethene		ug/Kg	U	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	sec-Butylbenzene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,3-Dichloropropane		ug/Kg	U	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	cis-1,2-Dichloroethene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	trans-1,2-Dichloroethene		ug/Kg	U	25	190
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Methyl t-butyl ether (MTBE)		ug/Kg	U	50	500
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	m&p-Xylene		ug/Kg	U	50	250



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DATA SUMMARY TABLE

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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	2-Isopropyltoluene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,3-Dichlorobenzene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Carbon tetrachloride		ug/Kg	U	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,1-Dichloropropene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	2-Hexanone		ug/Kg	U	250	1300
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	2,2-Dichloropropane		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	50	1000
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Acetone		ug/Kg	UJ	250	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Chloroform		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Benzene		ug/Kg	U	25	60
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,1,1-Trichloroethane		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Bromomethane		ug/Kg	U	100	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Chloromethane		ug/Kg	U	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Dibromomethane		ug/Kg	U	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Bromochloromethane		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Chloroethane		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Vinyl chloride		ug/Kg	U	25	25
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Methylene chloride		ug/Kg	U	250	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Carbon Disulfide		ug/Kg	U	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Bromoform		ug/Kg	U	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Bromodichloromethane		ug/Kg	UJ	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,1-Dichloroethane		ug/Kg	U	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,1-Dichloroethene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Tert-butyl alcohol		ug/Kg	U	1000	5000
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Trichlorofluoromethane		ug/Kg	U	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Dichlorodifluoromethane		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Trichlorotrifluoroethane		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,2-Dichloropropane		ug/Kg	U	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Methyl Ethyl Ketone		ug/Kg	U	250	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,1,2-Trichloroethane		ug/Kg	U	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Trichloroethene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,1,2,2-Tetrachloroethane		ug/Kg	U	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,2,3-Trichlorobenzene		ug/Kg	U	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Hexachlorobutadiene		ug/Kg	U	25	250



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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Naphthalene		ug/Kg	U	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	o-Xylene		ug/Kg	U	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	2-Chlorotoluene		ug/Kg	U	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,2-Dichlorobenzene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,2,4-Trimethylbenzene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,2-Dibromo-3-chloropropane		ug/Kg	U	50	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	1,2,3-Trichloropropane		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	tert-Butylbenzene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	Isopropylbenzene		ug/Kg	U	25	250
BZ19350-TB	BZ19350	SW8260	10/10/2017	50	p-Isopropyltoluene		ug/Kg	U	25	250
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Ethylbenzene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Styrene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	cis-1,3-Dichloropropene		ug/Kg	UJ	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	trans-1,3-Dichloropropene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	n-Propylbenzene		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	n-Butylbenzene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	4-Chlorotoluene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,4-Dichlorobenzene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,2-Dibromoethane		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Acrolein		ug/Kg	U	110	900
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,2-Dichloroethane		ug/Kg	U	23	23
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Acrylonitrile		ug/Kg	U	23	900
DUPLICATE	BZ19348	SW8260	10/10/2017	50	4-Methyl-2-pentanone		ug/Kg	U	230	1100
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,3,5-Trimethylbenzene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Bromobenzene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Toluene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Chlorobenzene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Tetrahydrofuran (THF)		ug/Kg	U	110	450
DUPLICATE	BZ19348	SW8260	10/10/2017	50	trans-1,4-dichloro-2-butene		ug/Kg	U	110	450
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,2,4-Trichlorobenzene		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,4-dioxane		ug/Kg	U	1800	1800
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Dibromochloromethane		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Tetrachloroethene	6600	ug/Kg		45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	sec-Butylbenzene		ug/Kg	U	23	230



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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,3-Dichloropropane		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	cis-1,2-Dichloroethene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	trans-1,2-Dichloroethene		ug/Kg	U	23	190
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Methyl t-butyl ether (MTBE)		ug/Kg	U	45	450
DUPLICATE	BZ19348	SW8260	10/10/2017	50	m&p-Xylene		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	2-Isopropyltoluene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,3-Dichlorobenzene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Carbon tetrachloride		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,1-Dichloropropene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	2-Hexanone		ug/Kg	U	230	1100
DUPLICATE	BZ19348	SW8260	10/10/2017	50	2,2-Dichloropropane		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Acetone		ug/Kg	UJ	230	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Chloroform		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Benzene		ug/Kg	U	23	60
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,1,1-Trichloroethane		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Bromomethane		ug/Kg	U	90	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Chloromethane		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Dibromomethane		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Bromochloromethane		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Chloroethane		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Vinyl chloride		ug/Kg	U	23	23
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Methylene chloride		ug/Kg	U	230	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Carbon Disulfide		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Bromoform		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Bromodichloromethane		ug/Kg	UJ	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,1-Dichloroethane		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,1-Dichloroethene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Tert-butyl alcohol		ug/Kg	U	900	4500
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Trichlorofluoromethane		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Dichlorodifluoromethane		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Trichlorotrifluoroethane		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,2-Dichloropropane		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Methyl Ethyl Ketone		ug/Kg	U	230	230



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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,1,2-Trichloroethane		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Trichloroethene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,1,2,2-Tetrachloroethane		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,2,3-Trichlorobenzene		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Hexachlorobutadiene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Naphthalene		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	o-Xylene		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	2-Chlorotoluene		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,2-Dichlorobenzene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,2,4-Trimethylbenzene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,2-Dibromo-3-chloropropane		ug/Kg	U	45	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	1,2,3-Trichloropropane		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	tert-Butylbenzene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	Isopropylbenzene		ug/Kg	U	23	230
DUPLICATE	BZ19348	SW8260	10/10/2017	50	p-Isopropyltoluene		ug/Kg	U	23	230
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Ethylbenzene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Styrene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	cis-1,3-Dichloropropene		ug/Kg	UJ	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	trans-1,3-Dichloropropene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	n-Propylbenzene		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	n-Butylbenzene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	4-Chlorotoluene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,4-Dichlorobenzene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,2-Dibromoethane		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Acrolein		ug/Kg	U	100	810
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,2-Dichloroethane		ug/Kg	U	20	20
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Acrylonitrile		ug/Kg	U	20	810
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	4-Methyl-2-pentanone		ug/Kg	U	200	1000
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,3,5-Trimethylbenzene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Bromobenzene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Toluene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Chlorobenzene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Tetrahydrofuran (THF)		ug/Kg	U	100	410
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	trans-1,4-dichloro-2-butene		ug/Kg	U	100	410



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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,2,4-Trichlorobenzene		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,4-dioxane		ug/Kg	U	1600	1600
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Dibromochloromethane		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Tetrachloroethene	4300	ug/Kg		41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	sec-Butylbenzene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,3-Dichloropropane		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	cis-1,2-Dichloroethene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	trans-1,2-Dichloroethene		ug/Kg	U	20	190
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Methyl t-butyl ether (MTBE)		ug/Kg	U	41	410
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	m&p-Xylene		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	2-Isopropyltoluene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,3-Dichlorobenzene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Carbon tetrachloride		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,1-Dichloropropene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	2-Hexanone		ug/Kg	U	200	1000
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	2,2-Dichloropropane		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Acetone		ug/Kg	UJ	200	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Chloroform		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Benzene		ug/Kg	U	20	60
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,1,1-Trichloroethane		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Bromomethane		ug/Kg	U	81	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Chloromethane		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Dibromomethane		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Bromochloromethane		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Chloroethane		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Vinyl chloride		ug/Kg	U	20	20
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Methylene chloride		ug/Kg	U	200	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Carbon Disulfide		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Bromoform		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Bromodichloromethane		ug/Kg	UJ	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,1-Dichloroethane		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,1-Dichloroethene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Tert-butyl alcohol		ug/Kg	U	810	4100



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SOIL
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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Trichlorofluoromethane		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Dichlorodifluoromethane		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Trichlorotrifluoroethane		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,2-Dichloropropane		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Methyl Ethyl Ketone		ug/Kg	U	200	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,1,2-Trichloroethane		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Trichloroethene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,1,2,2-Tetrachloroethane		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,2,3-Trichlorobenzene		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Hexachlorobutadiene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Naphthalene		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	o-Xylene		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	2-Chlorotoluene		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,2-Dichlorobenzene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,2,4-Trimethylbenzene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,2-Dibromo-3-chloropropane		ug/Kg	U	41	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	1,2,3-Trichloropropane		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	tert-Butylbenzene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	Isopropylbenzene		ug/Kg	U	20	200
SB 10 (0-2)	BZ19345	SW8260	10/10/2017	50	p-Isopropyltoluene		ug/Kg	U	20	200
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Ethylbenzene		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Styrene		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	cis-1,3-Dichloropropene		ug/Kg	UJ	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	trans-1,3-Dichloropropene		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	n-Propylbenzene		ug/Kg	U	52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	n-Butylbenzene		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	4-Chlorotoluene		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,4-Dichlorobenzene		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,2-Dibromoethane		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Acrolein		ug/Kg	U	130	1000
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,2-Dichloroethane		ug/Kg	U	26	26
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Acrylonitrile		ug/Kg	U	26	1000
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	4-Methyl-2-pentanone		ug/Kg	U	260	1300
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,3,5-Trimethylbenzene		ug/Kg	U	26	260



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BRONX, NY
DATA SUMMARY TABLE

SOIL
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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Bromobenzene		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Toluene		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Chlorobenzene		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Tetrahydrofuran (THF)		ug/Kg	U	130	520
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	trans-1,4-dichloro-2-butene		ug/Kg	U	130	520
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,2,4-Trichlorobenzene		ug/Kg	U	52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,4-dioxane		ug/Kg	U	2100	2100
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Dibromochloromethane		ug/Kg	U	52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Tetrachloroethene	5600	ug/Kg		52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	sec-Butylbenzene		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,3-Dichloropropane		ug/Kg	U	52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	cis-1,2-Dichloroethene		ug/Kg	U	26	250
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	trans-1,2-Dichloroethene		ug/Kg	U	26	190
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Methyl t-butyl ether (MTBE)		ug/Kg	U	52	520
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	m&p-Xylene		ug/Kg	U	52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	2-Isopropyltoluene		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,3-Dichlorobenzene		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Carbon tetrachloride		ug/Kg	U	52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,1-Dichloropropene		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	2-Hexanone		ug/Kg	U	260	1300
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	2,2-Dichloropropane		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	52	1000
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Acetone		ug/Kg	UJ	260	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Chloroform		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Benzene		ug/Kg	U	26	60
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,1,1-Trichloroethane		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Bromomethane		ug/Kg	U	100	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Chloromethane		ug/Kg	U	52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Dibromomethane		ug/Kg	U	52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Bromochloromethane		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Chloroethane		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Vinyl chloride		ug/Kg	U	26	26
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Methylene chloride		ug/Kg	U	260	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Carbon Disulfide		ug/Kg	U	52	260



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DATA SUMMARY TABLE

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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Bromofom		ug/Kg	U	52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Bromodichloromethane		ug/Kg	UJ	52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,1-Dichloroethane		ug/Kg	U	52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,1-Dichloroethene		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Tert-butyl alcohol		ug/Kg	U	1000	5200
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Trichlorofluoromethane		ug/Kg	U	52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Dichlorodifluoromethane		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Trichlorotrifluoroethane		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,2-Dichloropropane		ug/Kg	U	52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Methyl Ethyl Ketone		ug/Kg	U	260	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,1,2-Trichloroethane		ug/Kg	U	52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Trichloroethene		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,1,2,2-Tetrachloroethane		ug/Kg	U	52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,2,3-Trichlorobenzene		ug/Kg	U	52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Hexachlorobutadiene		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Naphthalene		ug/Kg	U	52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	o-Xylene		ug/Kg	U	52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	2-Chlorotoluene		ug/Kg	U	52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,2-Dichlorobenzene		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,2,4-Trimethylbenzene		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,2-Dibromo-3-chloropropane		ug/Kg	U	52	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	1,2,3-Trichloropropane		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	tert-Butylbenzene		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	Isopropylbenzene		ug/Kg	U	26	260
SB 11 (0-2)	BZ19346	SW8260	10/10/2017	50	p-Isopropyltoluene		ug/Kg	U	26	260
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Ethylbenzene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Styrene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	cis-1,3-Dichloropropene		ug/Kg	UJ	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	trans-1,3-Dichloropropene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	n-Propylbenzene		ug/Kg	U	53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	n-Butylbenzene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	4-Chlorotoluene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,4-Dichlorobenzene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,2-Dibromoethane		ug/Kg	U	27	270

**1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE**

**SOIL
SDG: GBZ19337**

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Acrolein		ug/Kg	U	130	1100
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,2-Dichloroethane		ug/Kg	U	27	27
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Acrylonitrile		ug/Kg	U	27	1100
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	4-Methyl-2-pentanone		ug/Kg	U	270	1300
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,3,5-Trimethylbenzene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Bromobenzene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Toluene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Chlorobenzene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Tetrahydrofuran (THF)		ug/Kg	U	130	530
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	trans-1,4-dichloro-2-butene		ug/Kg	U	130	530
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,2,4-Trichlorobenzene		ug/Kg	U	53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,4-dioxane		ug/Kg	U	2100	2100
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Dibromochloromethane		ug/Kg	U	53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Tetrachloroethene	4000	ug/Kg		53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	sec-Butylbenzene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,3-Dichloropropane		ug/Kg	U	53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	cis-1,2-Dichloroethene		ug/Kg	U	27	250
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	trans-1,2-Dichloroethene		ug/Kg	U	27	190
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Methyl t-butyl ether (MTBE)		ug/Kg	U	53	530
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	m&p-Xylene		ug/Kg	U	53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	2-Isopropyltoluene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,3-Dichlorobenzene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Carbon tetrachloride		ug/Kg	U	53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,1-Dichloropropene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	2-Hexanone		ug/Kg	U	270	1300
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	2,2-Dichloropropane		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	53	1100
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Acetone		ug/Kg	UJ	270	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Chloroform		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Benzene		ug/Kg	U	27	60
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,1,1-Trichloroethane		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Bromomethane		ug/Kg	U	110	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Chloromethane		ug/Kg	U	53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Dibromomethane		ug/Kg	U	53	270



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DATA SUMMARY TABLE

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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Bromochloromethane		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Chloroethane		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Vinyl chloride		ug/Kg	U	27	27
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Methylene chloride		ug/Kg	U	270	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Carbon Disulfide		ug/Kg	U	53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Bromoform		ug/Kg	U	53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Bromodichloromethane		ug/Kg	UJ	53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,1-Dichloroethane		ug/Kg	U	53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,1-Dichloroethene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Tert-butyl alcohol		ug/Kg	U	1100	5300
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Trichlorofluoromethane		ug/Kg	U	53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Dichlorodifluoromethane		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Trichlorotrifluoroethane		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,2-Dichloropropane		ug/Kg	U	53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Methyl Ethyl Ketone		ug/Kg	U	270	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,1,2-Trichloroethane		ug/Kg	U	53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Trichloroethene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,1,2,2-Tetrachloroethane		ug/Kg	U	53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,2,3-Trichlorobenzene		ug/Kg	U	53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Hexachlorobutadiene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Naphthalene		ug/Kg	U	53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	o-Xylene		ug/Kg	U	53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	2-Chlorotoluene		ug/Kg	U	53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,2-Dichlorobenzene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,2,4-Trimethylbenzene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,2-Dibromo-3-chloropropane		ug/Kg	U	53	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	1,2,3-Trichloropropane		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	tert-Butylbenzene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	Isopropylbenzene		ug/Kg	U	27	270
SB 12 (0-2)	BZ19347	SW8260	10/10/2017	50	p-Isopropyltoluene		ug/Kg	U	27	270
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Ethylbenzene		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Styrene		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	cis-1,3-Dichloropropene		ug/Kg	UJ	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	trans-1,3-Dichloropropene		ug/Kg	U	31	310



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

SOIL
SDG: GBZ19337

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	n-Propylbenzene		ug/Kg	U	61	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	n-Butylbenzene		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	4-Chlorotoluene		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,4-Dichlorobenzene		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,2-Dibromoethane		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Acrolein		ug/Kg	U	150	1200
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,2-Dichloroethane		ug/Kg	U	31	31
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Acrylonitrile		ug/Kg	U	31	1200
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	4-Methyl-2-pentanone		ug/Kg	U	310	1500
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,3,5-Trimethylbenzene		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Bromobenzene		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Toluene		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Chlorobenzene		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Tetrahydrofuran (THF)		ug/Kg	U	150	610
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	trans-1,4-dichloro-2-butene		ug/Kg	U	150	610
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,2,4-Trichlorobenzene		ug/Kg	U	61	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,4-dioxane		ug/Kg	U	2400	2400
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Dibromochloromethane		ug/Kg	U	61	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	sec-Butylbenzene		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,3-Dichloropropane		ug/Kg	U	61	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	cis-1,2-Dichloroethene		ug/Kg	U	31	250
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	trans-1,2-Dichloroethene		ug/Kg	U	31	190
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Methyl t-butyl ether (MTBE)		ug/Kg	U	61	610
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	m&p-Xylene		ug/Kg	U	61	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	2-Isopropyltoluene		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,3-Dichlorobenzene		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Carbon tetrachloride		ug/Kg	U	61	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,1-Dichloropropene		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	2-Hexanone		ug/Kg	U	310	1500
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	2,2-Dichloropropane		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	61	1200
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Acetone		ug/Kg	UJ	310	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Chloroform		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Benzene		ug/Kg	U	31	60

**1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE**

**SOIL
SDG: GBZ19337**

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,1,1-Trichloroethane		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Bromomethane		ug/Kg	U	120	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Chloromethane		ug/Kg	U	61	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Dibromomethane		ug/Kg	U	61	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Bromochloromethane		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Chloroethane		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Vinyl chloride		ug/Kg	U	31	31
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Methylene chloride		ug/Kg	U	310	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Carbon Disulfide		ug/Kg	U	61	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Bromoform		ug/Kg	U	61	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Bromodichloromethane		ug/Kg	UJ	61	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,1-Dichloroethane		ug/Kg	U	61	270
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,1-Dichloroethene		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Tert-butyl alcohol		ug/Kg	U	1200	6100
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Trichlorofluoromethane		ug/Kg	U	61	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Dichlorodifluoromethane		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Trichlorotrifluoroethane		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,2-Dichloropropane		ug/Kg	U	61	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Methyl Ethyl Ketone		ug/Kg	U	310	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,1,2-Trichloroethane		ug/Kg	U	61	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Trichloroethene		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,1,2,2-Tetrachloroethane		ug/Kg	U	61	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,2,3-Trichlorobenzene		ug/Kg	U	61	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Hexachlorobutadiene		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Naphthalene		ug/Kg	U	61	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	o-Xylene		ug/Kg	U	61	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	2-Chlorotoluene		ug/Kg	U	61	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,2-Dichlorobenzene		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,2,4-Trimethylbenzene		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,2-Dibromo-3-chloropropane		ug/Kg	U	61	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	1,2,3-Trichloropropane		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	tert-Butylbenzene		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	Isopropylbenzene		ug/Kg	U	31	310
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	50	p-Isopropyltoluene		ug/Kg	U	31	310

**1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE**

**SOIL
SDG: GBZ19337**

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 5 (0-2)	BZ19337	SW8260	10/10/2017	200	Tetrachloroethene	17000	ug/Kg		240	1200
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Ethylbenzene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Styrene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	cis-1,3-Dichloropropene		ug/Kg	UJ	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	trans-1,3-Dichloropropene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	n-Propylbenzene		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	n-Butylbenzene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	4-Chlorotoluene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,4-Dichlorobenzene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,2-Dibromoethane		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Acrolein		ug/Kg	U	110	910
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,2-Dichloroethane		ug/Kg	U	23	23
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Acrylonitrile		ug/Kg	U	23	910
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	4-Methyl-2-pentanone		ug/Kg	U	230	1100
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,3,5-Trimethylbenzene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Bromobenzene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Toluene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Chlorobenzene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Tetrahydrofuran (THF)		ug/Kg	U	110	460
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	trans-1,4-dichloro-2-butene		ug/Kg	U	110	460
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,2,4-Trichlorobenzene		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,4-dioxane		ug/Kg	U	1800	1800
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Dibromochloromethane		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	sec-Butylbenzene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,3-Dichloropropane		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	cis-1,2-Dichloroethene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	trans-1,2-Dichloroethene		ug/Kg	U	23	190
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Methyl t-butyl ether (MTBE)		ug/Kg	U	46	460
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	m&p-Xylene		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	2-Isopropyltoluene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,3-Dichlorobenzene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Carbon tetrachloride		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,1-Dichloropropene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	2-Hexanone		ug/Kg	U	230	1100



**1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE**

**SOIL
SDG: GBZ19337**

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	2,2-Dichloropropane		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Acetone		ug/Kg	UJ	230	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Chloroform		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Benzene		ug/Kg	U	23	60
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,1,1-Trichloroethane		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Bromomethane		ug/Kg	U	91	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Chloromethane		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Dibromomethane		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Bromochloromethane		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Chloroethane		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Vinyl chloride		ug/Kg	U	23	23
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Methylene chloride		ug/Kg	U	230	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Carbon Disulfide		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Bromoform		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Bromodichloromethane		ug/Kg	UJ	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,1-Dichloroethane		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,1-Dichloroethene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Tert-butyl alcohol		ug/Kg	U	910	4600
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Trichlorofluoromethane		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Dichlorodifluoromethane		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Trichlorotrifluoroethane		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,2-Dichloropropane		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Methyl Ethyl Ketone		ug/Kg	U	230	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,1,2-Trichloroethane		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Trichloroethene	64	ug/Kg	J	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,1,2,2-Tetrachloroethane		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,2,3-Trichlorobenzene		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Hexachlorobutadiene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Naphthalene		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	o-Xylene		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	2-Chlorotoluene		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,2-Dichlorobenzene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,2,4-Trimethylbenzene		ug/Kg	U	23	230



**1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE**

**SOIL
SDG: GBZ19337**

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,2-Dibromo-3-chloropropane		ug/Kg	U	46	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	1,2,3-Trichloropropane		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	tert-Butylbenzene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	Isopropylbenzene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	50	p-Isopropyltoluene		ug/Kg	U	23	230
SB 6 (0-2)	BZ19338	SW8260	10/10/2017	1000	Tetrachloroethene	57000	ug/Kg		910	4600
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	50	Tetrachloroethene	960	ug/Kg		47	230
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Ethylbenzene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Styrene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	cis-1,3-Dichloropropene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	trans-1,3-Dichloropropene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	n-Propylbenzene		ug/Kg	U	0.78	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	n-Butylbenzene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	4-Chlorotoluene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,4-Dichlorobenzene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,2-Dibromoethane		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Acrolein		ug/Kg	U	2.0	16
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,2-Dichloroethane		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Acrylonitrile		ug/Kg	U	0.39	16
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	4-Methyl-2-pentanone		ug/Kg	U	3.9	20
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,3,5-Trimethylbenzene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Bromobenzene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Toluene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Chlorobenzene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Tetrahydrofuran (THF)		ug/Kg	U	2.0	7.8
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	trans-1,4-dichloro-2-butene		ug/Kg	U	2.0	7.8
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,2,4-Trichlorobenzene		ug/Kg	U	0.78	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,4-dioxane		ug/Kg	U	31	59
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Dibromochloromethane		ug/Kg	U	0.78	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	sec-Butylbenzene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,3-Dichloropropane		ug/Kg	U	0.78	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	cis-1,2-Dichloroethene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	trans-1,2-Dichloroethene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	0.78	7.8



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DATA SUMMARY TABLE

SOIL
SDG: GBZ19337

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	m&p-Xylene		ug/Kg	U	0.78	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	2-Isopropyltoluene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,3-Dichlorobenzene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Carbon tetrachloride		ug/Kg	U	0.78	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,1-Dichloropropene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	2-Hexanone		ug/Kg	U	3.9	20
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	2,2-Dichloropropane		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	0.78	16
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Acetone		ug/Kg	UJ	3.9	20
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Chloroform		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Benzene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,1,1-Trichloroethane		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Bromomethane		ug/Kg	U	1.6	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Chloromethane		ug/Kg	U	0.78	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Dibromomethane		ug/Kg	U	0.78	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Bromochloromethane		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Chloroethane		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Vinyl chloride		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Methylene chloride		ug/Kg	U	3.9	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Carbon Disulfide		ug/Kg	U	0.78	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Bromoform		ug/Kg	U	0.78	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Bromodichloromethane		ug/Kg	U	0.78	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,1-Dichloroethane		ug/Kg	U	0.78	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,1-Dichloroethene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Tert-butyl alcohol		ug/Kg	U	16	78
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Trichlorofluoromethane		ug/Kg	U	0.78	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Dichlorodifluoromethane		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Trichlorotrifluoroethane		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,2-Dichloropropane		ug/Kg	U	0.78	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Methyl Ethyl Ketone		ug/Kg	U	3.9	23
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,1,2-Trichloroethane		ug/Kg	U	0.78	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Trichloroethene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	0.78	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,2,3-Trichlorobenzene		ug/Kg	U	0.78	3.9



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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Hexachlorobutadiene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Naphthalene		ug/Kg	U	0.78	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	o-Xylene		ug/Kg	U	0.78	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	2-Chlorotoluene		ug/Kg	U	0.78	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,2-Dichlorobenzene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,2,4-Trimethylbenzene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	0.78	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	1,2,3-Trichloropropane		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	tert-Butylbenzene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	Isopropylbenzene		ug/Kg	U	0.39	3.9
SB 6 (2-4)	BZ19339	SW8260	10/10/2017	1	p-Isopropyltoluene		ug/Kg	U	0.39	3.9
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Ethylbenzene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Styrene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	cis-1,3-Dichloropropene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	trans-1,3-Dichloropropene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	n-Propylbenzene		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	n-Butylbenzene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	4-Chlorotoluene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,4-Dichlorobenzene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,2-Dibromoethane		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Acrolein		ug/Kg	U	96	770
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,2-Dichloroethane		ug/Kg	U	19	20
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Acrylonitrile		ug/Kg	U	19	770
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	4-Methyl-2-pentanone		ug/Kg	U	190	960
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,3,5-Trimethylbenzene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Bromobenzene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Toluene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Chlorobenzene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Tetrahydrofuran (THF)		ug/Kg	U	96	390
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	trans-1,4-dichloro-2-butene		ug/Kg	U	96	390
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,2,4-Trichlorobenzene		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,4-dioxane		ug/Kg	U	1500	1500
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Dibromochloromethane		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	sec-Butylbenzene		ug/Kg	U	19	190



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SOIL
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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,3-Dichloropropane		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	cis-1,2-Dichloroethene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	trans-1,2-Dichloroethene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Methyl t-butyl ether (MTBE)		ug/Kg	U	39	390
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	m&p-Xylene		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	2-Isopropyltoluene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,3-Dichlorobenzene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Carbon tetrachloride		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,1-Dichloropropene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	2-Hexanone		ug/Kg	U	190	960
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	2,2-Dichloropropane		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Acetone		ug/Kg	U	190	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Chloroform		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Benzene		ug/Kg	U	19	60
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,1,1-Trichloroethane		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Bromomethane		ug/Kg	U	77	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Chloromethane		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Dibromomethane		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Bromochloromethane		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Chloroethane		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Vinyl chloride		ug/Kg	U	19	20
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Methylene chloride		ug/Kg	U	190	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Carbon Disulfide		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Bromoform		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Bromodichloromethane		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,1-Dichloroethane		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,1-Dichloroethene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Tert-butyl alcohol		ug/Kg	U	770	3900
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Trichlorofluoromethane		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Dichlorodifluoromethane		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Trichlorotrifluoroethane		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,2-Dichloropropane		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Methyl Ethyl Ketone		ug/Kg	U	190	190



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DATA SUMMARY TABLE

SOIL
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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,1,2-Trichloroethane		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Trichloroethene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,1,2,2-Tetrachloroethane		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,2,3-Trichlorobenzene		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Hexachlorobutadiene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Naphthalene		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	o-Xylene		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	2-Chlorotoluene		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,2-Dichlorobenzene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,2,4-Trimethylbenzene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,2-Dibromo-3-chloropropane		ug/Kg	U	39	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	1,2,3-Trichloropropane		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	tert-Butylbenzene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	Isopropylbenzene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	50	p-Isopropyltoluene		ug/Kg	U	19	190
SB 7 (0-2)	BZ19340	SW8260	10/10/2017	200	Tetrachloroethene	9600	ug/Kg		150	770
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Ethylbenzene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Styrene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	cis-1,3-Dichloropropene		ug/Kg	UU	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	trans-1,3-Dichloropropene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	n-Propylbenzene		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	n-Butylbenzene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	4-Chlorotoluene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,4-Dichlorobenzene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,2-Dibromoethane		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Acrolein		ug/Kg	U	120	950
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,2-Dichloroethane		ug/Kg	U	24	24
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Acrylonitrile		ug/Kg	U	24	950
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	4-Methyl-2-pentanone		ug/Kg	U	240	1200
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,3,5-Trimethylbenzene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Bromobenzene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Toluene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Chlorobenzene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Tetrahydrofuran (THF)		ug/Kg	U	120	470



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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	trans-1,4-dichloro-2-butene		ug/Kg	U	120	470
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,2,4-Trichlorobenzene		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,4-dioxane		ug/Kg	U	1900	1900
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Dibromochloromethane		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Tetrachloroethene	3700	ug/Kg		47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	sec-Butylbenzene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,3-Dichloropropane		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	cis-1,2-Dichloroethene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	trans-1,2-Dichloroethene		ug/Kg	U	24	190
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Methyl t-butyl ether (MTBE)		ug/Kg	U	47	470
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	m&p-Xylene		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	2-Isopropyltoluene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,3-Dichlorobenzene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Carbon tetrachloride		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,1-Dichloropropene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	2-Hexanone		ug/Kg	U	240	1200
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	2,2-Dichloropropane		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Acetone		ug/Kg	UJ	240	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Chloroform		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Benzene		ug/Kg	U	24	60
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,1,1-Trichloroethane		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Bromomethane		ug/Kg	U	95	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Chloromethane		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Dibromomethane		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Bromochloromethane		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Chloroethane		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Vinyl chloride		ug/Kg	U	24	24
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Methylene chloride		ug/Kg	U	240	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Carbon Disulfide		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Bromoform		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Bromodichloromethane		ug/Kg	UJ	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,1-Dichloroethane		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,1-Dichloroethene		ug/Kg	U	24	240



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BRONX, NY
DATA SUMMARY TABLE

SOIL
SDG: GBZ19337

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Tert-butyl alcohol		ug/Kg	U	950	4700
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Trichlorofluoromethane		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Dichlorodifluoromethane		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Trichlorotrifluoroethane		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,2-Dichloropropane		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Methyl Ethyl Ketone		ug/Kg	U	240	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,1,2-Trichloroethane		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Trichloroethene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,1,2,2-Tetrachloroethane		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,2,3-Trichlorobenzene		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Hexachlorobutadiene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Naphthalene		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	o-Xylene		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	2-Chlorotoluene		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,2-Dichlorobenzene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,2,4-Trimethylbenzene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,2-Dibromo-3-chloropropane		ug/Kg	U	47	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	1,2,3-Trichloropropane		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	tert-Butylbenzene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	Isopropylbenzene		ug/Kg	U	24	240
SB 7 (2-4)	BZ19341	SW8260	10/10/2017	50	p-Isopropyltoluene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Ethylbenzene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Styrene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	cis-1,3-Dichloropropene		ug/Kg	UJ	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	trans-1,3-Dichloropropene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	n-Propylbenzene		ug/Kg	U	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	n-Butylbenzene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	4-Chlorotoluene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,4-Dichlorobenzene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,2-Dibromoethane		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Acrolein		ug/Kg	U	120	940
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,2-Dichloroethane		ug/Kg	U	24	24
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Acrylonitrile		ug/Kg	U	24	940
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	4-Methyl-2-pentanone		ug/Kg	U	240	1200



**1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE**

**SOIL
SDG: GBZ19337**

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,3,5-Trimethylbenzene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Bromobenzene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Toluene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Chlorobenzene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Tetrahydrofuran (THF)		ug/Kg	U	120	470
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	trans-1,4-dichloro-2-butene		ug/Kg	U	120	470
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,2,4-Trichlorobenzene		ug/Kg	U	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,4-dioxane		ug/Kg	U	1900	1900
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Dibromochloromethane		ug/Kg	U	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	sec-Butylbenzene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,3-Dichloropropane		ug/Kg	U	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	cis-1,2-Dichloroethene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	trans-1,2-Dichloroethene		ug/Kg	U	24	190
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Methyl t-butyl ether (MTBE)		ug/Kg	U	47	470
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	m&p-Xylene		ug/Kg	U	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	2-Isopropyltoluene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,3-Dichlorobenzene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Carbon tetrachloride		ug/Kg	U	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,1-Dichloropropene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	2-Hexanone		ug/Kg	U	24	1200
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	2,2-Dichloropropane		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Acetone		ug/Kg	UJ	240	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Chloroform		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Benzene		ug/Kg	U	24	60
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,1,1-Trichloroethane		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Bromomethane		ug/Kg	U	94	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Chloromethane		ug/Kg	U	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Dibromomethane		ug/Kg	U	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Bromochloromethane		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Chloroethane		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Vinyl chloride		ug/Kg	U	24	24
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Methylene chloride		ug/Kg	U	240	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Carbon Disulfide		ug/Kg	U	47	240



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BRONX, NY
DATA SUMMARY TABLE

SOIL
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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Bromofom		ug/Kg	U	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Bromodichloromethane		ug/Kg	UU	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,1-Dichloroethane		ug/Kg	U	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,1-Dichloroethene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Tert-butyl alcohol		ug/Kg	U	940	4700
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Trichlorofluoromethane		ug/Kg	U	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Dichlorodifluoromethane		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Trichlorotrifluoroethane		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,2-Dichloropropane		ug/Kg	U	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Methyl Ethyl Ketone		ug/Kg	U	240	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,1,2-Trichloroethane		ug/Kg	U	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Trichloroethene	40	ug/Kg	J	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,1,2,2-Tetrachloroethane		ug/Kg	U	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,2,3-Trichlorobenzene		ug/Kg	U	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Hexachlorobutadiene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Naphthalene		ug/Kg	U	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	o-Xylene		ug/Kg	U	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	2-Chlorotoluene		ug/Kg	U	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,2-Dichlorobenzene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,2,4-Trimethylbenzene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,2-Dibromo-3-chloropropane		ug/Kg	U	47	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	1,2,3-Trichloropropane		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	tert-Butylbenzene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	Isopropylbenzene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	50	p-Isopropyltoluene		ug/Kg	U	24	240
SB 8 (0-2)	BZ19342	SW8260	10/10/2017	500	Tetrachloroethene	29000	ug/Kg		470	2400
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Ethylbenzene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Styrene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	cis-1,3-Dichloropropene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	trans-1,3-Dichloropropene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	n-Propylbenzene		ug/Kg	U	62	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	n-Butylbenzene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	4-Chlorotoluene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,4-Dichlorobenzene		ug/Kg	U	31	310

**1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE**

**SOIL
SDG: GBZ19337**

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,2-Dibromoethane		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Acrolein		ug/Kg	U	160	1200
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,2-Dichloroethane		ug/Kg	U	31	31
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Acrylonitrile		ug/Kg	U	31	1200
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	4-Methyl-2-pentanone		ug/Kg	U	310	1600
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,3,5-Trimethylbenzene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Bromobenzene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Toluene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Chlorobenzene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Tetrahydrofuran (THF)		ug/Kg	U	160	620
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	trans-1,4-dichloro-2-butene		ug/Kg	U	160	620
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,2,4-Trichlorobenzene		ug/Kg	U	62	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,4-dioxane		ug/Kg	U	2500	2500
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Dibromochloromethane		ug/Kg	U	62	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	sec-Butylbenzene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,3-Dichloropropane		ug/Kg	U	62	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	cis-1,2-Dichloroethene		ug/Kg	U	31	250
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	trans-1,2-Dichloroethene		ug/Kg	U	31	190
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Methyl t-butyl ether (MTBE)		ug/Kg	U	62	620
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	m&p-Xylene		ug/Kg	U	62	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	2-Isopropyltoluene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,3-Dichlorobenzene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Carbon tetrachloride		ug/Kg	U	62	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,1-Dichloropropene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	2-Hexanone		ug/Kg	U	310	1600
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	2,2-Dichloropropane		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	62	1200
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Acetone		ug/Kg	UJ	310	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Chloroform		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Benzene		ug/Kg	U	31	60
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,1,1-Trichloroethane		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Bromomethane		ug/Kg	U	120	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Chloromethane		ug/Kg	U	62	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Dibromomethane		ug/Kg	U	62	310



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DATA SUMMARY TABLE

SOIL
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Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Bromochloromethane		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Chloroethane		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Vinyl chloride		ug/Kg	U	31	31
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Methylene chloride		ug/Kg	U	310	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Carbon Disulfide		ug/Kg	U	62	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Bromoform		ug/Kg	U	62	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Bromodichloromethane		ug/Kg	U	62	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,1-Dichloroethane		ug/Kg	U	62	270
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,1-Dichloroethene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Tert-butyl alcohol		ug/Kg	U	1200	6200
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Trichlorofluoromethane		ug/Kg	U	62	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Dichlorodifluoromethane		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Trichlorotrifluoroethane		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,2-Dichloropropane		ug/Kg	U	62	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Methyl Ethyl Ketone		ug/Kg	U	310	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,1,2-Trichloroethane		ug/Kg	U	62	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Trichloroethene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,1,2,2-Tetrachloroethane		ug/Kg	U	62	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,2,3-Trichlorobenzene		ug/Kg	U	62	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Hexachlorobutadiene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Naphthalene		ug/Kg	U	62	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	o-Xylene		ug/Kg	U	62	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	2-Chlorotoluene		ug/Kg	U	62	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,2-Dichlorobenzene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,2,4-Trimethylbenzene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,2-Dibromo-3-chloropropane		ug/Kg	U	62	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	1,2,3-Trichloropropane		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	tert-Butylbenzene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Isopropylbenzene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	p-Isopropyltoluene		ug/Kg	U	31	310
SB 8 (2-4)	BZ19343	SW8260	10/10/2017	50	Tetrachloroethene	3900	ug/Kg		62	310
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Ethylbenzene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Styrene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	cis-1,3-Dichloropropene		ug/Kg	UJ	24	240

**1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE**

**SOIL
SDG: GBZ19337**

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	trans-1,3-Dichloropropene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	n-Propylbenzene		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	n-Butylbenzene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	4-Chlorotoluene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,4-Dichlorobenzene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,2-Dibromoethane		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Acrolein		ug/Kg	U	120	970
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,2-Dichloroethane		ug/Kg	U	24	24
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Acrylonitrile		ug/Kg	U	24	970
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	4-Methyl-2-pentanone		ug/Kg	U	240	1200
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,3,5-Trimethylbenzene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Bromobenzene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Toluene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Chlorobenzene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Tetrahydrofuran (THF)		ug/Kg	U	120	480
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	trans-1,4-dichloro-2-butene		ug/Kg	U	120	480
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,2,4-Trichlorobenzene		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,4-dioxane		ug/Kg	U	1900	1900
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Dibromochloromethane		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	sec-Butylbenzene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,3-Dichloropropane		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	cis-1,2-Dichloroethene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	trans-1,2-Dichloroethene		ug/Kg	U	24	190
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Methyl t-butyl ether (MTBE)		ug/Kg	U	48	480
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	m&p-Xylene		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	2-Isopropyltoluene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,3-Dichlorobenzene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Carbon tetrachloride		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,1-Dichloropropene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	2-Hexanone		ug/Kg	U	240	1200
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	2,2-Dichloropropane		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Acetone		ug/Kg	UJ	240	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Chloroform		ug/Kg	U	24	240



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

SOIL
SDG: GBZ19337

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Benzene		ug/Kg	U	24	60
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,1,1-Trichloroethane		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Bromomethane		ug/Kg	U	97	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Chloromethane		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Dibromomethane		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Bromochloromethane		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Chloroethane		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Vinyl chloride		ug/Kg	U	24	24
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Methylene chloride		ug/Kg	U	240	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Carbon Disulfide		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Bromoform		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Bromodichloromethane		ug/Kg	UJ	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,1-Dichloroethane		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,1-Dichloroethene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Tert-butyl alcohol		ug/Kg	U	970	4800
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Trichlorofluoromethane		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Dichlorodifluoromethane		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Trichlorotrifluoroethane		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,2-Dichloropropane		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Methyl Ethyl Ketone		ug/Kg	U	240	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,1,2-Trichloroethane		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Trichloroethene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,1,2,2-Tetrachloroethane		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,2,3-Trichlorobenzene		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Hexachlorobutadiene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Naphthalene		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	o-Xylene		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	2-Chlorotoluene		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,2-Dichlorobenzene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,2,4-Trimethylbenzene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,2-Dibromo-3-chloropropane		ug/Kg	U	48	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	1,2,3-Trichloropropane		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	tert-Butylbenzene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	Isopropylbenzene		ug/Kg	U	24	240



1120 WESTCHESTER AVENUE
BRONX, NY
DATA SUMMARY TABLE

SOIL
SDG: GBZ19337

Sample Name	Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	50	p-Isopropyltoluene		ug/Kg	U	24	240
SB 9 (0-2)	BZ19344	SW8260	10/10/2017	250	Tetrachloroethene	22000	ug/Kg		240	1200

APPENDIX I
***SVE Operation and
Maintenance Plan***

1120 WESTCHESTER AVENUE
NYSDEC SITE No. 203083

**1120 WESTCHESTER
AVENUE BRONX, NEW
YORK 10459
Block 2750 Lot 11**

Soil Vapor Extraction Operation and Maintenance Plan

Prepared for:
**West Levy,
LLC 2140 East
7th Street
Brooklyn, New York 11230**

Prepared By:



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

SYSTEM OPERATION AND MAINTENANCE

SVE Start-Up Procedures

Following installation of the system, the following items will be inspected and tested to ensure proper operation:

- 1) Check all exposed/visible SVE piping for evidence of damage, cracks, or leaks.
- 2) Turn system on and off to ensure the start box is functioning properly;
- 3) Record vacuum reading at blower;
- 4) Record vacuum readings at surrounding vapor monitoring points;
- 5) Take PID readings before, in-between and after carbon vessels.

The results of the initial start-up test, or any subsequent pressure test will be provided to the DEC and DOH for review and approval, and to determine whether a second extraction pit would be needed at the back of the building.

The system testing described above will be conducted if, in the course of the SVE system lifetime, the system goes down or significant changes are made to the system and the system must be restarted.

A visual inspection of the complete system will be conducted during each monitoring event. SVE system components to be monitored include, but are not limited to, the following:

- Vacuum blower; and,
- General system piping.
- Vacuum gauges at blower.
- Control switches.
- PID Readings from influent line, between carbon drums and at the discharge stack.

Observations and PID readings will be recorded on the inspection form (**Attachment 1**). The SVE system is not adjustable and the regenerative blower shall not be serviced or repaired at the Site.

Monitoring and Sampling

Confirmation Testing

Confirmation indoor air testing will be completed after the SVE system has been in continuous operation for a minimum of 30 days. Testing will be performed during the heating season (November 1 - March 1) and will include one indoor air sample from the cellar, one indoor air sample from the first floor and one indoor air sample from the second floor. Samples will be collected in 6-liter summa canisters over an 8 hr period and submitted to a NYSDOH Certified laboratory for the analysis of VOCs by TO15.

Performance Monitoring

The system will be monitored initially on an alternate week basis for the first month of operation, going to monthly for next three months of operation and then quarterly after that. Air samples will be collected at start up and then on a quarterly basis to evaluate the performance of the system. PID readings will be taken during each monitoring event from three locations: system influent (before carbon), between the carbon canisters and from the system discharge (after carbon). Air samples will be collected from the system effluent only and submitted to a NYSDOH certified environmental laboratory for analysis of VOCs by USEPA method TO15.

Initial effluent concentrations will be high as accumulated vapors are removed resulting in accelerated carbon depletion rates. However carbon usage will rapidly diminish over time (1-2 weeks) as the accumulated vapors are removed and effluent concentration is dictated by the transfer of VOCs from the sorbed phase to the vapor phase from residually impacted soils. Carbon drums will be set up in series with the between vessel PID readings utilized to determine when break through occurs at the first drum. When this occurs the drum will be changed out and shipped back to the supplier for regeneration. If nuisance odors are observed from the discharge at any time, operation of the system will be temporarily halted until the situation is remedied by changing out the carbon or through other necessary repairs / actions (loose valve / fitting, broken pipe, etc.).

QA/QC

The fundamental QA objective with respect to accuracy, precision, and sensitivity of analysis for laboratory analytical data is to achieve the QC acceptance of the analytical protocol. The accuracy, precision and completeness requirements will be addressed by the laboratory for all data generated.

All sampling and analyses will be performed in accordance with the requirements of the Quality Assurance Project Plan (QAPP) prepared for the site. Main Components of the QAPP include:

- QA/QC Objectives for Data Measurement;
- Sampling Program;
- Sample Tracking and Custody;
- Calibration Procedures:
 - All field analytical equipment will be calibrated immediately prior to each day's use. Calibration procedures will conform to manufacturer's standard instructions.
 - The laboratory will follow all calibration procedures and schedules as specified in USEPA SW-846 and subsequent updates that apply to the instruments used for the analytical methods.
- Analytical Procedures;
- Preparation of a Data Usability Summary Report (DUSR), which will present the results of data validation, including a summary assessment of laboratory data packages, sample preservation and chain of custody procedures, and a summary assessment of precision, accuracy, representativeness, comparability, and completeness for each analytical method.
- Internal QC and Checks;

- QA Performance and System Audits;
- Preventative Maintenance Procedures and Schedules;
- Corrective Action Measures.

Collected samples will be appropriately packaged, placed in coolers and shipped via overnight courier or delivered directly to the analytical laboratory by field personnel.

Reporting

Sample analysis will be provided by a New York State ELAP certified environmental laboratory. Laboratory reports will include Analytical Systems Protocol July 2005 (ASP) category B data deliverables for use in the preparation of a data usability summary report (DUSR). All results will be provided in accordance with the NYSDEC Environmental Information Management System (EIMS) electronic data deliverable (EDD) format. All monitoring results will be reported to NYSDEC on a periodic basis in the Periodic Review Report. A letter report will also be prepared subsequent to each quarterly air sampling event. The report (or letter) will include, at a minimum:

- Date of event;
- Personnel conducting sampling;
- Description of the activities performed;
- Type of samples collected (e.g., sub-slab vapor, indoor air, outdoor air, etc.);
- Copies of all field forms completed (e.g., well sampling logs, chain-of-custody documentation, etc.);
- Sampling results in comparison to appropriate standards/criteria;
- A figure illustrating sample type and sampling locations;
- Copies of all laboratory data sheets and the required laboratory data deliverables required for all points sampled (to be submitted electronically in the NYSDEC-identified format);
- Calculations of contaminant mass recovered, treated, or destroyed by the system during the period of operation;
- Description of system performance in terms of contaminant data and comparison to the design performance standards;
- Any observations, conclusions, or recommendations; and
- A determination as to whether conditions have changed since the last reporting event.

Reporting of Performance Data in CCR

Chemical labs used for all performance monitoring and sampling analysis will be NYSDOH ELAP laboratory certified in the appropriate categories. The CCR will provide a tabular and map summary of all performance monitoring and post-remedial sample results.

Permits / Authorization

Air discharge under the NYS Class 2 Hazardous Waste Site program will not require a permit from the NYSDEC, however sites undergoing remediation in NYSDEC's DER program are not exempt from air permitting requirements. An industrial process equipment application will be filed with the NYC Department of Environmental Protection, Bureau of Environmental Compliance, if required.

Attachment 1
SVE System Inspection Checklist

SOIL VAPOR EXTRACTION SYSTEM INSPECTION FORM

Date: _____

Time: _____

Weather: _____

Inspector: _____

Extraction Point	Vacuum (iwc)	PID Reading(ppb)
VE-1		
Blower inlet		
Before Carbon		
After Carbon		

Inspection:	Yes / No	Comments
Blower Operating?		
Spare Carbon Drums?		
System Integrity?		

CARBON MONITORING

Carbon filter installation date: _____

<u>Date/Time</u>	<u>Location</u>	<u>PID reading</u>	<u>PID units(ppm or ppb)</u>
	Pre-Carbon		
	Post -Carbon		

Comments/Actions taken:

Attachment 2
Manufacturers Specification Sheets

FEATURES

- Manufactured in the USA - ISO 9001 and NAFTA compliant
- Maximum flow: 120 SCFM
- Maximum pressure: 65 IWG
- Maximum vacuum: 59 IWG
- Standard motor: 1.5 HP, explosion-proof
- Cast aluminum blower housing, impeller, cover & manifold; cast iron flanges (threaded); teflon® lip seal
- UL & CSA approved motor with permanently sealed ball bearings for explosive gas atmospheres Class I Group D minimum
- Sealed blower assembly
- Quiet operation within OSHA standards

MOTOR OPTIONS

- International voltage & frequency (Hz)
- Chemical duty, high efficiency, inverter duty or industry-specific designs
- Various horsepower for application-specific needs

BLOWER OPTIONS

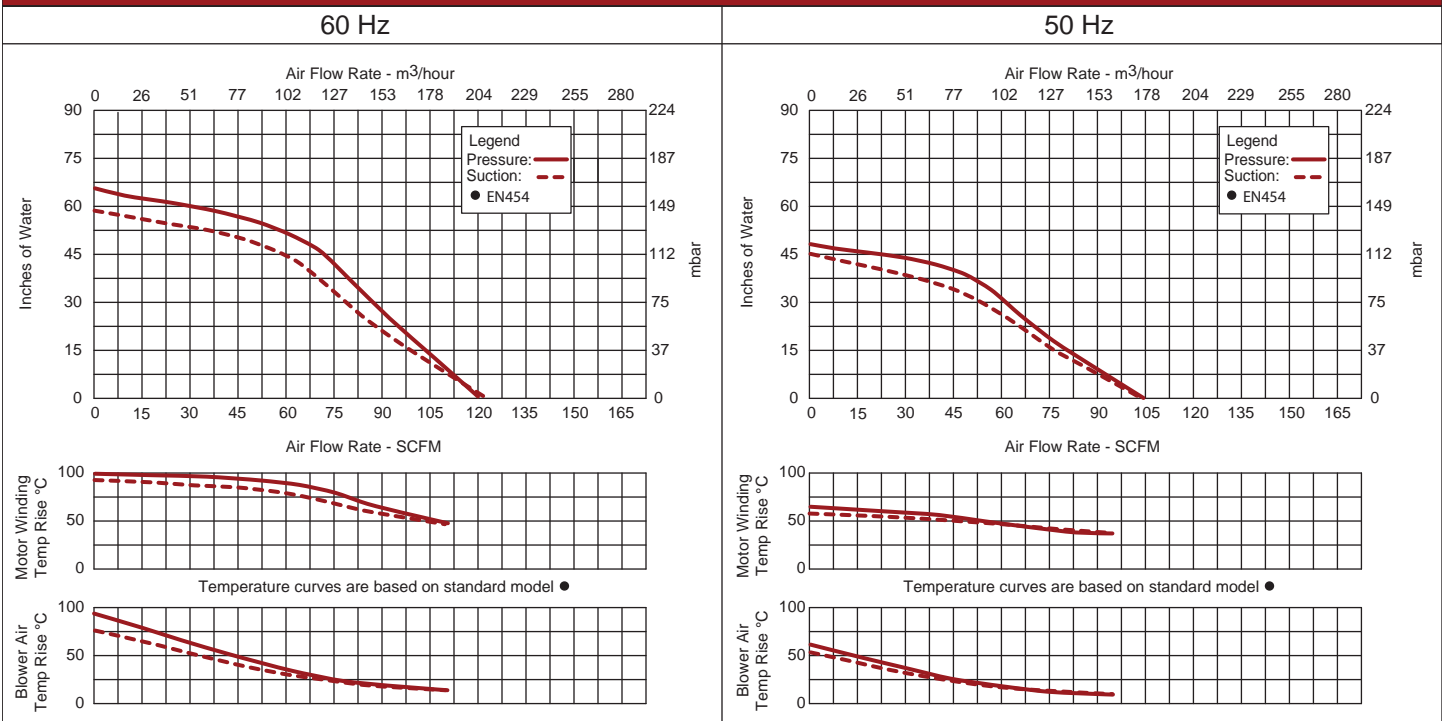
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

ACCESSORIES

- Flowmeters reading in SCFM
- Filters & moisture separators
- Pressure gauges, vacuum gauges, & relief valves
- Switches - air flow, pressure, vacuum, or temperature
- External mufflers for additional silencing
- Air knives (used on blow-off applications)
- Variable frequency drive package

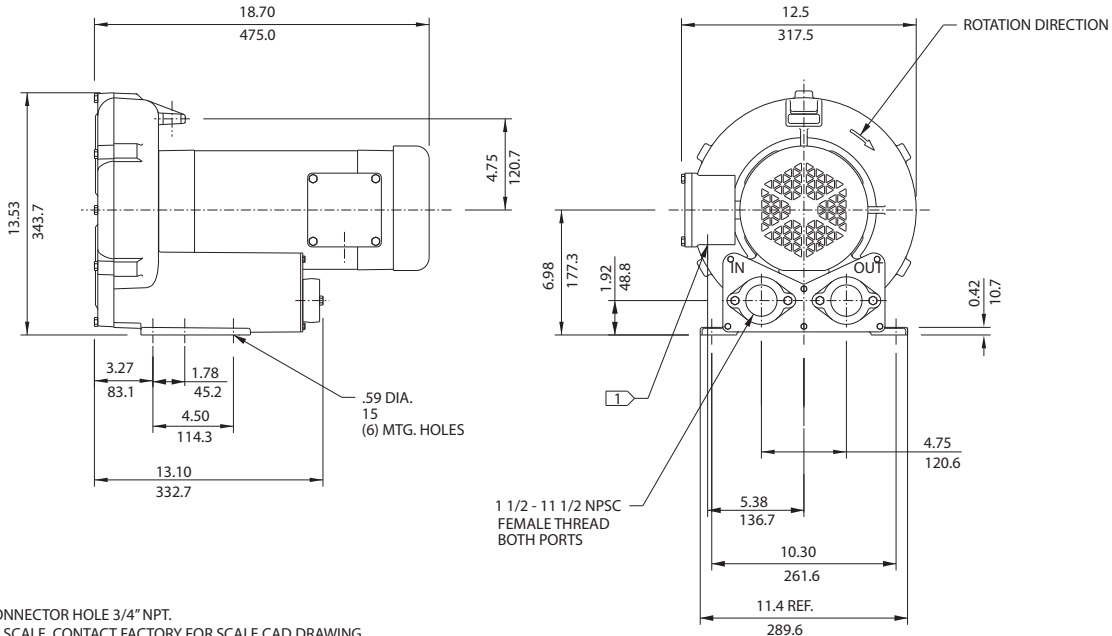


Blower Performance at Standard Conditions



This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The performance data on this page depicts typical performance under controlled laboratory conditions. AMETEK is not responsible for blowers driven beyond factory specified speed, temperature, pressure, flow or without proper alignment. Actual performance will vary depending on the operating environment and application. AMETEK products are not designed for and should not be used in medical life support applications. AMETEK reserves the right to revise its products without notification. The above characteristics represent standard products. For product designed to meet specific applications, contact AMETEK Technical & Industrial Products Sales department.

1.5 HP Sealed Regenerative w/Explosion-Proof Motor



IN
MM

NOTES

- 1) TERMINAL BOX CONNECTOR HOLE 3/4" NPT.
- 2) DRAWING NOT TO SCALE, CONTACT FACTORY FOR SCALE CAD DRAWING.
- 3) CONTACT FACTORY FOR BLOWER MODEL LENGTHS NOT SHOWN.

Specification	Units	Part/ Model Number			
		EN454W58ML 080487	EN454W72ML 080488	CP454W72MLR 080490	CP454FR72MLR 080494
Motor Enclosure - Shaft Mtl.	-	Explosion-proof-CS	Explosion-proof-CS	Chem XP-CS	Chem XP-SS
Horsepower	-	1.5	1.5	1.5	1.5
Phase - Frequency	-	Single-60 Hz	Three-60 Hz	Three-60 Hz	Three-60 Hz
Voltage	AC	115/208-230	230/460	230/460	230/460
Motor Nameplate Amps	Amps (A)	15/7.9-7.5	4.6/2.3	4.5/2.3	4.6/2.3
Max. Blower Amps	Amps (A)	19/10.9-9.5	5.6/2.8	5.6/2.8	5.6/2.8
Inrush Amps	Amps (A)	96-48	32/16	32/16	32/16
Service Factor	-	1.0	1.0	1.0	1.0
Starter Size	-	1/0	00/00	00/00	00/00
Thermal Protection	-	Class B - Pilot Duty	Class B - Pilot Duty	Class B - Pilot Duty	Class B - Pilot Duty
XP Motor Class - Group	-	I-D, II-F&G	I-D, II-F&G	I-D, II-F&G	I-D, II-F&G
Shipping Weight	Lbs	90	84	84	84
	Kg	40.8	38.1	38.1	38.1

Voltage - ROTRON motors are designed to handle a broad range of world voltages and power supply variations. Our dual voltage 3 phase motors are factory tested and certified to operate on both: **208-230/415-460 VAC-3 ph-60 Hz** and **190-208/380-415 VAC-3 ph-50 Hz**. Our dual voltage 1 phase motors are factory tested and certified to operate on both: **104-115/208-230 VAC-1 ph-60 Hz** and **100-110/200-220 VAC-1 ph-50 Hz**. All voltages above can handle a ±10% voltage fluctuation. Special wound motors can be ordered for voltages outside our certified range.

Operating Temperatures - Maximum operating temperature: Motor winding temperature (winding rise plus ambient) should not exceed 140°C for Class F rated motors or 120°C for Class B rated motors. Blower outlet air temperature should not exceed 140°C (air temperature rise plus inlet temperature). Performance curve maximum pressure and suction points are based on a 40°C inlet and ambient temperature. Consult factory for inlet or ambient temperatures above 40°C.

Maximum Blower Amps - Corresponds to the performance point at which the motor or blower temperature rise with a 40°C inlet and/or ambient temperature reaches the maximum operating temperature.

XP Motor Class - Group - See Explosive Atmosphere Classification Chart in Section I

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Motor Options

ROTRON strives to provide the most complete variety of desired options on our products including on our motors. By using motor vendors of high quality and versatility, we can provide motor features from multiple released designs to meet your needs (i.e., a Chem Processing Inverter Duty Explosion-proof motor with space heaters and drains wound for 380 V-50 Hz service).

Design Consistency

ROTRON motors are engineered for us to integrally mount with our blower and maximize blower performance. Our vendors are qualified by ROTRON (per motor part number) to ensure the blowers' mechanical and electrical needs merge with your required features. The basic motor requirements on our DR/EN/CP/HiE products include:

- NEMA approved
- CE conformity (non-XP models)
- UL & CSA approved with symbol and file on nameplate
- C-face mount
- Permanently sealed bearings
- Shaft end play, run out and perpendicularity requirements above NEMA standards
- Dual voltage and dual frequency (some models not feasible) to maximize use worldwide
- Single Shafted Totally Enclosed Fan Cooled (TEFC) and Explosion-proof (XP) models
- Double Shafted Open Drip Proof (ODP) models with dual internal fans for circulation
- Class I Group D minimum on explosion-proof motors; many are Class I Group D, Class II F & G
- Commercial Spa (SPA-ODP) motors with automatic thermal overload protection and industry specified terminal strip

Standard Motor Variations

Chemical Processing (CP) features are added to TEFC, XP or HiE designs for corrosive gas service, Marine Duty service and sanitary (food/pharmaceutical) service.

- 303 stainless steel shaft
- Cast iron and steel frame epoxy painted or zinc plated
- Zinc plated hardware
- Stainless steel nameplate
- Non-hygroscopic insulation; double dipped and baked stator
- Epoxy coating on rotor
- Gaskets and joint sealers on all metal-to-metal surfaces
- Oversized conduit box

High Efficiency (HiE) features are added to TEFC, ODP, XP or CP motors for maximum motor efficiency and life. ROTRON HiE motors carry extra phase-to-phase protection for use with inverters between a 1750-3500 RPM range.

Inverter Duty features are added to TEFC, ODP, XP or CP for use with Inverters/Variable Speed Drive Controllers. A wide range of RPM can be handled and should be specified at time of quote. For best compatibility, an inverter should be matched to the motor manufacturers design.

Project Specific Motor Variations

There are no limits to the options you can select or request for your product. Routine motor options include:

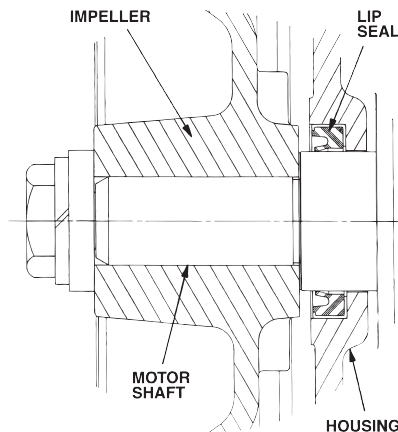
- International voltage & frequency (Hz)
- Different shaft material
- Oversized and/or Nema 4 intent T-box
- Space heaters
- Drains
- Regreasable bearings
- Tropicalized windings

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Typical Sealing Options

Lo-Leak™ LIP SEAL Option

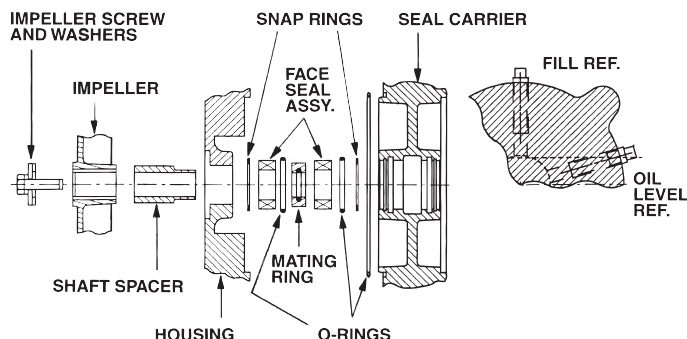
The Lo-Leak™ Lip Seal option is available to control gas leakage for all DR models and is standard on all EN and CP models. Features include: Lip seals to prevent leakage at the motor shaft. RTV sealing compound is used to cut off all leakage paths at the blower's metal-to-metal surfaces. Castings are vacuum impregnated to prevent leakage through castings. Estimate leakage rate = 25 cc/min or less



Double Face Carbon Seal Option

For further minimization of gas leakage on all DR, EN and CP models, a pair of face seals work against each other on opposite sides of a common mating ring to effectively reduce gas leakage at the motor shaft. The face shields are continually lubricated from a reservoir to prolong seal life. The seal is completed by installing the blower to motor bolts with O-rings and sealing the covers to the housing with an RTV sealing compound. O-rings are also placed between the pipe flanges and the manifold.

All castings are vacuum impregnated.
Estimate leakage rate = 0.5 cc/min or less



Hermetically Sealed Spiral Containment Option

The containment option utilizes a series of O-rings to control gas leakage in Spiral blower models. The O-rings are placed at critical locations on the blower's housing and covers to contain gas leakage.

Hermetically Sealed Mag Drive Option

On DR, EN and CP 101 units, a magnet drive option has been an alternative for complete gas containment. O-rings are used throughout the product, and magnets attached to the motor shaft spin magnets inside the blower without shaft penetration. Estimated leakage rate = 0.001 cc/mi

Nitrogen Purge / Blanket Option

The nitrogen purge option is a carrier designed to accept a nitrogen line which will purge the space outside the shaft hole. Purges can be designed to bleed the nitrogen into the process called a blanket, or the carrier can have a second tap to carry away the leaking contaminants.

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Chem-Tough™ Chemical Resistance

To stand up in corrosive and hazardous environments, chemical processing blowers have to be tough. That's why Ametek ROTRON routinely applies Chem-Tough™, ROTRON'S own engineered and proprietary process, whenever it builds blowers for handling chemical (vapor) streams. Chem-Tough™ combines the advantages of aluminum oxide ceramic and selected fluorocarbons to give ROTRON blowers unheard-of levels of chemical resistance, hardness, abrasion resistance, permanent lubricity and more.

Chem-Tough™ Brings You the Rotron Advantage

Through this unique proprietary process, Chem-Tough™ gives ROTRON blowers these advantages:

- **Outstanding Chemical Resistance**

Time after time, Chem-Tough™ finishing shows extremely high resistance to most common chemicals, as well as dramatically improved corrosion resistance over regular hard anodizing. Chem-Tough™ allows aluminum to achieve equivalent corrosion resistance as teflon®. 90-day immersion in acid or alkaline solution (pH 4.0-8.5) has no effect; neither does prolonged exposure to salt water. Far exceeds military specification requirements for salt spray.

- **Abrasion Resistance Equivalent to Steel**

Excellent for smooth surfaces, Chem-Tough™ surface conversion provides higher wear resistance than either case-hardened steel or hard-chrome plate. Rub any other metal against the Chem-Tough™ finish, and the metal will show nothing but the slightest wear. Chem-Tough™ provides a perfect bond to the parent metal.

- **Increased Hardness**

With an equivalent hardness of Rc 40-60, Chem-Tough™ is approximately file-hard – the hardness of nitrated steel. Because the Chem-Tough™ surface becomes an integral part of the metal, it simply cannot peel or chip – neither can it be scratched, flaked or nicked under ordinary conditions.

- **Permanent Dry Lubricity**

By infusing polymers into aluminum, Chem-Tough™ gives the resulting surface a high degree of permanent lubricity and resistance to moisture. The polymers also level off surface asperities, significantly reducing surface tension. The result: blowers converted with Chem-Tough™ have a longer life, operate more efficiently and call for less maintenance.

- **Other Proprietary Processes**

Food-Tough™ uses the same unique process as Chem-Tough™, and is designed for the food processing, medical and pharmaceutical markets. Food-Tough™ has USDA approval and meets FDA guidelines.

Chem-Tough™ at Work

Chem-Tough™ employs the advantages of anodizing, hardcoat plating, low-friction polymers and dry lubricants to become an integral part of the blower's molecular structure.

Specifically, Chem-Tough™ first converts the aluminum surface to aluminum oxide, forming a new ceramic-like surface. The water in the ceramic is replaced with Teflon®, adding a multi-functional dimension to the surface; in the process, the aluminum crystals expand and form anchor crystals that remain hygroscopic for a short time. Then, under controlled conditions, particles of the specified polymer are infused to interlock with these anchor crystals. The new surface extends .5 mil above and below the original aluminum surface – and forms a permanent molecular bond with the metal.

The result: a plastic/ceramic surface that's harder than steel, is continuously lubricating, and resists damage from chemicals like no other. The kind of protection you need for your chemical processing blowers.

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Chemical Resistance Chart

Chemical	Chemical Effect Ratings									
	Aluminum	Cast Iron	Carbon Steel	Chem-Tough (Teflon®)	302 Stainless Steel	304 Stainless Steel	316 Stainless Steel	440 Stainless Steel	Hastelloy C	
Acetaldehyde	B	*	C	A	A	A	A	*	A	
Acetate Solv.	B	B	A	A	A	B	A	B	*	
Acetic Acid	B	D	C	A	*	B	A	B	A	
Acetic Anhydride	B	B	D	A	B	A	A	B	A	
Acetone	A	A	A	A	A	A	A	B	A	
Acetylene	A	A	A	*	A	A	A	A	*	
Acrylonitrile	B	C	*	*	A	A	C	*	B	
Alcohols										
Amyl	C	C	C	A	A	A	A	*	A	
BENZYL	B	*	*	*	*	A	A	*	A	
Butyl	B	C	C	A	A	A	A	*	A	
Diacetone	A	*	A	*	*	A	A	*	A	
Ethyl	B	A	A	*	*	A	A	A	A	
Hexyl	A	*	A	*	*	A	A	*	A	
Isobutyl	B	*	A	*	*	A	A	*	A	
Isopropyl	B	C	A	*	*	A	A	*	A	
Methyl	B	A	A	A	*	A	A	A	A	
Octyl	A	*	A	*	*	A	A	*	A	
Propyl	A	*	A	A	*	A	A	*	A	
Aluminum Chloride 20%	B	D	A	*	*	D	C	D	A	
Aluminum Chloride	D	D	B	A	C	D	C	*	A	
Aluminum Hydroxide	A	D	A	A	*	A	A	A	*	
Alum Potassium Sulfate (Alum), 10%	A	D	A	A	*	A	*	*	B	
Alum Potassium Sulfate (Alum), 100%	B	*	A	A	*	D	A	B	B	
Aluminum Sulfate	A	D	A	A	*	C	C	A	A	
Amines	A	A	B	A	A	A	A	A	*	
Ammonia 10%	*	*	*	A	*	*	A	*	A	
Ammonia, Anhydrous	B	D	B	A	A	B	A	A	A	
Ammonia, Liquids	D	A	A	A	*	A	A	A	B	
Ammonia, Nitrate	C	*	A	*	*	A	A	A	*	
Ammonium Bifluoride	D	*	*	*	*	C	A	*	B	
Ammonium Carbonate	C	C	B	A	B	A	A	A	B	
Ammonium Chloride	C	D	D	A	C	A	C	A	A	
Ammonium Hydroxide	C	A	C	A	A	A	A	A	A	
Ammonium Nitrate	B	A	D	A	A	A	A	A	A	
Ammonium Persulfate	C	D	A	A	*	A	A	A	A	
Ammonium Phosphate, Dibasic	B	*	D	A	B	A	A	A	A	
Ammonium Phosphate, Monobasic	B	*	A	A	*	A	A	A	A	
Ammonium Phosphate, Tribasic	B	C	D	A	B	A	A	A	A	
Ammonium Sulfate	B	C	C	A	C	A	B	A	A	
Amyl-Acetate	B	*	C	A	B	A	A	C	A	
Amyl Alcohol	B	*	A	A	*	A	A	*	A	
Amyl Chloride	D	*	A	A	*	C	B	*	A	
Aniline	C	*	C	A	B	A	A	A	B	
Anti-Freeze	A	B	C	A	*	A	A	*	A	
Antimony Trichloride	D	*	*	A	*	D	D	*	A	
Aromatic Hydrocarbons	A	A	A	*	*	*	A	*	*	
Arsenic Acid	D	D	D	A	B	A	A	*	*	
Barium Carbonate	B	B	B	A	B	A	A	A	A	
Barium Chloride	D	D	C	A	C	A	A	A	A	
Barium Hydroxide	D	C	C	A	B	C	A	A	B	
Barium Sulfate	D	C	C	A	B	A	A	A	A	
Barium Sulfide	D	C	C	A	B	A	A	*	*	
Benzaldehyde	B	B	A	A	A	A	A	*	A	
Benzene	B	B	C	A	B	A	A	A	B	
Benzoic Acid	B	D	*	A	B	A	A	A	A	
Benzol	B	*	*	A	*	A	A	*	A	
Borax (Sodium Borate)	C	A	C	A	*	A	A	A	A	
Boric Acid	B	D	*	A	B	A	A	A	A	
Bromine (Wet)	D	D	D	A	D	D	D	D	A	
Butadiene	A	C	C	A	A	A	A	*	*	
Butane	A	C	C	A	A	A	A	*	*	
Butanol	A	*	*	A	*	A	A	*	A	
Butylene	A	A	A	A	A	*	A	*	*	
Butyl Acetate	A	*	A	A	*	*	C	*	A	
Butyric Acid	B	D	*	A	B	B	A	A	A	
Calcium Bisulfate	D	D	*	A	C	D	A	*	*	
Calcium Bisulfide	C	*	*	A	*	*	B	*	A	
Calcium Bisulfite	C	*	*	A	*	D	A	*	A	
Calcium Carbonate	C	D	*	A	B	A	A	A	A	
Calcium Chloride	C	C	*	A	C	A	D	C	A	
Calcium Hydroxide	C	*	*	A	B	A	A	*	A	
Calcium Hypochlorite	C	D	*	A	D	A	C	C	B	
Calcium Sulfate	B	*	*	A	B	A	A	A	B	
Carbon Bisulfide	A	B	*	*	B	A	A	A	*	
Carbon Dioxide (Wet)	C	C	*	A	*	A	A	*	A	
Carbon Disulfide	C	B	C	A	*	B	A	*	*	
Carbon Monoxide	A	*	*	*	*	A	A	*	*	
Carbon Tetrachloride	C	C	D	A	B	C	B	A	A	
Carbonated Water	A	D	*	*	B	A	A	A	*	
Carbonic Acid	A	D	*	A	B	A	B	A	A	
Chloracetic Acid	C	D	*	A	D	D	D	D	A	
Chlorinated Glue	D	D	*	*	*	A	A	*	*	
Chlorine, Anhydrous Liquid	D	C	*	A	*	D	D	D	A	
Chlorine (Dry)	D	A	*	A	B	A	A	*	A	
Chlorine Water	D	D	*	A	D	*	D	*	B	
Chlorobenzene (Mono)	B	B	C	A	A	A	A	*	A	
Chloroform	D	D	C	A	A	A	A	A	A	
Chlorosulfonic Acid	D	*	D	A	D	D	*	D	B	
Chlorox (Bleach)	C	D	C	A	*	A	A	*	A	
Chromic Acid 5%	C	D	*	*	*	A	A	B	A	
Chromic Acid 50%	C	D	*	A	C	B	B	*	A	
Citric Acid	C	D	*	A	*	A	A	A	A	
Citric Oils	C	*	*	*	*	A	A	*	*	
Copper Chloride	D	D	*	A	C	D	D	B	A	
Copper Cyanide	D	D	*	A	*	A	A	A	A	
Copper Fluoborate	D	D	*	A	*	D	D	*	B	
Copper Nitrate	D	*	*	A	B	A	A	B	A	

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Chemical Resistance Chart (Cont'd)

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Copper Sulfate (5% Solution)	D	D	*	A	*	A	A	A	A
Cresols	B	*	*	*	*	A	A	*	*
Cresylic Acid	C	*	*	A	B	A	A	*	B
Cyclohexane	A	*	A	*	*	A	*	*	*
Detergents	A	*	A	*	*	A	A	*	*
Diesel Fuel	A	A	A	*	A	A	A	*	*
Diethylamine	A	*	*	A	A	A	*	*	*
Dyes	B	*	*	*	*	A	A	*	*
Epsom Salts (Magnesium Sulfate)	A	*	*	*	B	A	A	A	B
Ethane	A	*	*	*	A	A	*	*	*
Ether	A	*	B	*	A	A	A	A	B
Ethyl Acetate	B	*	C	A	*	A	A	*	B
Ethyl Chloride	B	C	D	A	*	A	A	A	B
Ethylene Chloride	C	C	C	A	*	A	A	*	B
Ethylene Dichloride	D	*	C	A	*	A	A	*	B
Ethylene Glycol	A	B	C	A	*	A	A	*	A
Ethylene Oxide	A	*	*	A	*	*	A	*	*
Fatty Acids	B	D	*	A	*	A	A	*	A
Ferric Chloride	D	D	*	A	*	D	D	D	B
Ferric Nitrate	D	*	*	A	*	A	A	A	A
Ferric Sulfate	D	D	*	A	*	A	C	A	A
Ferrous Chloride	D	D	*	A	*	D	D	*	B
Ferrous Sulfate	D	D	D	A	B	A	C	*	B
Fluorine	D	D	D	C	D	D	D	*	A
Fluosilicic Acid	D	D	*	A	*	*	B	*	B
Formaldehyde	A	D	A	A	A	A	A	*	B
Formic Acid	D	D	D	A	C	A	B	B	A
Freon 11	B	C	B	A	A	*	A	*	*
Freon 12 (Wet)	B	*	*	A	*	*	D	*	*
Freon 22	B	*	*	*	*	*	A	*	*
Freon 113	B	*	*	*	*	*	A	*	*
Freon T.F.	B	*	*	*	*	*	A	*	*
Fuel Oils	A	C	B	A	A	A	A	*	A
Furan Resin	A	A	A	A	*	A	A	*	*
Furfural	A	*	A	A	A	A	A	*	B
Gallic Acid	A	D	D	A	B	A	A	*	A
Gasoline	A	A	A	A	A	A	A	A	A
Glycerine	A	B	B	A	A	A	A	A	A
Heptane	A	*	B	A	A	*	A	*	A
Hexane	A	*	B	A	A	A	A	*	A
Hydraulic Oils (Petroleum)	A	A	A	A	A	A	A	*	*
Hydraulic Oils (Synthetic)	A	A	*	*	*	A	A	*	*
Hydrobromic Acid	D	D	D	A	D	D	D	D	A
Hydrochloric Acid (Dry Gas)	D	*	D	A	D	C	A	*	A
Hydrochloric Acid (20%)	D	D	*	A	*	D	D	D	B
Hydrochloric Acid (37%)	D	D	*	A	*	D	D	D	B
Hydrochloric Acid 100%	D	D	*	A	*	D	D	*	C
Hydrocyanic Acid	A	*	C	A	A	A	A	C	A
Hydrofluoric Acid (20%)	D	D	*	A	*	D	D	D	B
Hydrofluoric Acid (75%)	D	D	*	A	*	C	D	*	C

Chemical	Aluminum	Cast Iron	Carbon Steel	Chem-Tough (Teflon®)	302 Stainless Steel	304 Stainless Steel	316 Stainless Steel	440 Stainless Steel	Hastelloy C
Hydrofluoric Acid 100%	D	D	D	A	D	D	D	*	B
Hydrofluosilicic Acid (20%)	D	D	*	A	*	D	D	*	B
Hydrofluosilicic Acid	C	*	*	A	*	D	D	*	C
Hydrogen Gas	A	B	B	A	A	A	A	*	*
Hydrogen Peroxide 10%	A	D	*	A	*	C	C	*	A
Hydrogen Peroxide	A	D	D	A	*	A	B	A	A
Hydrogen Sulfide, Aqueous Solution	C	D	*	A	*	A	A	C	A
Hydrogen Sulfide (Dry)	D	B	B	A	A	C	A	*	A
Hydroxyacetic Acid (70%)	D	*	*	*	*	*	*	*	*
Ink	C	D	D	*	A	A	A	*	*
Iodine	D	D	*	A	*	D	D	D	B
Iodoform	A	C	B	A	B	D	A	*	*
Isotane	A	*	*	*	*	*	*	*	*
Isopropyl Acetate	C	*	*	*	*	*	B	*	*
Isopropyl Ether	A	*	A	A	*	A	A	*	*
Jet Fuel (JP3, JP4, JP5)	A	A	A	A	A	A	A	*	*
Kerosene	A	A	B	A	A	A	A	A	A
Ketones	B	A	A	A	A	A	A	*	A
Lacquers	A	C	C	*	A	A	A	*	*
Lactic Acid	C	D	D	A	A	A	B	C	A
Lead Acetate	D	*	D	A	B	A	A	*	A
Lubricants	A	*	*	A	*	A	A	*	A
Magnesium Chloride	D	D	C	A	B	B	B	A	A
Magnesium Hydroxide	D	B	B	A	A	A	A	*	A
Magnesium Sulfate	B	C	B	A	B	B	A	*	B
Maleic Acid	B	*	B	A	C	A	A	A	A
Malic Acid	C	*	D	A	B	A	A	*	A
Mercuric Chloride (Dilute Solution)	D	D	D	A	D	D	D	D	B
Mercuric Cyanide	D	*	D	A	A	A	A	*	*
Mercury	C	A	A	A	A	A	A	A	A
Methane	A	A	A	A	A	A	A	A	A
Methyl Acetate	A	*	B	A	A	*	A	*	A
Methyl Acetone	A	A	A	A	A	*	A	*	*
Methyl Alcohol 10%	C	*	B	A	A	*	A	*	A
Methyl Butyl Ketone	A	*	*	*	*	*	A	*	*
Methyl Cellosolve	A	*	*	*	*	*	*	*	*
Methyl Chloride	D	*	*	A	*	C	A	*	A
Methyl Ethyl Ketone	A	*	*	A	*	A	A	*	A
Methylamine	A	B	B	*	A	*	A	*	*
Methylene Chloride	A	*	B	A	A	A	A	*	A
Naptha	A	B	B	A	A	A	A	A	A
Napthalene	B	B	A	A	B	A	B	*	A
Nickel Chloride	D	D	*	A	*	A	B	*	A
Nickel Sulfate	D	D	D	A	B	A	B	*	B
Nitric Acid (10% Solution)	D	D	D	A	A	A	A	A	A
Nitric Acid (20% Solution)	D	D	*	A	*	A	A	A	A
Nitric Acid (50% Solution)	D	D	*	A	*	A	A	A	A
Nitric Acid (Concentrated Solution)	B	D	*	A	*	D	B	A	B

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	Aluminum	Cast Iron	Carbon Steel	Chem-Tough (Teflon®)	302 Stainless Steel	304 Stainless Steel	316 Stainless Steel	440 Stainless Steel	Hastelloy C	
Nitrobenzene	C	B	B	A	B	A	B	*	B	
Oleum	B	*	B	A	B	*	A	*	*	
Oxalic Acid (cold)	C	D	D	A	C	A	B	A	B	
Pentane	A	B	B	A	A	C	C	*	B	
Perchloroethylene	A	B	B	A	B	A	A	*	*	
Petrolatum	B	C	C	A	A	*	A	*	*	
Phenol 10%	A	B	D	A	B	A	A	*	B	
Phenol (Carbolic Acid)	B	D	D	A	B	A	A	A	A	
Phosphoric Acid (to 40% Solution)	D	D	*	A	*	B	A	A	A	
Phosphoric Acid (40%-100% Solution)	D	D	*	A	*	C	B	B	A	
Phosphoric Acid (Crude)	D	D	D	A	*	D	C	C	A	
Phosphoric Anhydride (Molten)	D	*	*	A	*	A	A	*	*	
Photographic (Developer)	C	D	*	*	*	C	A	C	A	
Phthalic Anhydride	B	C	C	A	B	A	B	*	A	
Picric Acid	C	D	D	A	B	A	A	*	A	
Potash	C	B	*	*	*	A	*	A	A	
Potassium Bicarbonate	C	D	*	A	*	A	*	B	B	
Potassium Bromide	C	D	D	A	A	A	*	B	B	
Potassium Carbonate	C	B	B	A	B	A	*	A	A	
Potassium Chlorate	B	B	B	A	B	A	A	A	B	
Potassium Chloride	B	B	B	A	C	A	A	B	A	
Potassium Chromate	A	A	*	*	*	*	B	B	B	
Potassium Cyanide Solutions	D	B	B	A	B	A	B	A	A	
Potassium Dichromate	A	B	C	A	B	A	A	A	B	
Potassium Ferrocyanide	C	*	C	A	B	A	*	A	B	
Potassium Hydroxide (50%)	D	C	A	A	A	B	B	B	A	
Potassium Nitrate	B	*	B	A	B	A	B	A	B	
Potassium Permanganate	B	B	B	A	B	A	B	B	B	
Potassium Sulfate	A	B	B	A	B	A	B	B	A	
Potassium Sulfide	B	B	B	A	A	A	*	A	B	
Propane (Liquified)	A	*	B	A	A	A	*	A	*	
Propylene Glycol	A	B	B	A	B	A	*	A	*	
Pyridine	B	B	A	A	*	C	*	B	*	
Pyrogalllic Acid	B	B	B	A	B	A	A	A	A	
Silver Bromide	D	*	*	*	*	C	C	B	*	
Silver Nitrate	D	D	D	A	B	A	B	A	A	
Sodium Acetate	B	C	C	A	B	A	A	B	A	
Sodium Aluminate	C	*	C	A	B	A	*	A	B	
Sodium Bicarbonate	A	C	C	A	B	A	A	A	*	
Sodium Bisulfate	D	D	D	A	A	A	*	A	B	
Sodium Bisulfite	A	D	*	A	*	A	*	A	B	
Sodium Borate	C	C	C	A	B	A	*	A	A	
Sodium Carbonate	C	B	B	A	B	A	B	B	A	
Sodium Chlorate	B	*	C	A	B	A	*	A	B	
Sodium Chloride	C	B	C	A	B	A	C	B	A	
Sodium Chromate	D	B	B	A	A	A	A	*	B	
Sodium Cyanide	D	B	B	A	B	A	*	A	*	
Sodium Fluoride	C	D	D	A	B	C	*	C	A	
Sodium Hydrosulfite	A	*	*	A	*	*	*	*	A	
Sodium Hydroxide (20%)	D	A	*	A	*	A	A	A	A	
Sodium Hydroxide (50% Solution)	D	B	*	A	*	A	B	*	A	
Sodium Hydroxide (80% Solution)	D	C	*	A	*	A	D	*	B	
Sodium Hypochlorite (to 20%)	D	C	*	A	*	A	D	*	B	
Sodium Hypochlorite	D	D	D	A	D	*	A	*	A	
Sodium Hyposulfate	D	*	*	A	*	A	A	*	*	
Sodium Metaphosphate	A	B	B	A	A	A	*	A	*	
Sodium Metasilicate	B	C	C	A	A	*	A	*	*	
Sodium Nitrate	A	A	B	A	B	A	A	A	B	
Sodium Perborate	B	B	B	A	B	*	C	*	*	
Sodium Peroxide	C	D	C	A	B	A	A	*	B	
Sodium Polyphosphate (Mono, Di, Tribasic)	D	*	*	A	*	A	A	*	A	
Sodium Silicate	C	*	B	A	B	A	B	A	B	
Sodium Sulfate	B	A	B	A	B	A	A	C	B	
Sodium Sulfide	D	A	B	A	B	A	B	*	B	
Sodium Sulfite	C	A	*	A	*	C	C	*	A	
Sodium Thiosulphate ("Hypo")	B	C	B	A	A	A	A	*	*	
Stannic Chloride	D	D	D	A	D	D	D	*	B	
Stannous Chloride	D	D	D	A	D	D	C	*	A	
Stearic Acid	B	C	C	A	B	A	A	A	A	
Stoddard Solvent	A	B	B	A	A	A	A	A	A	
Styrene	A	*	A	A	A	A	A	*	*	
Sulfate Liquors	B	*	*	*	*	C	C	*	A	
Sulfur Chloride	D	*	*	A	*	D	D	D	*	
Sulfur Dioxide	A	*	*	A	*	A	A	C	B	
Sulfur Dioxide (Dry)	A	A	B	A	A	A	A	*	A	
Sulfur Trioxide (Dry)	A	B	B	A	A	A	C	*	*	
Sulfuric Acid (to 10%)	C	D	*	A	*	D	C	C	A	
Sulfuric Acid (10%-75%)	D	D	*	A	*	D	D	D	B	
Sulfurous Acid	C	D	D	A	C	C	B	C	B	
Tannic Acid	C	C	C	A	B	A	A	A	B	
Tanning Liquors	C	*	*	A	*	A	A	*	A	
Tartaric Acid	C	D	D	A	B	A	B	B	B	
Tetrahydrofuran	D	D	A	A	*	A	A	*	*	
Toluene, Toluol	A	A	A	A	A	A	A	*	A	
Trichlorethane	C	C	*	A	*	C	A	*	A	
Trichlorethylene	B	C	B	A	B	A	A	*	A	
Water, Acid, Mine	C	C	*	*	*	A	A	*	*	
Water, Distilled, Lab Grade 7	B	D	*	A	*	A	A	*	*	
Water, Fresh	A	B	D	A	A	A	A	*	*	
Water, Salt	B	D	*	*	*	A	A	*	*	
Weed Killers	C	*	*	*	*	A	A	*	*	
Whiskey and Wines	D	D	D	A	A	A	A	A	*	
Xylene	A	A	B	A	A	A	A	*	A	
Zinc Chloride	D	D	D	A	D	A	B	B	B	
Zinc Hydrosulphite	D	D	*	*	*	*	A	*	*	
Zinc Sulfate	D	C	D	A	B	A	A	A	B	

This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The performance data on this page depicts typical performance under controlled laboratory conditions. AMETEK is not responsible for blowers driven beyond factory specified speed, temperature, pressure, flow or without proper alignment. Actual performance will vary depending on the operating environment and application. AMETEK products are not designed for and should not be used in medical life support applications. AMETEK reserves the right to revise its products without notification. The above characteristics represent standard products. For product designed to meet specific applications, contact AMETEK Technical & Industrial Products Sales department.

Accessories

Filtration - Inline Filter (Dual Connection)

ROTRON®

Inline Filters protect the blower from harmful dust and other particles that may be drawn into the blower through the air distribution system. Normally used in vacuum systems.

SPECIFICATIONS:

HOUSING – Steel

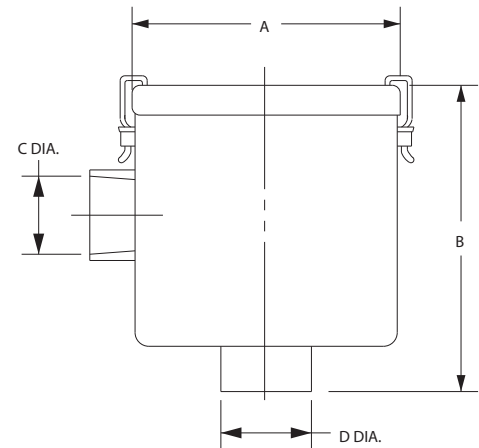
MEDIA – Polyester

EFFICIENCY – 97-98% (8 to 10 micron particle size)

FILTER ELEMENT – Replaceable (see filter elements)

NOTE: "Z" MEDIA (1 to 3 micron particle size) available

Inline filter PN 271200 is a straight through design
Inlet is directly opposite of outlet



* Feature 1/4" threaded tap for gauge connection on inlet and outlet

Specification	Units	Part/Model Number							
		271200	516461	515254	515255	515256	516463*	516465*	517611*
Filter Element	-	271078	516434	516434	516435	516435	515135	515135	516515
Ref Blower Model	-	A	B	C, D	E	F	G	H	H
Inlet Connection	-	1.75 SO	1.00 NPSC-F	1.50 NPSC-F	2.00 NPSC-F	2.50 NPSC-F	3.00 NPT-M	4.00 NPT-M	6.00 NPT-M
Outlet Connection	-	2.00 SO	1.00 NPSC-F	1.50 NPSC-F	2.00 NPSC-F	2.50 NPSC-F	3.00 NPT-M	4.00 NPT-M	6.00 NPT-M
Dimension A	Inches	5.25	7.25	7.00	8.00	8.00	14.00	14.00	18.00
	mm	133.4	184.2	177.8	203.2	203.2	355.6	355.6	457.2
Dimension B	Inches	8.31	6.50	6.50	10.25	10.25	26.50	27.00	28.00
	mm	211.1	165.1	165.1	260.4	260.4	673.1	685.8	711.2
Dimension C	Inches	2.00	1.00	1.50	2.00	2.50	3.00	4.00	6.00
	mm	50.8	25.4	38.1	50.8	63.5	76.2	101.6	152.4
Dimension D	Inches	1.75	1.00	1.50	2.00	2.50	3.00	4.00	6.00
	mm	44.5	25.4	38.1	50.8	63.5	76.2	101.6	152.4
Z Media Filter PN	-		517886	517887	517888	517889	517890	517891	517892

Blower Model Reference Key

A = SPIRAL	E = DR/EN/CP 656, 6, 633, S7
B = DR/EN/CP 068, 083, 101, 202	F = DR/EN/CP 757, 808, 858, S9, P9 (Inlet Only)
C = DR/EN/CP 303, 312, 313, 353	G = DR/EN/CP 833, S13, P13 (Inlet Only)
D = DR/EN/CP 404, 454, 513, 505, 555, 523	H = DR/EN/CP 909, 979, 1233, 14, S15, P15 (Inlet Only)

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NIXTOX Steel Drum Adsorbers

Modular Activated Carbon Vapor Phase Adsorbers

Solutions for Vapor Phase Remediation & Industrial Emission Control

These economical deep bed activated carbon adsorption units may be used as refillable or disposable adsorbers.

Rain shields are available and condensate drains are standard. The activated carbon units are constructed of carbon steel and provided with a double epoxy / phenolic lining. All adsorption units feature specially constructed vapor distributors to permit full adsorbent utilization and peak removal efficiency.

Custom distributors for high temperature applications are available upon request.

NOTES:

- Nominal design flow may be conservative.
- Desired contact time may allow higher or lower flow rates.
- Dry virgin activated or reactivated carbon provided as standard adsorbent.
- Adsorbent fill is based on a bed density of 27 lb/ft³.
- Adsorbent fill can differ based on variable bed density and alternate adsorbents.
- Pressure drops are based on a dense packed bed of activated carbon.



Modular Activated Carbon Vapor Adsorber Drums

Model #	Design Flow (CFM)	Max Temp	Max Pressure (PSIG)	Diameter/Height (IN)	Standard Fill (LBS)	Shipping Weight
N-100	100	200	6	24.5/37.75	200	260
N-250	250	130	1	32/47	400	530

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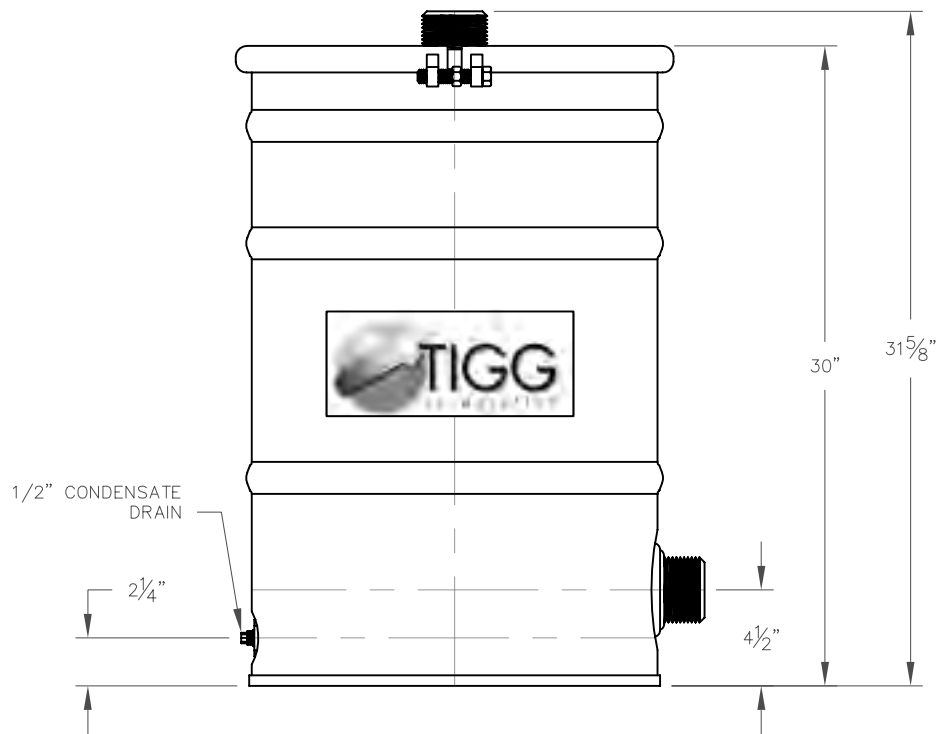


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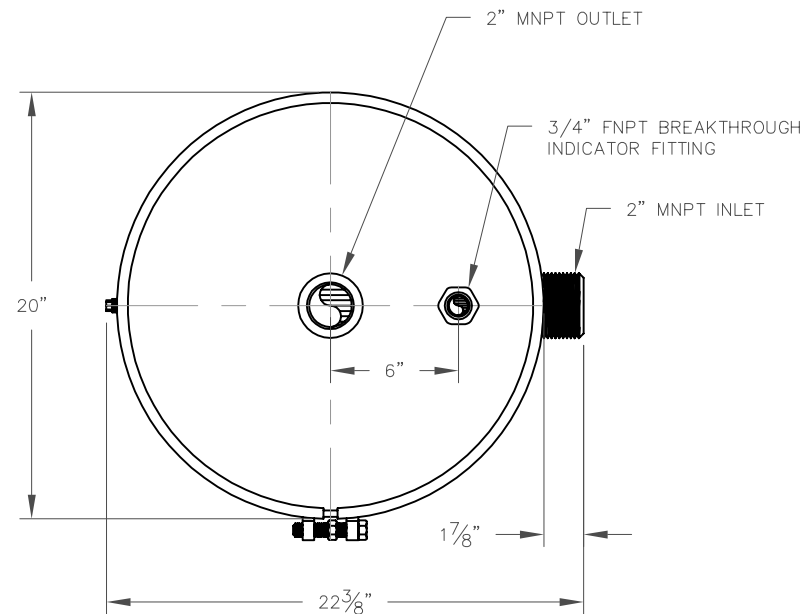
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ELEVATION



PLAN

2	REVISE PRESSURE RATING	JB	1/2/07
1	GENERAL	JB	6/11/03
NO.	REVISION	BY	DATE

PROJECT

PROJ. NO. SALES

P.O. NO.



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DATE 2/22/00

SCALE NTS

N-50 DRUM

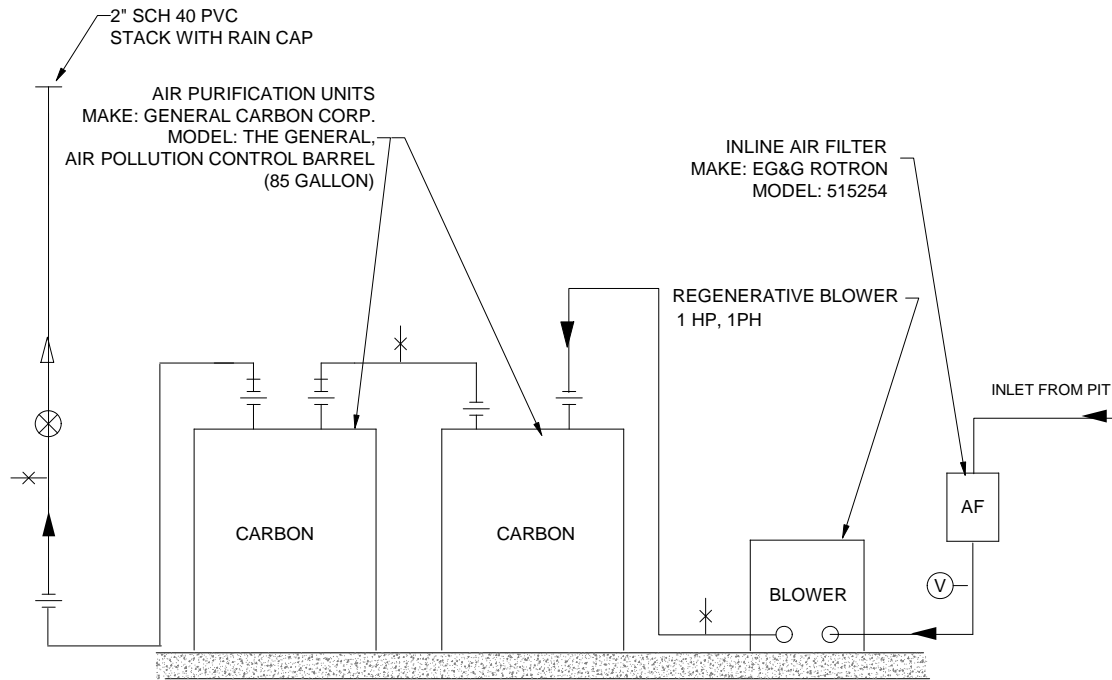
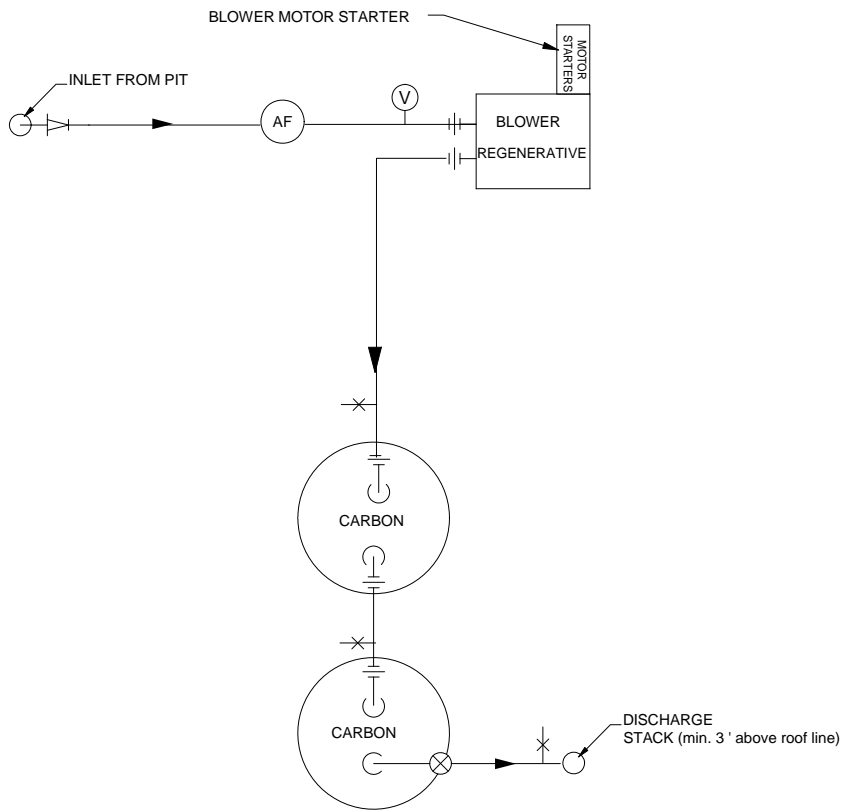
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






VESSEL STANDARDS

VESEL MATERIALS : CARBON STEEL	APPROXIMATE VOLUME OF VESSEL : 4 FT ³
LINING : EPOXY PHENOLIC	STANDARD CARBON FILL : 110 LBS
EXTERIOR PAINT : ACRYLIC ALKYD ENAMEL	SHIP WEIGHT : 145 LBS
INTERNALS : STAINLESS STEEL SCREEN	CARBON TYPE : TIGG 5C 0410 VAPOR PHASE
ADSORBENT OUTLET ASSEMBLY : REMOVABLE COVER	MAXIMUM OPERATING PRESSURE : 6 PSIG
CONDENSATE DRAIN ASSEMBLY : 1/2" PLUG	MAXIMUM OPERATING TEMPERATURE : 200°F

Attachment 3
SVE System Design Details



LEGEND

-  SCH 40 PVC REDUCER
-  VACUUM GAUGE
-  SCH 40 PVC BALL VALVE
-  SAMPLE TAP
-  AIR FILTER
-  UNION OR QUICK CONNECT
-  FLOW DIRECTION

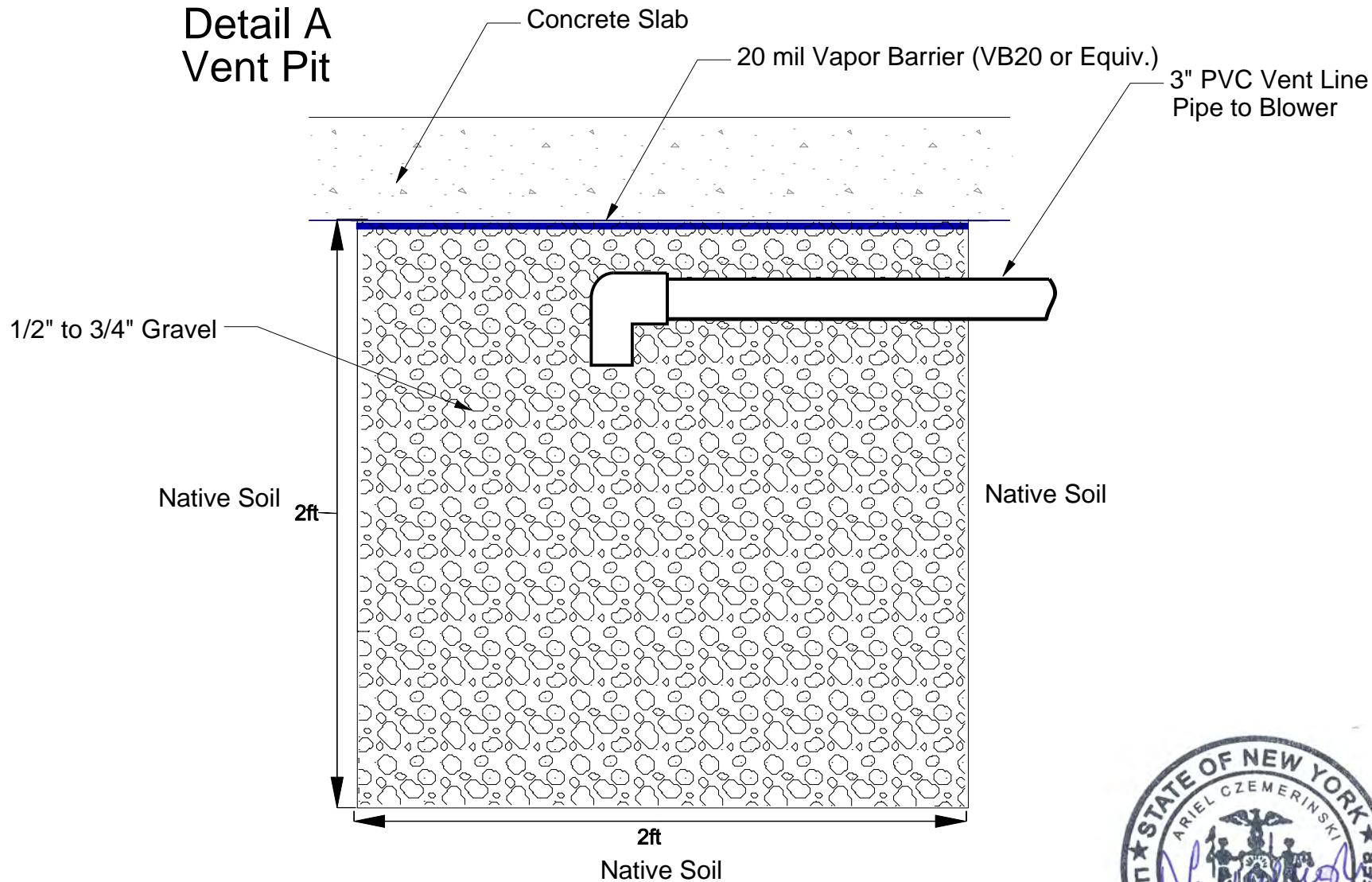


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 Astoria, NY 11105

Figure No.
SVE01

Site Name:	MIXED-USE BUILDING
Site Address:	1 1 20 WESTCHESTER AVENUE, BRONX, NY
Drawing Title:	SVE SYSTEM DETAIL

Detail A Vent Pit



VAPOR EXTRACTION PIT CONSTRUCTION DETAIL

N.T.S.



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Astoria, NY 11105

Figure No.
SVE02

Site Name:	MIXED-USE BUILDING
Site Address:	1 1 20 WESTCHESTER AVENUE, BRONX, NY
Drawing Title:	SVE SYSTEM EXTRACTION PIT DETAIL