G. C. ENVIRONMENTAL, INC.
CONSULTANTS CONTRACTORS

March 21, 2018

Mr. Amen Omorogbe
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7014

Subject: SVE System Design Work Plan
101 Westmoreland Avenue
White Plains, New York 10606
Automobile Club of New York
GCE Project No. 05-003-00
Monthly / Quarterly Soil Vapor Extraction System Performance - Cover System Monitoring & Quarterly Air Sampling Report

Dear Mr. Omorogbe:

As you aware, Automobile Club of New York (AAA) (Now Known as AAA Northeast) entered into an Order on Consent (Index No. D3-0504-06-09) with the New York State Department of Environmental Conservation (NYSDEC) in December, 2006. Based on the submitted and approved August 2015 SVE System Design Work Plan, April 2015 Site Management Plan, October 2015 Construction Completion Report and November 2013 Site Characterization Report, the monthly and quarterly reports prepared by G. C. Environmental, Inc. (GCE) for the Subject Site are listed as follows:

Monthly Reports (December-January);
- Soil Vapor Extraction System Performance
- Cover System Monitoring

Quarterly Reports (March);
- Soil Vapor Extraction System Performance
- Cover System Monitoring
- Air Sampling

Due to no access to the Site in February, quarterly inspection was postponed to the first week of March.

If you have any questions concerning this project, please feel free to call me at (631) 206 3700, ext. 111.

Very truly yours,

Gregory A. Collins
President

Enclosures: SVE System Design Monthly & Quarterly Report

Monthly SVE & Cover System Monitoring Reports December 2017, January 2018

22 Oak Street • Bay Shore, NY 11706 • TEL: (31) 206-3700 • FAX: (631) 206-3729

www.gcenvironmental.com

G. C. Environmental, Inc.
CONSULTANTS CONTRACTORS

December 20, 2017

Mr. Amen Omorogbe
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7014

VIA E-MAIL TO ALL

Subject: SVE System Design Work Plan
101 Westmoreland Avenue
White Plains, New York 10606
Automobile Club of New York
GCE Project No. 05-003-00
Monthly Soil Vapor Extraction System Performance & Cover System Monitoring Report - December 2017

Dear Mr. Omorogbe:

Enclosed please find the December 2017 Monthly Soil Vapor Extraction System Performance & Cover System Monitoring Report prepared by G. C. Environmental, Inc. (GCE) for the Subject Site.

If you have any questions concerning this project, please feel free to call me at (631) 206 3700, ext. 111.

Very truly yours,

Gregory A. Collins
President

SVE System Design, Site Code Number 360095
Soil Vapor Extraction (SVE) System Performance & Cover System Monitoring Report
December 2017

SVE System Performance Overview

In December 20, 2017, the SVE system was found to be operating at a flow rate of 50 CFM. Vacuum measurements at the manifold were consistent, ranging from 44-46 inches wc. Vacuum measurements at the system blower show that the blower produces 37-45 inches wc. The SVE System was operational throughout the month of December with water accumulating in the SVE system`s knock out (KO) drum (¼ of the drum). Water was drained out and placed into 55-gallon drum. Air filter on the CFM gauge was inspected for moisture. No water accumulation was observed.

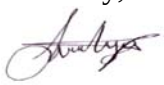
System Inspections

The SVE system operated continuously and routine inspections of the system are conducted by GCE personnel. System Operational Inspection logs are in place and are maintained. The concentrations of VOC (via photoionization detector (PID)) were measured on all soil vapor extraction points (SVE-1 & SVE-2 & SP-1 & SP-2). The PID readings were identified as 0.00 ppm for each point.

Cover System Inspections

The cover system routine inspection of the system is conducted by GCE personnel. The building slab and pavement act as a site cover for residual contaminated soils that exceed soil clean up objectives for the site use. The cover system at the soil vapor extraction wells (SVEs) location was not breached, penetrated or temporarily removed, and any underlying remaining contamination was not disturbed during the system inspection. However, during the system inspection, in some areas within the building footprint, which were not identified as the source of the contamination in soil vapor, cracks were observed.

Sincerely,



Fulya Toylular
Environmental Scientist

G. C. Environmental, Inc.
CONSULTANTS CONTRACTORS

January 23, 2018

Mr. Amen Omorogbe
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7014

VIA E-MAIL TO ALL

Subject: SVE System Design Work Plan
101 Westmoreland Avenue
White Plains, New York 10606
Automobile Club of New York
GCE Project No. 05-003-00
Monthly Soil Vapor Extraction System Performance & Cover System Monitoring Report - January 2018

Dear Mr. Omorogbe:

Enclosed please find the January 2018 Monthly Soil Vapor Extraction System Performance & Cover System Monitoring Report prepared by G. C. Environmental, Inc. (GCE) for the Subject Site.

If you have any questions concerning this project, please feel free to call me at (631) 206 3700, ext. 111.

Very truly yours,

Gregory A. Collins
President

SVE System Design, Site Code Number 360095
Soil Vapor Extraction (SVE) System Performance & Cover System Monitoring Report
January 2018

SVE System Performance Overview

In January 23, 2018, the SVE system was found to be operating at a flow rate of 50 CFM. Vacuum measurements at the manifold were consistent, ranging from 45-46 inches wc. Vacuum measurements at the system blower show that the blower produces 30-46 inches wc. The SVE System was operational throughout the month of January with water accumulating (¼ of the drum) in the SVE system`s knock out (KO) drum. Water was drained off and placed into 55-gallon drum. Air filter on the CFM gauge was inspected for moisture. No water accumulation was observed.

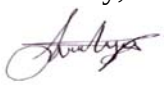
System Inspections

The SVE system operated continuously and routine inspections of the system are conducted by GCE personnel. System Operational Inspection logs are in place and are maintained. The concentrations of VOC (via photoionization detector (PID)) were measured on all soil vapor extraction points (SVE-1 & SVE-2 & SP-1 & SP-2). The PID readings were identified as 0.00 ppm for each point.

Cover System Inspections

The cover system routine inspection of the system is conducted by GCE personnel. The building slab and pavement act as a site cover for residual contaminated soils that exceed soil clean up objectives for the site use. The cover system at the soil vapor extraction wells (SVEs) location was not breached, penetrated or temporarily removed, and any underlying remaining contamination was not disturbed during the system inspection. However, during the system inspection, in some areas within the building footprint, which were not identified as the source of the contamination in soil vapor, cracks were observed.

Sincerely,



Fulya Toylular
Environmental Scientist

Quarterly SVE & Cover System Monitoring & Air Sampling Report February/March, 2018

22 Oak Street • Bay Shore, NY 11706 • TEL: (31) 206-3700 • FAX: (631) 206-3729

www.gcenvironmental.com

G. C. ENVIRONMENTAL, INC.
CONSULTANTS CONTRACTORS

March 21, 2018

Mr. Amen Omorogbe
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7014

VIA E-MAIL TO ALL

Subject: SVE System Design Work Plan
101 Westmoreland Avenue
White Plains, New York 10606
Automobile Club of New York (Now Known as AAA Northeast)
GCE Project No. 05-003-00
Quarterly Soil Vapor Extraction System Performance & Cover System Monitoring Report & Air Sampling Report – February/March 2018

Dear Mr. Omorogbe:

Enclosed please find the February/March 2018 Quarterly Soil Vapor Extraction System Performance & Cover System Monitoring Report & Air Sampling Report prepared by G. C. Environmental, Inc. (GCE) for the Subject Site.

If you have any questions concerning this project, please feel free to call me at (631) 206 3700, ext. 111.

Very truly yours,

Gregory A. Collins
President

SVE System Design, Site Code Number 360095
Soil Vapor Extraction (SVE) System Performance & Cover System Monitoring Report & Air Sampling Report
February/March 2018

SVE System Performance Overview

In March 6, 2018, the SVE system was found to be operating at a consistent flow rate of approximately 50 CFM. Vacuum measurements at the manifold were consistent, ranging from 45-46 inches wc. Vacuum measurements at the system blower showed that the blower produces 30-46 inches wc. The SVE System was operational throughout the month of February/March with water accumulating (¼ of the drum) in the system`s knock out (KO) drum. The accumulated water was drained off and placed in 55-gallon drum. Air filter on the CFM gauge was inspected for moisture. No moisture was observed.

Due to vacuum gauge readings indicated potential clogging, the knock out drum cover was removed and the filter/demister assembly inside the moisture separator was removed and cleaned up. After system maintenance, vacuum measurements at the system blower showed that the blower produces 36-44 inches wc.

Air Sampling Procedures

According to the Soil Vapor Sampling Program attached to the August 2015 SVE System Design Work Plan Report, air samples were collected at four (4) locations in the SVE system: at the SVE system blower discharge (SP-1), at the discharge of the GAC vessel (SP-2) when the SVE system was running and at the each SVE wells (SV-1 and SV-2) taken at the repair shop area when the SVE system was shutdown. The air samples were collected using SUMMA canisters over an elapsed time of 1 hour. The air samples were boxed and shipped to the Phoenix Environmental Laboratories (PEL), a New York State ELAP-approved laboratory for analysis of VOC using EPA Method TO-15. PID readings were 0.00 ppm at all sampling locations (Please, refer to the lab results in Appendix A and Table 1 for air sample results and Figure 1 for air sampling diagram).

Air Sampling Data Interpretation

Air samples were collected in March 6, 2018. In March, at an average flow rate of approximately 50 cfm (approximately 72,000 cub.ft/day), the SVE system was estimated to be removing approximately 0.99 lbs of total VOC per day (Please, refer to the lab results in Appendix A and Table 1 for air sample results).

Air Sampling PID Measurements

According to the August 2015 SVE System Design Work Plan Report and April 2015 Site Management Report (SMP) concentrations of VOC (via photoionization detector (PID)) should be measured on all soil vapor extraction points (SVE-1 & SVE-2). The PID readings had been

measured on these points and all sampling locations (Please, refer to Table 2 for the PID Readings at all air sampling locations, March 6, 2018).

System Inspections

The SVE system operated as described and routine inspections of the system are conducted by GCE personnel. System Operational Inspection logs are in place and are maintained.

Cover System Inspections

The cover system routine inspection of the system is conducted by GCE personnel. The building slab and pavement act as a site cover for residual contaminated soils that exceed soil clean up objectives for the site use. The cover system was not breached, penetrated or temporarily removed, and any underlying remaining contamination was not disturbed during the system inspection. Nevertheless, during the system inspection, in some areas within the building footprint, which were not identified as the source of the contamination in soil vapor, cracks were observed.

Groundwater Level Measurements

On March 6, 2018, prior to groundwater sampling, GCE conducted groundwater level measurements in all the on-site monitoring wells. Depth to groundwater was measured using a Solinst oil/water interface probe equipped with a fiberglass measuring tape. The same probe and measuring tape were used for all measurements. All of the groundwater level measurements were taken from an etch mark at the top of the PVC casing of each well (Please, refer to Table 3 for the Groundwater Depth Measurements, Figure 2 for the Site Map).

Groundwater Sampling Procedures

Based on the work plan and site management plan, no groundwater samples were collected at this time. Next groundwater sampling event will be during May quarterly inspection.

Groundwater PID Measurements

According to the to the August 2015 SVE System Design Work Plan (SVE) and April 2015 Site Management Report (SMP) concentrations of VOC (via photoionization detector (PID)) should be measured on all on-site monitoring wells MW-1 through MW-8. The PID readings had been measured at all monitoring wells (Please, refer to Table 4 for the PID Readings).

Sincerely,

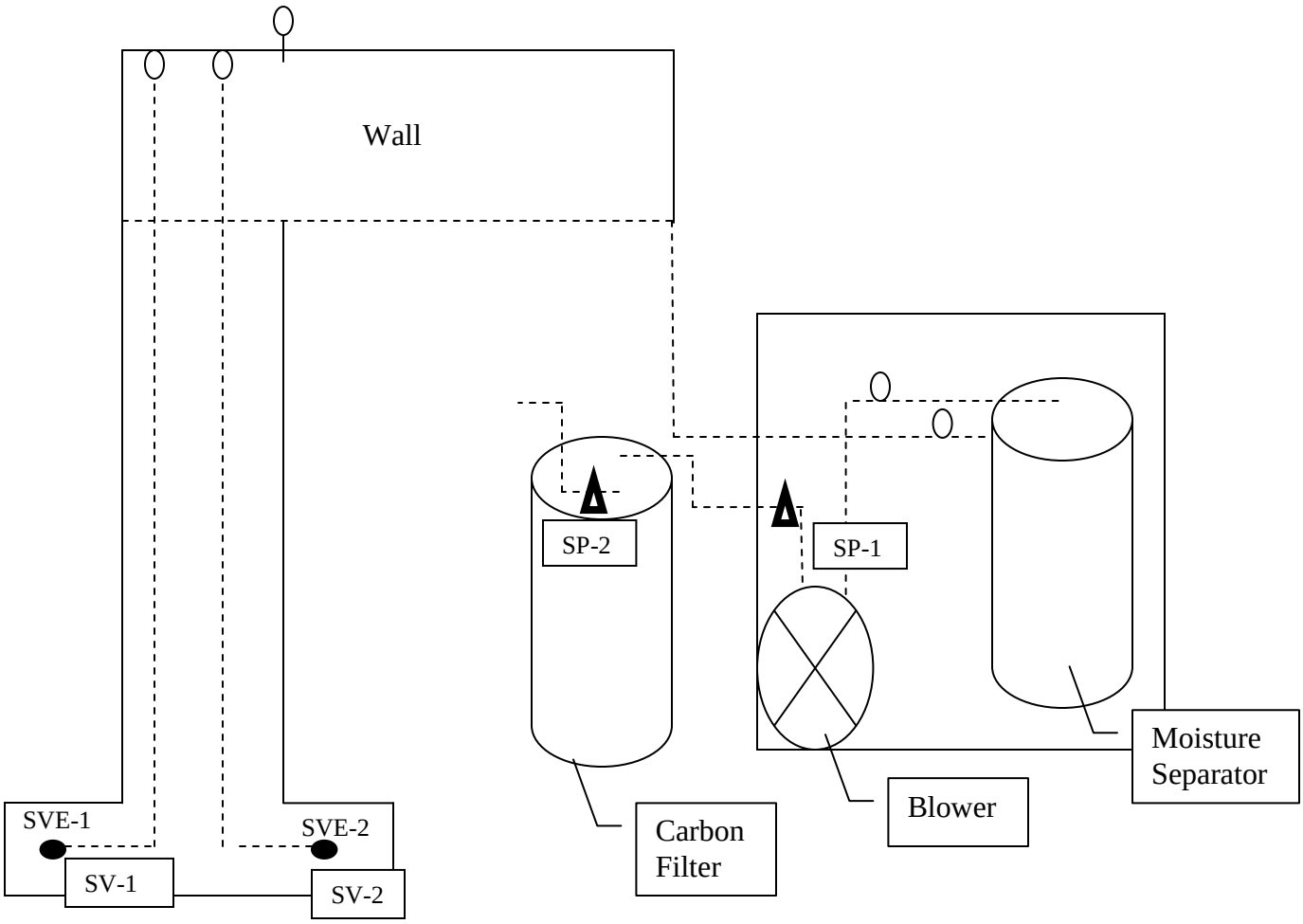
Fulya Toylular
Environmental Scientist

Enclosures:
Figures:
- Figure 1: SVE System Air Sampling Diagram
- Figure 2: Site Map

Tables:
- Table 1: Air Sampling Results (03/06/18)
- Table 2: PID Readings for Air Sampling Locations (03/06/18)
- Table 3: Depth of Groundwater (03/06/18)
- Table 4: PID Readings for MW Locations (03/06/18)

Appendixes:
- Appendix A: Lab Analytical Results
- Appendix B: Photolog

LIST OF FIGURES



LEGEND:

- Soil Vapor Extraction Wells
- Manifold Vacuum Gauges
- System Piping
- Air Sampling Locations

Note: Drawings is not scaled. All locations are approximate.

G. C. Environmental, Inc.
CONSULTANTS CONTRACTORS

22 OAK STREET
BAY SHORE, NEW YORK 11706

TEL: (631) 206-3700
FAX: (631) 206-3729

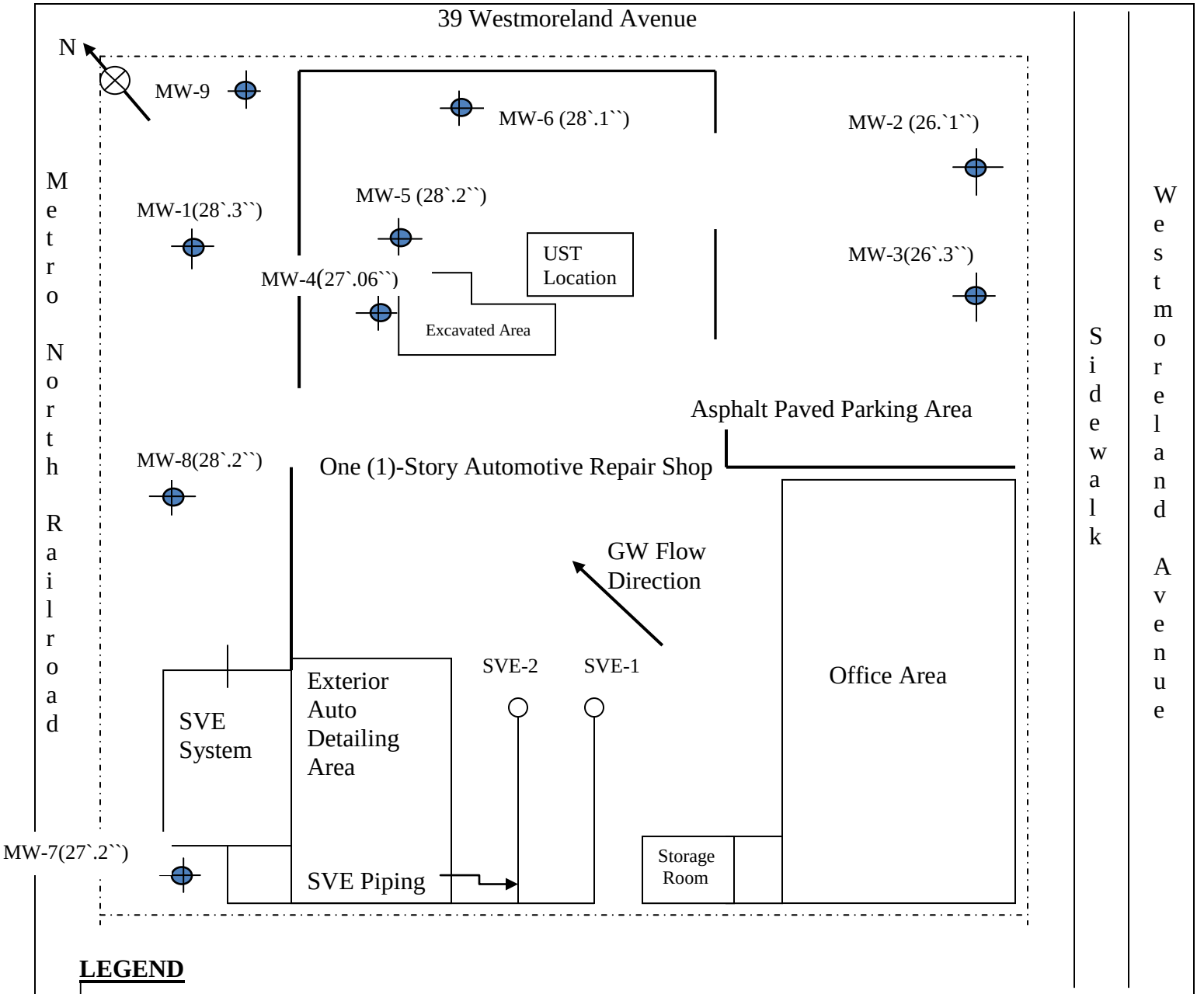
BASIC SVE SYSTEM AIR SAMPLING DIAGRAM

101 WESTMORELAND AVENUE
WHITE PLAINS, NY 10606

GCE PROJECT NO.: 05-003-00

FIGURE 1

SVE SYTEM AIR SAMPLING DIAGRAM



LEGEND

- Monitoring Well Location
- Soil Vapor Extraction Point
- (28`.1``) Groundwater Depth
- Property Line

Note: MW-9 was not sampled.

Note: Drawings is not scaled. All locations are approximate.

G. C. ENVIRONMENTAL, INC
CONSULTANTS CONTRACTORS

22 OAK STREET
BAY SHORE, NEW YORK 11706

TEL: (631) 206-3700
FAX: (631) 206-3729

SITE MAP

101 WESTMORELAND AVENUE
WHITE PLAINS, NY 10606

GCE PROJECT NO.: 05-003-00

FIGURE 2

SITE MAP

LIST OF TABLES

G. C. Environmental, Inc.
101 Westmoreland Avenue,White Plains, New York
Table 2-PID Readings, March 2018

Monitoring Wells - Onsite	Unit	PID Level Measurement
SP-1 (Blower Discharge)	ppm	0.00
SP-2 (Discharge of the Carbon Vessel)	ppm	0.00
SV-1 (SVE -1)	ppm	0.00
SV-2 (SVE -2)	ppm	0.00

Note:
ppm: part per million

G. C. Environmental, Inc.
101 Westmoreland Avenue,White Plains, New York
Table 3-Depth of GW, March 2018

Monitoring Wells -Onsite	Unit	GW Level Measurement
MW-1	ft	28.3
MW-2	ft	26.1
MW-3	ft	26.3
MW-4	ft	27.06
MW-5	ft	28.2
MW-6	ft	28.1
MW-7	ft	27.2
MW-8	ft	28.2

G. C. Environmental, Inc.
101 Westmoreland Avenue,White Plains, New York
Table 4-PID Readings, March 2018

Monitoring Wells -On-site	Unit	PID Level Measurement
MW-1	ppm	0.00
MW-2	ppm	0.00
MW-3	ppm	0.00
MW-4	ppm	0.00
MW-5	ppm	0.00
MW-6	ppm	0.00
MW-7	ppm	0.00
MW-8	ppm	0.00

APPENDIX A
Lab Analytical Results

PHOENIX
Environmental Laboratories, Inc.

Tuesday, March 13, 2018

Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Project ID: 05-003-00
Sample ID#s: CA00210 - CA00213

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

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 13, 2018

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	FT	03/06/18	11:30
Location Code:	GC-ENV	Received by:	LB	03/08/18	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	10964				
Canister Id:	13647				

Laboratory Data

SDG ID: GCA00210
Phoenix ID: CA00210

Project ID: 05-003-00
Client ID: SP-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	03/09/18	KCA	1	1
1,1,1-Trichloroethane	11.3	*0.183*	61.6	*1.00*	03/09/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	03/09/18	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	03/09/18	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	03/09/18	KCA	1	
1,1-Dichloroethene	0.240	*0.051*	0.95	*0.20*	03/09/18	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	03/09/18	KCA	1	
1,2,4-Trimethylbenzene	3.12	*0.204*	15.3	*1.00*	03/09/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	03/09/18	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/09/18	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	03/09/18	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	03/09/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	03/09/18	KCA	1	
1,3,5-Trimethylbenzene	2.63	*0.204*	12.9	*1.00*	03/09/18	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	03/09/18	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/09/18	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/09/18	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	03/09/18	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	03/09/18	KCA	1	1
4-Ethyltoluene	1.06	*0.204*	5.21	*1.00*	03/09/18	KCA	1	1
4-Isopropyltoluene	0.688	*0.182*	3.77	*1.00*	03/09/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	1.55	*0.244*	6.35	*1.00*	03/09/18	KCA	1	
Acetone	7990	*253*	19000	*601*	03/09/18	KCA	600	
Acrylonitrile	ND	*0.461*	ND	*1.00*	03/09/18	KCA	1	
Benzene	0.450	*0.313*	1.44	*1.00*	03/09/18	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	03/09/18	KCA	1	

Ver 1

Project ID: 05-003-00
Client ID: SP-1

Phoenix I.D.: CA00210

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	03/09/18	KCA	1	
Bromoform	ND		*0.097*	ND	*1.00*	03/09/18	KCA	1	
Bromomethane	ND		*0.258*	ND	*1.00*	03/09/18	KCA	1	
Carbon Disulfide	ND		*0.321*	ND	*1.00*	03/09/18	KCA	1	
Carbon Tetrachloride	0.063		*0.032*	0.40	*0.20*	03/09/18	KCA	1	
Chlorobenzene	ND		*0.217*	ND	*1.00*	03/09/18	KCA	1	
Chloroethane	ND		*0.379*	ND	*1.00*	03/09/18	KCA	1	
Chloroform	ND		*0.205*	ND	*1.00*	03/09/18	KCA	1	
Chloromethane	ND		*0.485*	ND	*1.00*	03/09/18	KCA	1	
Cis-1,2-Dichloroethene	0.069		*0.051*	0.27	*0.20*	03/09/18	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	03/09/18	KCA	1	
Cyclohexane	ND		*0.291*	ND	*1.00*	03/09/18	KCA	1	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	03/09/18	KCA	1	
Dichlorodifluoromethane	2.13		*0.202*	10.5	*1.00*	03/09/18	KCA	1	
Ethanol	4.62		*0.531*	8.70	*1.00*	03/09/18	KCA	1	1
Ethyl acetate	ND		*0.278*	ND	*1.00*	03/09/18	KCA	1	1
Ethylbenzene	1.63		*0.230*	7.07	*1.00*	03/09/18	KCA	1	
Heptane	0.675		*0.244*	2.76	*1.00*	03/09/18	KCA	1	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	03/09/18	KCA	1	
Hexane	0.796	S	*0.284*	2.80	*1.00*	03/09/18	KCA	1	
Isopropylalcohol	2.39		*0.407*	5.87	*1.00*	03/09/18	KCA	1	
Isopropylbenzene	0.277		*0.204*	1.36	*1.00*	03/09/18	KCA	1	
m,p-Xylene	4.94		*0.230*	21.4	*1.00*	03/09/18	KCA	1	
Methyl Ethyl Ketone	4100		*204*	12100	*601*	03/09/18	KCA	600	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	03/09/18	KCA	1	
Methylene Chloride	ND		*0.864*	ND	*3.00*	03/09/18	KCA	1	
n-Butylbenzene	0.785		*0.182*	4.31	*1.00*	03/09/18	KCA	1	1
o-Xylene	2.52		*0.230*	10.9	*1.00*	03/09/18	KCA	1	
Propylene	ND		*0.581*	ND	*1.00*	03/09/18	KCA	1	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	03/09/18	KCA	1	1
Styrene	2.41		*0.235*	10.3	*1.00*	03/09/18	KCA	1	
Tetrachloroethene	80.5		*1.33*	546	*9.02*	03/09/18	KCA	36	
Tetrahydrofuran	19300		*204*	56900	*601*	03/09/18	KCA	600	1
Toluene	17.3		*0.266*	65.2	*1.00*	03/09/18	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	03/09/18	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	03/09/18	KCA	1	
Trichloroethene	0.805		*0.037*	4.32	*0.20*	03/09/18	KCA	1	
Trichlorofluoromethane	ND		*0.178*	ND	*1.00*	03/09/18	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	03/09/18	KCA	1	
Vinyl Chloride	ND		*0.078*	ND	*0.20*	03/09/18	KCA	1	
QA/QC Surrogates									
% Bromofluorobenzene	118		*%*	118	*%*	03/09/18	KCA	1	

Project ID: 05-003-00
Client ID: SP-1

Phoenix I.D.: CA00210

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	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 at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services.
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Phyllis Shiller, Laboratory Director

March 13, 2018

Reviewed and Released by: Rashmi Makol, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 13, 2018

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	FT	03/06/18	9:00
Location Code:	GC-ENV	Received by:	LB	03/08/18	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	10964				
Canister Id:	121344				

Laboratory Data

SDG ID: GCA00210
Phoenix ID: CA00211

Project ID: 05-003-00
Client ID: SV-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	03/09/18	KCA	1	1
1,1,1-Trichloroethane	8.06	*0.183*	43.9	*1.00*	03/09/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	03/09/18	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	03/09/18	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	03/09/18	KCA	1	
1,1-Dichloroethene	0.122	*0.051*	0.48	*0.20*	03/09/18	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	03/09/18	KCA	1	
1,2,4-Trimethylbenzene	3.03	*0.204*	14.9	*1.00*	03/09/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	03/09/18	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/09/18	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	03/09/18	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	03/09/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	03/09/18	KCA	1	
1,3,5-Trimethylbenzene	0.793	*0.204*	3.90	*1.00*	03/09/18	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	03/09/18	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/09/18	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/09/18	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	03/09/18	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	03/09/18	KCA	1	1
4-Ethyltoluene	0.663	*0.204*	3.26	*1.00*	03/09/18	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	03/09/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	03/09/18	KCA	1	
Acetone	16.2	*0.421*	38.5	*1.00*	03/09/18	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	03/09/18	KCA	1	
Benzene	0.449	*0.313*	1.43	*1.00*	03/09/18	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	03/09/18	KCA	1	

Ver 1

Project ID: 05-003-00
Client ID: SV-1

Phoenix I.D.: CA00211

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	03/09/18	KCA	1	
Bromoform	ND		*0.097*	ND	*1.00*	03/09/18	KCA	1	
Bromomethane	ND		*0.258*	ND	*1.00*	03/09/18	KCA	1	
Carbon Disulfide	ND		*0.321*	ND	*1.00*	03/09/18	KCA	1	
Carbon Tetrachloride	0.054		*0.032*	0.34	*0.20*	03/09/18	KCA	1	
Chlorobenzene	ND		*0.217*	ND	*1.00*	03/09/18	KCA	1	
Chloroethane	ND		*0.379*	ND	*1.00*	03/09/18	KCA	1	
Chloroform	0.795		*0.205*	3.88	*1.00*	03/09/18	KCA	1	
Chloromethane	ND		*0.485*	ND	*1.00*	03/09/18	KCA	1	
Cis-1,2-Dichloroethene	0.067		*0.051*	0.27	*0.20*	03/09/18	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	03/09/18	KCA	1	
Cyclohexane	1.37		*0.291*	4.71	*1.00*	03/09/18	KCA	1	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	03/09/18	KCA	1	
Dichlorodifluoromethane	1.24		*0.202*	6.13	*1.00*	03/09/18	KCA	1	
Ethanol	1.98		*0.531*	3.73	*1.00*	03/09/18	KCA	1	1
Ethyl acetate	ND		*0.278*	ND	*1.00*	03/09/18	KCA	1	1
Ethylbenzene	0.789		*0.230*	3.42	*1.00*	03/09/18	KCA	1	
Heptane	1.30		*0.244*	5.32	*1.00*	03/09/18	KCA	1	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	03/09/18	KCA	1	
Hexane	0.954	S	*0.284*	3.36	*1.00*	03/09/18	KCA	1	
Isopropylalcohol	0.838		*0.407*	2.06	*1.00*	03/09/18	KCA	1	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	03/09/18	KCA	1	
m,p-Xylene	3.11		*0.230*	13.5	*1.00*	03/09/18	KCA	1	
Methyl Ethyl Ketone	0.597		*0.339*	1.76	*1.00*	03/09/18	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	03/09/18	KCA	1	
Methylene Chloride	ND		*0.864*	ND	*3.00*	03/09/18	KCA	1	
n-Butylbenzene	0.577		*0.182*	3.17	*1.00*	03/09/18	KCA	1	1
o-Xylene	1.29		*0.230*	5.60	*1.00*	03/09/18	KCA	1	
Propylene	1.32		*0.581*	2.27	*1.00*	03/09/18	KCA	1	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	03/09/18	KCA	1	1
Styrene	2.89		*0.235*	12.3	*1.00*	03/09/18	KCA	1	
Tetrachloroethene	54.8		*0.184*	371	*1.25*	03/09/18	KCA	5	
Tetrahydrofuran	8.78		*0.339*	25.9	*1.00*	03/09/18	KCA	1	1
Toluene	10.4		*0.266*	39.2	*1.00*	03/09/18	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	03/09/18	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	03/09/18	KCA	1	
Trichloroethene	0.367		*0.037*	1.97	*0.20*	03/09/18	KCA	1	
Trichlorofluoromethane	0.237		*0.178*	1.33	*1.00*	03/09/18	KCA	1	
Trichlorotrifluoroethane	0.159		*0.131*	1.22	*1.00*	03/09/18	KCA	1	
Vinyl Chloride	ND		*0.078*	ND	*0.20*	03/09/18	KCA	1	
QA/QC Surrogates									
% Bromofluorobenzene	105		*%*	105	*%*	03/09/18	KCA	1	

Project ID: 05-003-00
Client ID: SV-1

Phoenix I.D.: CA00211

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	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 at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services.
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Phyllis Shiller, Laboratory Director

March 13, 2018

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 13, 2018

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	FT	03/06/18	9:05
Location Code:	GC-ENV	Received by:	LB	03/08/18	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	10964				
Canister Id:	19931				

Laboratory Data

SDG ID: GCA00210
Phoenix ID: CA00212

Project ID: 05-003-00
Client ID: SV-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	03/09/18	KCA	1	1
1,1,1-Trichloroethane	11.1	*0.183*	60.5	*1.00*	03/09/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	03/09/18	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	03/09/18	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	03/09/18	KCA	1	
1,1-Dichloroethene	0.129	*0.051*	0.51	*0.20*	03/09/18	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	03/09/18	KCA	1	
1,2,4-Trimethylbenzene	2.93	*0.204*	14.4	*1.00*	03/09/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	03/09/18	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/09/18	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	03/09/18	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	03/09/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	03/09/18	KCA	1	
1,3,5-Trimethylbenzene	1.31	*0.204*	6.44	*1.00*	03/09/18	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	03/09/18	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/09/18	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/09/18	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	03/09/18	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	03/09/18	KCA	1	1
4-Ethyltoluene	0.860	*0.204*	4.23	*1.00*	03/09/18	KCA	1	1
4-Isopropyltoluene	0.378	*0.182*	2.07	*1.00*	03/09/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	03/09/18	KCA	1	
Acetone	15.7	*0.421*	37.3	*1.00*	03/09/18	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	03/09/18	KCA	1	
Benzene	ND	*0.313*	ND	*1.00*	03/09/18	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	03/09/18	KCA	1	

Ver 1

Project ID: 05-003-00
Client ID: SV-2

Phoenix I.D.: CA00212

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	03/09/18	KCA	1	
Bromoform	ND		*0.097*	ND	*1.00*	03/09/18	KCA	1	
Bromomethane	ND		*0.258*	ND	*1.00*	03/09/18	KCA	1	
Carbon Disulfide	ND		*0.321*	ND	*1.00*	03/09/18	KCA	1	
Carbon Tetrachloride	0.052		*0.032*	0.33	*0.20*	03/09/18	KCA	1	
Chlorobenzene	ND		*0.217*	ND	*1.00*	03/09/18	KCA	1	
Chloroethane	ND		*0.379*	ND	*1.00*	03/09/18	KCA	1	
Chloroform	2.30		*0.205*	11.2	*1.00*	03/09/18	KCA	1	
Chloromethane	ND		*0.485*	ND	*1.00*	03/09/18	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	ND	*0.20*	03/09/18	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	03/09/18	KCA	1	
Cyclohexane	1.39		*0.291*	4.78	*1.00*	03/09/18	KCA	1	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	03/09/18	KCA	1	
Dichlorodifluoromethane	2.31		*0.202*	11.4	*1.00*	03/09/18	KCA	1	
Ethanol	1.60		*0.531*	3.01	*1.00*	03/09/18	KCA	1	1
Ethyl acetate	ND		*0.278*	ND	*1.00*	03/09/18	KCA	1	1
Ethylbenzene	0.606		*0.230*	2.63	*1.00*	03/09/18	KCA	1	
Heptane	1.03		*0.244*	4.22	*1.00*	03/09/18	KCA	1	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	03/09/18	KCA	1	
Hexane	0.517	S	*0.284*	1.82	*1.00*	03/09/18	KCA	1	
Isopropylalcohol	0.667		*0.407*	1.64	*1.00*	03/09/18	KCA	1	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	03/09/18	KCA	1	
m,p-Xylene	2.39		*0.230*	10.4	*1.00*	03/09/18	KCA	1	
Methyl Ethyl Ketone	0.448		*0.339*	1.32	*1.00*	03/09/18	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	03/09/18	KCA	1	
Methylene Chloride	0.869	S	*0.864*	3.02	*3.00*	03/09/18	KCA	1	
n-Butylbenzene	0.631		*0.182*	3.46	*1.00*	03/09/18	KCA	1	1
o-Xylene	1.43		*0.230*	6.21	*1.00*	03/09/18	KCA	1	
Propylene	1.98		*0.581*	3.41	*1.00*	03/09/18	KCA	1	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	03/09/18	KCA	1	1
Styrene	2.22		*0.235*	9.45	*1.00*	03/09/18	KCA	1	
Tetrachloroethene	117		*0.184*	793	*1.25*	03/09/18	KCA	5	
Tetrahydrofuran	8.87		*0.339*	26.1	*1.00*	03/09/18	KCA	1	1
Toluene	7.86		*0.266*	29.6	*1.00*	03/09/18	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	03/09/18	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	03/09/18	KCA	1	
Trichloroethene	0.834		*0.037*	4.48	*0.20*	03/09/18	KCA	1	
Trichlorofluoromethane	0.229		*0.178*	1.29	*1.00*	03/09/18	KCA	1	
Trichlorotrifluoroethane	0.295		*0.131*	2.26	*1.00*	03/09/18	KCA	1	
Vinyl Chloride	ND		*0.078*	ND	*0.20*	03/09/18	KCA	1	
QA/QC Surrogates									
% Bromofluorobenzene	109		*%*	109	*%*	03/09/18	KCA	1	

Project ID: 05-003-00
Client ID: SV-2

Phoenix I.D.: CA00212

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	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 at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services.
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Phyllis Shiller, Laboratory Director

March 13, 2018

Reviewed and Released by: Rashmi Makol, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 13, 2018

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	FT	03/06/18	10:30
Location Code:	GC-ENV	Received by:	LB	03/08/18	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	10964				
Canister Id:	474				

Laboratory Data

SDG ID: GCA00210
Phoenix ID: CA00213

Project ID: 05-003-00
Client ID: SP-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	03/09/18	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	03/09/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	03/09/18	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	03/09/18	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	03/09/18	KCA	1	
1,1-Dichloroethene	ND	*0.051*	ND	*0.20*	03/09/18	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	03/09/18	KCA	1	
1,2,4-Trimethylbenzene	0.909	*0.204*	4.47	*1.00*	03/09/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	03/09/18	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/09/18	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	03/09/18	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	03/09/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	03/09/18	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	03/09/18	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	03/09/18	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/09/18	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/09/18	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	03/09/18	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	03/09/18	KCA	1	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	03/09/18	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	03/09/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.496	*0.244*	2.03	*1.00*	03/09/18	KCA	1	
Acetone	99.9	*2.11*	237	*5.01*	03/09/18	KCA	5	
Acrylonitrile	ND	*0.461*	ND	*1.00*	03/09/18	KCA	1	
Benzene	ND	*0.313*	ND	*1.00*	03/09/18	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	03/09/18	KCA	1	

Project ID: 05-003-00
Client ID: SP-2

Phoenix I.D.: CA00213

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	03/09/18	KCA	1	
Bromoform	ND		*0.097*	ND	*1.00*	03/09/18	KCA	1	
Bromomethane	ND		*0.258*	ND	*1.00*	03/09/18	KCA	1	
Carbon Disulfide	ND		*0.321*	ND	*1.00*	03/09/18	KCA	1	
Carbon Tetrachloride	ND		*0.032*	ND	*0.20*	03/09/18	KCA	1	
Chlorobenzene	ND		*0.217*	ND	*1.00*	03/09/18	KCA	1	
Chloroethane	ND		*0.379*	ND	*1.00*	03/09/18	KCA	1	
Chloroform	ND		*0.205*	ND	*1.00*	03/09/18	KCA	1	
Chloromethane	ND		*0.485*	ND	*1.00*	03/09/18	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	ND	*0.20*	03/09/18	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	03/09/18	KCA	1	
Cyclohexane	ND		*0.291*	ND	*1.00*	03/09/18	KCA	1	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	03/09/18	KCA	1	
Dichlorodifluoromethane	1.05		*0.202*	5.19	*1.00*	03/09/18	KCA	1	
Ethanol	9.90		*0.531*	18.6	*1.00*	03/09/18	KCA	1	1
Ethyl acetate	ND		*0.278*	ND	*1.00*	03/09/18	KCA	1	1
Ethylbenzene	0.356		*0.230*	1.54	*1.00*	03/09/18	KCA	1	
Heptane	ND		*0.244*	ND	*1.00*	03/09/18	KCA	1	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	03/09/18	KCA	1	
Hexane	0.586	S	*0.284*	2.06	*1.00*	03/09/18	KCA	1	
Isopropylalcohol	3.49		*0.407*	8.57	*1.00*	03/09/18	KCA	1	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	03/09/18	KCA	1	
m,p-Xylene	1.40		*0.230*	6.08	*1.00*	03/09/18	KCA	1	
Methyl Ethyl Ketone	4.17		*0.339*	12.3	*1.00*	03/09/18	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	03/09/18	KCA	1	
Methylene Chloride	1.83	S	*0.864*	6.35	*3.00*	03/09/18	KCA	1	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	03/09/18	KCA	1	1
o-Xylene	0.537		*0.230*	2.33	*1.00*	03/09/18	KCA	1	
Propylene	ND		*0.581*	ND	*1.00*	03/09/18	KCA	1	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	03/09/18	KCA	1	1
Styrene	0.735		*0.235*	3.13	*1.00*	03/09/18	KCA	1	
Tetrachloroethene	ND		*0.037*	ND	*0.25*	03/09/18	KCA	1	
Tetrahydrofuran	1.03		*0.339*	3.04	*1.00*	03/09/18	KCA	1	1
Toluene	2.65		*0.266*	10.0	*1.00*	03/09/18	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	03/09/18	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	03/09/18	KCA	1	
Trichloroethene	ND		*0.037*	ND	*0.20*	03/09/18	KCA	1	
Trichlorofluoromethane	ND		*0.178*	ND	*1.00*	03/09/18	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	03/09/18	KCA	1	
Vinyl Chloride	ND		*0.078*	ND	*0.20*	03/09/18	KCA	1	
QA/QC Surrogates									
% Bromofluorobenzene	105		*%*	105	*%*	03/09/18	KCA	1	

Ver 1

Project ID: 05-003-00
Client ID: SP-2

Phoenix I.D.: CA00213

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	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 at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

If 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 13, 2018

Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 13, 2018

QA/QC Data

SDG I.D.: GCA00210

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 422325 (ppbv), QC Sample No: CA00212 (CA00210 (1X, 36X) , CA00211 (1X, 5X) , CA00212 (1X, 5X) , CA00213 (1X, 5X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	106	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	105	60.5	61.6	11.1	11.3	1.8	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	111	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	109	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	106	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	106	0.51	0.52	0.129	0.131	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	102	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	114	14.4	14.9	2.93	3.03	3.4	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	111	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	107	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	101	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	108	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	112	6.44	6.68	1.31	1.36	3.7	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	102	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	111	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	111	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	105	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	109	4.23	3.87	0.860	0.787	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	102	2.07	1.85	0.378	0.338	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	107	37.3	38.0	15.7	16.0	1.9	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	75	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	100	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	99	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	121	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	101	0.33	0.36	0.052	0.057	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	107	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	105	11.2	11.1	2.30	2.28	0.9	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	99	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	107	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	98	4.78	4.64	1.39	1.35	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	109	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	113	11.4	11.6	2.31	2.35	1.7	70 - 130	25

QA/QC Data

SDG I.D.: GCA00210

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
Ethanol	ND	0.530	ND	1.00	109	3.01	2.96	1.60	1.57	NC	70 - 130	25
Ethyl acetate	ND	0.280	ND	1.01	113	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	108	2.63	2.82	0.606	0.649	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	101	4.22	4.30	1.03	1.05	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	92	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	105	1.82 S	1.86 S	0.517 S	0.528 S	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	90	1.64	1.82	0.667	0.740	NC	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	101	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	111	10.4	10.9	2.39	2.51	4.9	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	98	1.32	1.34	0.448	0.453	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	105	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	102	3.02 S	3.16 S	0.869 S	0.911 S	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	105	3.46	3.55	0.631	0.648	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	109	6.21	6.34	1.43	1.46	2.1	70 - 130	25
Propylene	ND	0.580	ND	1.00	107	3.41	3.66	1.98	2.13	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	109	9.45	9.8	2.22	2.31	4.0	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	106	546	559	80.5	82.5	2.5	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	99	26.1	26.4	8.87	8.94	0.8	70 - 130	25
Toluene	ND	0.270	ND	1.02	107	29.6	30.6	7.86	8.12	3.3	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	112	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	112	4.48	4.54	0.834	0.846	1.4	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	109	1.29	1.33	0.229	0.237	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	109	2.26	2.44	0.295	0.318	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	100	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	103		103		101	109	111	109	111	NC	70 - 130	25

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

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

Phyllis Shiller, Laboratory Director
March 13, 2018

Tuesday, March 13, 2018

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCA00210 - GC-ENV

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

*** No Data to Display ***

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

March 13, 2018 SDG I.D.: GCA00210

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

AIRSIM

CHEM20 03/08/18-1: CA00210, CA00211, CA00212, CA00213

The following Continuing Calibration compounds did not meet % deviation criteria: 1,1-Dichloroethene(sim) 34%H (30%), Trichlorotrifluoroethane(sim) 36%H (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: 1,1-Dichloroethene(sim) 34%H (30%), Trichlorotrifluoroethane(sim) 36%H (30%)

PHOENIX *Environmental Laboratories, Inc.*

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

H2S04

CHAIN OF CUSTODY RECORD
AIR ANALYSES

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

P.O. # 10964 Page of

Data Delivery:
☐ Fax #: (631) 206 3729
☑ Email: fulya.toylular@gcenvironmental.com
☑ Phone #: (631) 206 3700

Report to: Fulya Toylular	Invoice to: Diana Lyakis	Project Name: 05_003_00
Customer: GC Env.		Requested Deliverable: RCP ☐ ASP CAT B ☐
Address: 22 Oak Street, Bay Shore, NY 11706		MCP ☐ NJ Deliverables ☐
	Sampled by: Fulya Toylular	State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
00210	SP-1	13647	6.0	-30	-5	5398	87	10:30am	11:30am	3.6.18	-29	-7	X		G		X
00211	SV-1	21344			-2	3257		8:00am	9:00am	3.6.18	-29	-4		X	G		X
00212	SV-2	19931			-1	5039		8:05am	9:05am	3.6.18	-28	-3		X	G		X
		13635				5710											
00213	SP-2	474			-4	3248		9:30am	10:30am	3.6.18	-29	-6	X		G		X

Relinquished by:	Accepted by:	Date:	Time:
		3-8-18	10:00
		3-8-18	18:10

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

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION: (5)6.0 1HR

Requested Criteria

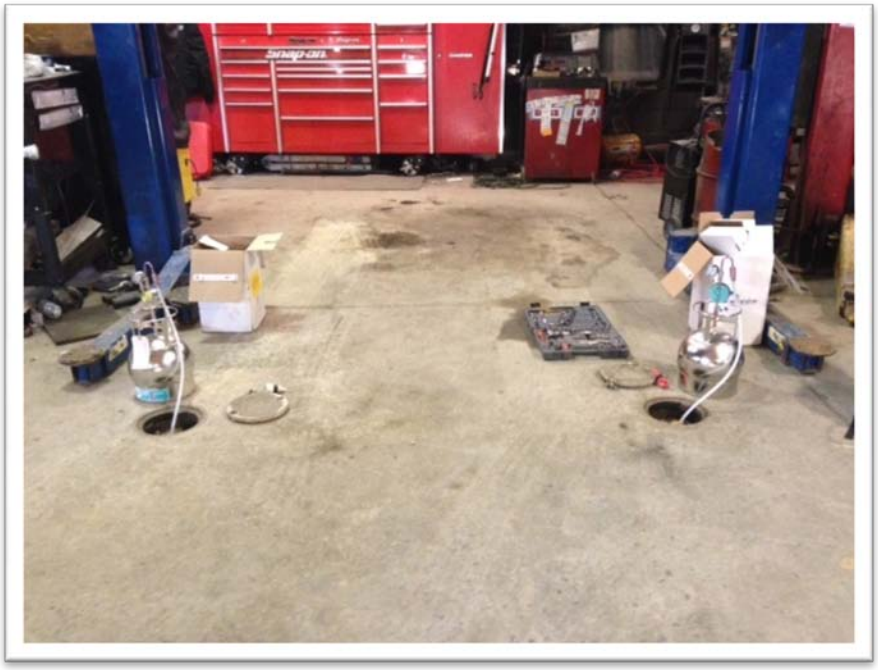
Quote Number: _____

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

Signature: _____ Date: _____

APPENDIX B
Photolog

SVE System Design Work - Photolog



1. Air Sampling at the SVE Points by Using Suma-Canister

2. Air Sampling at the Discharge of the Carbon Vessel

by Using Suma-Canister

3. A Typical PID Reading by Using MultiRAE

4. CFM Reading at the SVE System Unit

5. Vacuum Gauges of the SVE System in the Repair Shop Area

6. Vacuum Gauge of the SVE System in the Repair Shop Area

7. Vacuum Gauges of the SVE System Unit before System Maintenance

8. Vacuum Gauges of the SVE System Unit after System Maintenance

9. A View from the Interior Portion of the Site

(Sub-Slab Area)

10. A View from the Exterior Portion of the Site

(Sub-Slab Area)

11. System Maintenance by Removing the Cover of the Knock out Drum

12. Cleaning the Filter/Demister Assembly inside the Knock out Drum