



Friday, December 14, 2018

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

Project ID: 188 EAST 135TH ST BRONX
Sample ID#s: CC13973 - CC13975

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
 December 14, 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: 23346

Custody Information

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

Date Time
 12/12/18 11:56
 12/13/18 16:30

Laboratory Data

SDG ID: GCC13973
 Phoenix ID: CC13973

Project ID: 188 EAST 135TH ST BRONX
 Client ID: SV 1

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	12/13/18	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	12/13/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	12/13/18	KCA	1	
1,1,2-Trichloroethane	ND	0.183	ND	1.00	12/13/18	KCA	1	
1,1-Dichloroethane	ND	0.247	ND	1.00	12/13/18	KCA	1	
1,1-Dichloroethene	ND	0.051	ND	0.20	12/13/18	KCA	1	
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	12/13/18	KCA	1	
1,2,4-Trimethylbenzene	0.591	0.204	2.90	1.00	12/13/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	12/13/18	KCA	1	
1,2-Dichlorobenzene	ND	0.166	ND	1.00	12/13/18	KCA	1	
1,2-Dichloroethane	ND	0.247	ND	1.00	12/13/18	KCA	1	
1,2-dichloropropane	ND	0.217	ND	1.00	12/13/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	12/13/18	KCA	1	
1,3,5-Trimethylbenzene	0.288	0.204	1.41	1.00	12/13/18	KCA	1	
1,3-Butadiene	ND	0.452	ND	1.00	12/13/18	KCA	1	
1,3-Dichlorobenzene	ND	0.166	ND	1.00	12/13/18	KCA	1	
1,4-Dichlorobenzene	ND	0.166	ND	1.00	12/13/18	KCA	1	
1,4-Dioxane	ND	0.278	ND	1.00	12/13/18	KCA	1	
2-Hexanone(MBK)	ND	0.244	ND	1.00	12/13/18	KCA	1	1
4-Ethyltoluene	0.877	0.204	4.31	1.00	12/13/18	KCA	1	1
4-Isopropyltoluene	ND	0.182	ND	1.00	12/13/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	12/13/18	KCA	1	
Acetone	121	2.11	287	5.01	12/14/18	KCA	5	
Acrylonitrile	ND	0.461	ND	1.00	12/13/18	KCA	1	
Benzene	1.67	0.313	5.33	1.00	12/13/18	KCA	1	
Benzyl chloride	ND	0.193	ND	1.00	12/13/18	KCA	1	

Client ID: SV 1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	ND	1.00	12/13/18	KCA	1
Bromoform	ND	0.097	ND	1.00	12/13/18	KCA	1
Bromomethane	ND	0.258	ND	1.00	12/13/18	KCA	1
Carbon Disulfide	4.73	0.321	14.7	1.00	12/13/18	KCA	1
Carbon Tetrachloride	ND	0.032	ND	0.20	12/13/18	KCA	1
Chlorobenzene	ND	0.217	ND	1.00	12/13/18	KCA	1
Chloroethane	ND	0.379	ND	1.00	12/13/18	KCA	1
Chloroform	ND	0.205	ND	1.00	12/13/18	KCA	1
Chloromethane	ND	0.485	ND	1.00	12/13/18	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	ND	0.20	12/13/18	KCA	1
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	12/13/18	KCA	1
Cyclohexane	2.49	0.291	8.57	1.00	12/13/18	KCA	1
Dibromochloromethane	ND	0.118	ND	1.00	12/13/18	KCA	1
Dichlorodifluoromethane	0.295	0.202	1.46	1.00	12/13/18	KCA	1
Ethanol	14.6	0.531	27.5	1.00	12/13/18	KCA	1
Ethyl acetate	ND	0.278	ND	1.00	12/13/18	KCA	1
Ethylbenzene	0.926	0.230	4.02	1.00	12/13/18	KCA	1
Heptane	10.2	0.244	41.8	1.00	12/13/18	KCA	1
Hexachlorobutadiene	ND	0.094	ND	1.00	12/13/18	KCA	1
Hexane	22.0	0.284	77.5	1.00	12/13/18	KCA	1
Isopropylalcohol	ND	0.407	ND	1.00	12/13/18	KCA	1
Isopropylbenzene	ND	0.204	ND	1.00	12/13/18	KCA	1
m,p-Xylene	3.47	0.230	15.1	1.00	12/13/18	KCA	1
Methyl Ethyl Ketone	7.46	0.339	22.0	1.00	12/13/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	12/13/18	KCA	1
Methylene Chloride	18.7	0.864	64.9	3.00	12/13/18	KCA	1
n-Butylbenzene	ND	0.182	ND	1.00	12/13/18	KCA	1
o-Xylene	1.23	0.230	5.34	1.00	12/13/18	KCA	1
Propylene	ND	0.581	ND	1.00	12/13/18	KCA	1
sec-Butylbenzene	ND	0.182	ND	1.00	12/13/18	KCA	1
Styrene	0.359	0.235	1.53	1.00	12/13/18	KCA	1
Tetrachloroethene	0.553	0.037	3.75	0.25	12/13/18	KCA	1
Tetrahydrofuran	ND	0.339	ND	1.00	12/13/18	KCA	1
Toluene	4.64	0.266	17.5	1.00	12/13/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	12/13/18	KCA	1
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	12/13/18	KCA	1
Trichloroethene	ND	0.037	ND	0.20	12/13/18	KCA	1
Trichlorofluoromethane	ND	0.178	ND	1.00	12/13/18	KCA	1
Trichlorotrifluoroethane	ND	0.131	ND	1.00	12/13/18	KCA	1
Vinyl Chloride	ND	0.078	ND	0.20	12/13/18	KCA	1
QA/QC Surrogates							
% Bromofluorobenzene	88	%	88	%	12/13/18	KCA	1

Client ID: SV 1

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

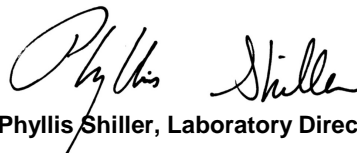
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected 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:

If there are any questions regarding this data, please call Phoenix Client Services.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

December 14, 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

Analysis Report
 December 14, 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: 11290

Custody Information

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

Date Time
 12/12/18 12:32
 12/13/18 16:30

Laboratory Data

SDG ID: GCC13973
 Phoenix ID: CC13974

Project ID: 188 EAST 135TH ST BRONX
 Client ID: SV 2

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	12/13/18	KCA	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	12/13/18	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	12/13/18	KCA	1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	12/13/18	KCA	1
1,1-Dichloroethane	ND	0.247	ND	1.00	12/13/18	KCA	1
1,1-Dichloroethene	ND	0.051	ND	0.20	12/13/18	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	12/13/18	KCA	1
1,2,4-Trimethylbenzene	0.512	0.204	2.52	1.00	12/13/18	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	12/13/18	KCA	1
1,2-Dichlorobenzene	ND	0.166	ND	1.00	12/13/18	KCA	1
1,2-Dichloroethane	ND	0.247	ND	1.00	12/13/18	KCA	1
1,2-dichloropropane	ND	0.217	ND	1.00	12/13/18	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	12/13/18	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	12/13/18	KCA	1
1,3-Butadiene	4.02	0.452	8.89	1.00	12/13/18	KCA	1
1,3-Dichlorobenzene	ND	0.166	ND	1.00	12/13/18	KCA	1
1,4-Dichlorobenzene	ND	0.166	ND	1.00	12/13/18	KCA	1
1,4-Dioxane	ND	0.278	ND	1.00	12/13/18	KCA	1
2-Hexanone(MBK)	ND	0.244	ND	1.00	12/13/18	KCA	1
4-Ethyltoluene	0.764	0.204	3.75	1.00	12/13/18	KCA	1
4-Isopropyltoluene	ND	0.182	ND	1.00	12/13/18	KCA	1
4-Methyl-2-pentanone(MIBK)	0.557	0.244	2.28	1.00	12/13/18	KCA	1
Acetone	104	2.11	247	5.01	12/14/18	KCA	5
Acrylonitrile	ND	0.461	ND	1.00	12/13/18	KCA	1
Benzene	0.869	0.313	2.77	1.00	12/13/18	KCA	1
Benzyl chloride	ND	0.193	ND	1.00	12/13/18	KCA	1

Client ID: SV 2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	ND	1.00	12/13/18	KCA	1
Bromoform	ND	0.097	ND	1.00	12/13/18	KCA	1
Bromomethane	ND	0.258	ND	1.00	12/13/18	KCA	1
Carbon Disulfide	1.65	0.321	5.13	1.00	12/13/18	KCA	1
Carbon Tetrachloride	ND	0.032	ND	0.20	12/13/18	KCA	1
Chlorobenzene	ND	0.217	ND	1.00	12/13/18	KCA	1
Chloroethane	ND	0.379	ND	1.00	12/13/18	KCA	1
Chloroform	ND	0.205	ND	1.00	12/13/18	KCA	1
Chloromethane	ND	0.485	ND	1.00	12/13/18	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	ND	0.20	12/13/18	KCA	1
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	12/13/18	KCA	1
Cyclohexane	2.94	0.291	10.1	1.00	12/13/18	KCA	1
Dibromochloromethane	ND	0.118	ND	1.00	12/13/18	KCA	1
Dichlorodifluoromethane	0.342	0.202	1.69	1.00	12/13/18	KCA	1
Ethanol	22.3	0.531	42.0	1.00	12/13/18	KCA	1
Ethyl acetate	ND	0.278	ND	1.00	12/13/18	KCA	1
Ethylbenzene	0.577	0.230	2.50	1.00	12/13/18	KCA	1
Heptane	0.936	0.244	3.83	1.00	12/13/18	KCA	1
Hexachlorobutadiene	ND	0.094	ND	1.00	12/13/18	KCA	1
Hexane	1.63	S 0.284	5.74	1.00	12/13/18	KCA	1
Isopropylalcohol	0.710	0.407	1.74	1.00	12/13/18	KCA	1
Isopropylbenzene	ND	0.204	ND	1.00	12/13/18	KCA	1
m,p-Xylene	2.37	0.230	10.3	1.00	12/13/18	KCA	1
Methyl Ethyl Ketone	3.90	0.339	11.5	1.00	12/13/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	12/13/18	KCA	1
Methylene Chloride	3.52	S 0.864	12.2	3.00	12/13/18	KCA	1
n-Butylbenzene	ND	0.182	ND	1.00	12/13/18	KCA	1
o-Xylene	0.779	0.230	3.38	1.00	12/13/18	KCA	1
Propylene	97.4	2.91	168	5.01	12/14/18	KCA	5
sec-Butylbenzene	ND	0.182	ND	1.00	12/13/18	KCA	1
Styrene	0.280	0.235	1.19	1.00	12/13/18	KCA	1
Tetrachloroethene	0.091	0.037	0.62	0.25	12/13/18	KCA	1
Tetrahydrofuran	2.69	0.339	7.93	1.00	12/13/18	KCA	1
Toluene	2.80	0.266	10.5	1.00	12/13/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	12/13/18	KCA	1
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	12/13/18	KCA	1
Trichloroethene	ND	0.037	ND	0.20	12/13/18	KCA	1
Trichlorofluoromethane	ND	0.178	ND	1.00	12/13/18	KCA	1
Trichlorotrifluoroethane	ND	0.131	ND	1.00	12/13/18	KCA	1
Vinyl Chloride	0.190	0.078	0.49	0.20	12/13/18	KCA	1
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	88	%	88	%	12/13/18	KCA	1

Client ID: SV 2

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

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected 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:

S - Laboratory solvent, contamination is possible.

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

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



Phyllis Shiller, Laboratory Director

December 14, 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

Analysis Report
 December 14, 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: 19425

Custody Information

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

Date Time
 12/12/18 12:25
 12/13/18 16:30

Laboratory Data

SDG ID: GCC13973
 Phoenix ID: CC13975

Project ID: 188 EAST 135TH ST BRONX
 Client ID: SS 1

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	12/13/18	KCA	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	12/13/18	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	12/13/18	KCA	1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	12/13/18	KCA	1
1,1-Dichloroethane	ND	0.247	ND	1.00	12/13/18	KCA	1
1,1-Dichloroethene	ND	0.051	ND	0.20	12/13/18	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	12/13/18	KCA	1
1,2,4-Trimethylbenzene	0.979	0.204	4.81	1.00	12/13/18	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	12/13/18	KCA	1
1,2-Dichlorobenzene	ND	0.166	ND	1.00	12/13/18	KCA	1
1,2-Dichloroethane	ND	0.247	ND	1.00	12/13/18	KCA	1
1,2-dichloropropane	ND	0.217	ND	1.00	12/13/18	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	12/13/18	KCA	1
1,3,5-Trimethylbenzene	0.350	0.204	1.72	1.00	12/13/18	KCA	1
1,3-Butadiene	ND	0.452	ND	1.00	12/13/18	KCA	1
1,3-Dichlorobenzene	ND	0.166	ND	1.00	12/13/18	KCA	1
1,4-Dichlorobenzene	ND	0.166	ND	1.00	12/13/18	KCA	1
1,4-Dioxane	ND	0.278	ND	1.00	12/13/18	KCA	1
2-Hexanone(MBK)	ND	0.244	ND	1.00	12/13/18	KCA	1
4-Ethyltoluene	1.25	0.204	6.14	1.00	12/13/18	KCA	1
4-Isopropyltoluene	ND	0.182	ND	1.00	12/13/18	KCA	1
4-Methyl-2-pentanone(MIBK)	0.352	0.244	1.44	1.00	12/13/18	KCA	1
Acetone	62.5	2.11	148	5.01	12/14/18	KCA	5
Acrylonitrile	ND	0.461	ND	1.00	12/13/18	KCA	1
Benzene	1.84	0.313	5.87	1.00	12/13/18	KCA	1
Benzyl chloride	ND	0.193	ND	1.00	12/13/18	KCA	1

Client ID: SS 1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	ND	1.00	12/13/18	KCA	1
Bromoform	ND	0.097	ND	1.00	12/13/18	KCA	1
Bromomethane	ND	0.258	ND	1.00	12/13/18	KCA	1
Carbon Disulfide	1.17	0.321	3.64	1.00	12/13/18	KCA	1
Carbon Tetrachloride	0.053	0.032	0.33	0.20	12/13/18	KCA	1
Chlorobenzene	ND	0.217	ND	1.00	12/13/18	KCA	1
Chloroethane	ND	0.379	ND	1.00	12/13/18	KCA	1
Chloroform	ND	0.205	ND	1.00	12/13/18	KCA	1
Chloromethane	ND	0.485	ND	1.00	12/13/18	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	ND	0.20	12/13/18	KCA	1
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	12/13/18	KCA	1
Cyclohexane	0.310	0.291	1.07	1.00	12/13/18	KCA	1
Dibromochloromethane	ND	0.118	ND	1.00	12/13/18	KCA	1
Dichlorodifluoromethane	0.304	0.202	1.50	1.00	12/13/18	KCA	1
Ethanol	10.5	0.531	19.8	1.00	12/13/18	KCA	1
Ethyl acetate	ND	0.278	ND	1.00	12/13/18	KCA	1
Ethylbenzene	1.26	0.230	5.47	1.00	12/13/18	KCA	1
Heptane	0.797	0.244	3.26	1.00	12/13/18	KCA	1
Hexachlorobutadiene	ND	0.094	ND	1.00	12/13/18	KCA	1
Hexane	0.375	S 0.284	1.32	1.00	12/13/18	KCA	1
Isopropylalcohol	1.17	0.407	2.87	1.00	12/13/18	KCA	1
Isopropylbenzene	ND	0.204	ND	1.00	12/13/18	KCA	1
m,p-Xylene	4.22	0.230	18.3	1.00	12/13/18	KCA	1
Methyl Ethyl Ketone	4.24	0.339	12.5	1.00	12/13/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	12/13/18	KCA	1
Methylene Chloride	ND	0.864	ND	3.00	12/13/18	KCA	1
n-Butylbenzene	0.223	0.182	1.22	1.00	12/13/18	KCA	1
o-Xylene	1.49	0.230	6.47	1.00	12/13/18	KCA	1
Propylene	1.62	0.581	2.79	1.00	12/13/18	KCA	1
sec-Butylbenzene	ND	0.182	ND	1.00	12/13/18	KCA	1
Styrene	0.676	0.235	2.88	1.00	12/13/18	KCA	1
Tetrachloroethene	0.846	0.037	5.73	0.25	12/13/18	KCA	1
Tetrahydrofuran	ND	0.339	ND	1.00	12/13/18	KCA	1
Toluene	5.74	0.266	21.6	1.00	12/13/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	12/13/18	KCA	1
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	12/13/18	KCA	1
Trichloroethene	0.065	0.037	0.35	0.20	12/13/18	KCA	1
Trichlorofluoromethane	0.329	0.178	1.85	1.00	12/13/18	KCA	1
Trichlorotrifluoroethane	ND	0.131	ND	1.00	12/13/18	KCA	1
Vinyl Chloride	ND	0.078	ND	0.20	12/13/18	KCA	1
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	79	%	79	%	12/13/18	KCA	1

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

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected 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:

S - Laboratory solvent, contamination is possible.

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

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



Phyllis Shiller, Laboratory Director

December 14, 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



QA/QC Report

December 14, 2018

QA/QC Data

SDG I.D.: GCC13973

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 459950 (ppbv), QC Sample No: CC13975 (CC13973 (1X, 5X) , CC13974 (1X, 5X) , CC13975 (1X, 5X))

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	97	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	85	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	95	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	97	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	88	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	83	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	149	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	98	4.81	4.62	0.979	0.941	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	102	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	85	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	95	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	92	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	100	1.72	1.75	0.350	0.357	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	90	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	102	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	100	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	100	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	94	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	101	6.14	5.85	1.25	1.19	4.9	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	103	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	91	1.44	1.54	0.352	0.377	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	82	131	129	55.1	54.5	1.1	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	89	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	90	5.87	5.59	1.84	1.75	5.0	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	102	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	86	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	83	3.64	3.36	1.17	1.08	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	88	0.33	0.30	0.053	0.047	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	103	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	85	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	89	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	82	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	89	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	92	1.07	1.06	0.310	0.309	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	98	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	93	1.50	1.45	0.304	0.293	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	99	19.8	17.5	10.5	9.27	12.4	70 - 130	25

QA/QC Data

SDG I.D.: GCC13973

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
Ethyl acetate	ND	0.280	ND	1.01	80	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	101	5.47	5.64	1.26	1.30	3.1	70 - 130	25
Heptane	ND	0.240	ND	0.98	89	3.26	2.93	0.797	0.715	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	123	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	89	1.32 S	ND	0.375 S	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	82	2.87	2.92	1.17	1.19	NC	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	99	18.3	18.4	4.22	4.25	0.7	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	78	12.5	12.9	4.24	4.38	3.2	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	87	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	81	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	99	1.22	1.26	0.223	0.229	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	104	6.47	6.29	1.49	1.45	2.7	70 - 130	25
Propylene	ND	0.580	ND	1.00	95	2.79	2.89	1.62	1.68	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	96	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	104	2.88	3.39	0.676	0.797	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	104	5.73	6.14	0.846	0.906	6.8	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	88	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	97	21.6	21.4	5.74	5.69	0.9	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	85	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	100	0.35	0.30	0.065	0.056	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	85	1.85	1.56	0.329	0.278	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	86	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	91	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	98		98		105	79	83	79	83	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
December 14, 2018

Friday, December 14, 2018

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCC13973 - EBC

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

*** No Data to Display ***

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



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



Analysis Comments

December 14, 2018

SDG I.D.: GCC13973

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.



587 East Middle Turnpike, P.O. Box 370 Manchester, CT 06040
 Telephone: 860.643.1102 • Fax: 860.643.0823

**CHAIN OF CUSTODY RECORD
 AIR ANALYSES**

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

P.O. # _____ Page 1 of 1

Data Delivery: _____
 Fax #: _____
 Email: F.le
 Phone #: _____

Report to: Keith Butler
 Customer: EBC
 Address: _____

Invoice to: EBC
 Project Name: 188 East 135th Street, Bronx
 Requested Deliverable: RCP ASP CAT B
 MCP NJ Deliverables
 State where samples collected: NY

Phoenix ID #	Client Sample ID	THIS SECTION FOR LAB USE ONLY										Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15			
		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)		
	Pid not use	23346	6.0	-30		4985	43												
139173	SV1	19589			-6	4959						10:08	11:56	12-12-18	-28	-5		X	
139174	SV2	11290			-3	5652						10:21	12:32	12-12-18	-30	-5		X	
139175	SS1	19425			-7	5693						10:15	12:35	12-12-18	-29	-5		X	

Relinquished by: David Rukk
 Accepted by: Greg Butler
 Date: 12-13-18
 Time: 11:30
 Turnaround Time: _____
 24 Hour 48 F
 I attest that all media released received in good working order back of this document.

Requested Criteria: _____
 Quote Number: _____
 Signature: f