



49 Woodside Street Stamford, CT 06902

Westport Public Schools
Attn. Craig Schmarr

August 17, 2018

Re: Indoor Air Quality Test
Coleytown Middle School

Dear Mr. Schmarr.

As requested, Hygenix performed a proactive indoor air quality test at three locations of Coleytown Middle School. This report describes the results of testing conducted by Hygenix Inc. for a battery of volatile organic compounds (VOCs). On August 9, 2018 three Summa canisters were deployed to collect air samples from the following locations.

- Principal Office
- Assistant Principal Office
- Main Office Reception Area

After the sampling each Summa canister was shut off and shipped to Phoenix Environmental Labs Cromwell, CT for analysis. The contents of the sampling canisters were analyzed for a battery of 60 important volatile organic compounds included in Title III of the Clean Air Act (EPA Method 10-15). Listing of exposure standards set by the US Occupational Safety and Health Administration (OSHA PEL). These standards apply to workplace exposures over an 8- hour workday.

TABLE 1 – Volatile Organic Compounds
Assistant Principal's Office (229A)

Volatile Organic Compound	Concentration Detected ppb	OSHA PEL's ppb
Acetone	9.04	1000000
Chloromethane	1.99	100000
Dichlorodifluoromethane	0.594	1000000
Ethanol	13.4	1000000
Isopropylacohol	6.10	400000
Methyl Ethyl Ketone	0.614	200000
Toluene	0.517	200000

TABLE 2 – Volatile Organic Compounds
Principal's Office (229B)

Volatile Organic Compound	Concentration Detected ppb	OSHA PEL's ppb
Acetone	6.91	1000000
Chloromethane	2.13	100000
Dichlorodifluoromethane	0.552	1000000
Ethanol	9.41	1000000
Isopropylacohol	2.64	400000
Methyl Ethyl Ketone	0.593	200000

**TABLE 3 – Volatile Organic Compounds
Main Office Reception Area**

Volatile Organic Compound	Concentration Detected ppb	OSHA PEL's ppb
Acetone	7.55	1000000
Chloromethane	2.32	100000
Dichlorodifluoromethane	0.566	1000000
Ethanol	13.3	1000000
Isopropylalcohol	2.92	400000
Methyl Ethyl Ketone	0.587	200000
Toluene	0.628	200000

OSHA PEL - Refers to the US Occupations Safety and Health Administration Permissible Exposure Limits for occupations exposure, based on an 8- hour time-weighted average.

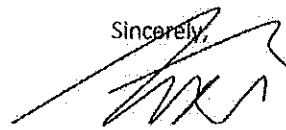
Conclusion

No elevated levels of volatile organic compounds were found at the sampling locations. Comparing the concentrations of the organic compounds identified in the air samples with the OSHA standards, the recorded concentrations were lower by many orders of magnitude.

The compounds detected at the site are widely distributed in the environment. Sources of these compounds include cleaning products, solvents, paints, adhesives, fuels, lubricants, and other common products. Airborne concentrations of volatile compounds can change rapidly depending upon temperature, ventilation, and environmental conditions.

Please call me at 203-324-2222 if you have any questions about the test procedures or results. Thank you.

Sincerely,



Ted Tio, MS, CIEC
Hygenix, Inc.

LABORATORY ANALYSIS REPORT



Tuesday, August 14, 2018

Attn: Ted Tio
Hygenix
49 Woodside St.
Stamford, CT 06902

Project ID: WPS-CMS
Sample ID#s: CB08935 - CB08936

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 cursive script that reads "Phyllis Shiller".

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
 August 14, 2018

FOR: Attn: Ted Tio
 Hygenix
 49 Woodside St.
 Stamford, CT 06902

Sample Information

Matrix: AIR
 Location Code: HYGENIX
 Rush Request: 24 Hour
 P.O.#:
 Canister Id: 11292

Custody Information

Collected by:
 Received by: CP
 Analyzed by: see "By" below

Date Time
 08/09/18 15:05
 08/10/18 14:26

Project ID: WPS-CMS
 Client ID: OFFICE 229B

Laboratory Data

SDG ID: GCB08935
 Phoenix ID: CB08935

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	0.500	ND	3.43	08/11/18	KCA	1
1,1,1-Trichloroethane	ND	0.500	ND	2.73	08/11/18	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.500	ND	3.43	08/11/18	KCA	1
1,1,2-Trichloroethane	ND	0.500	ND	2.73	08/11/18	KCA	1
1,1-Dichloroethane	ND	0.500	ND	2.02	08/11/18	KCA	1
1,1-Dichloroethene	ND	0.500	ND	1.98	08/11/18	KCA	1
1,2,4-Trichlorobenzene	ND	0.500	ND	3.71	08/11/18	KCA	1
1,2,4-Trimethylbenzene	ND	0.500	ND	2.46	08/11/18	KCA	1
1,2-Dibromoethane(EDB)	ND	0.500	ND	3.84	08/11/18	KCA	1
1,2-Dichlorobenzene	ND	0.500	ND	3.00	08/11/18	KCA	1
1,2-Dichloroethane	ND	0.500	ND	2.02	08/11/18	KCA	1
1,2-dichloropropane	ND	0.500	ND	2.31	08/11/18	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.500	ND	3.49	08/11/18	KCA	1
1,3,5-Trimethylbenzene	ND	0.500	ND	2.46	08/11/18	KCA	1
1,3-Butadiene	ND	0.500	ND	1.11	08/11/18	KCA	1
1,3-Dichlorobenzene	ND	0.500	ND	3.00	08/11/18	KCA	1
1,4-Dichlorobenzene	ND	0.500	ND	3.00	08/11/18	KCA	1
1,4-Dioxane	ND	0.500	ND	1.80	08/11/18	KCA	1
2-Hexanone(MBK)	ND	0.500	ND	2.05	08/11/18	KCA	1
4-Ethyltoluene	ND	0.500	ND	2.46	08/11/18	KCA	1
4-Isopropyltoluene	ND	0.500	ND	2.74	08/11/18	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.500	ND	2.05	08/11/18	KCA	1
Acetone	6.91	0.500	16.4	1.19	08/11/18	KCA	1
Acrylonitrile	ND	0.500	ND	1.08	08/11/18	KCA	1
Benzene	ND	0.500	ND	1.60	08/11/18	KCA	1
Benzyl chloride	ND	0.500	ND	2.59	08/11/18	KCA	1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.500	ND	3.35	08/11/18	KCA	1
Bromoform	ND	0.500	ND	5.17	08/11/18	KCA	1
Bromomethane	ND	0.500	ND	1.94	08/11/18	KCA	1
Carbon Disulfide	ND	0.500	ND	1.56	08/11/18	KCA	1
Carbon Tetrachloride	ND	0.500	ND	3.14	08/11/18	KCA	1
Chlorobenzene	ND	0.500	ND	2.30	08/11/18	KCA	1
Chloroethane	ND	0.500	ND	1.32	08/11/18	KCA	1
Chloroform	ND	0.500	ND	2.44	08/11/18	KCA	1
Chloromethane	2.13	0.500	4.40	1.03	08/11/18	KCA	1
Cis-1,2-Dichloroethene	ND	0.500	ND	1.98	08/11/18	KCA	1
cis-1,3-Dichloropropene	ND	0.500	ND	2.27	08/11/18	KCA	1
Cyclohexane	ND	0.500	ND	1.72	08/11/18	KCA	1
Dibromochloromethane	ND	0.500	ND	4.26	08/11/18	KCA	1
Dichlorodifluoromethane	0.552	0.500	2.73	2.47	08/11/18	KCA	1
Ethanol	9.41	0.500	17.7	0.94	08/11/18	KCA	1
Ethyl acetate	ND	0.500	ND	1.80	08/11/18	KCA	1
Ethylbenzene	ND	0.500	ND	2.17	08/11/18	KCA	1
Heptane	ND	0.500	ND	2.05	08/11/18	KCA	1
Hexachlorobutadiene	ND	0.500	ND	5.33	08/11/18	KCA	1
Hexane	ND	0.500	ND	1.76	08/11/18	KCA	1
Isopropylalcohol	2.64	0.500	6.49	1.23	08/11/18	KCA	1
Isopropylbenzene	ND	0.500	ND	2.46	08/11/18	KCA	1
m,p-Xylene	ND	1.00	ND	4.34	08/11/18	KCA	1
Methyl Ethyl Ketone	0.593	0.500	1.75	1.47	08/11/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.500	ND	1.80	08/11/18	KCA	1
Methylene Chloride	ND	0.500	ND	1.74	08/11/18	KCA	1
n-Butylbenzene	ND	0.500	ND	2.74	08/11/18	KCA	1
o-Xylene	ND	0.500	ND	2.17	08/11/18	KCA	1
Propylene	ND	0.500	ND	0.86	08/11/18	KCA	1
sec-Butylbenzene	ND	0.500	ND	2.74	08/11/18	KCA	1
Styrene	ND	0.500	ND	2.13	08/11/18	KCA	1
Tetrachloroethene	ND	0.500	ND	3.39	08/11/18	KCA	1
Tetrahydrofuran	ND	0.500	ND	1.47	08/11/18	KCA	1
Toluene	ND	0.500	ND	1.88	08/11/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.500	ND	1.98	08/11/18	KCA	1
trans-1,3-Dichloropropene	ND	0.500	ND	2.27	08/11/18	KCA	1
Trichloroethene	ND	0.500	ND	2.69	08/11/18	KCA	1
Trichlorofluoromethane	ND	0.500	ND	2.81	08/11/18	KCA	1
Trichlorotrifluoroethane	ND	0.500	ND	3.83	08/11/18	KCA	1
Vinyl Chloride	ND	0.500	ND	1.28	08/11/18	KCA	1
QA/QC Surrogates							
% Bromofluorobenzene	97	%	97	%	08/11/18	KCA	1

Project ID: WPS-CMS
Client ID: OFFICE 229B

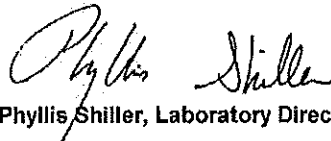
Phoenix I.D.: CB08935

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
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:

The canister was received under no vacuum, therefore sample results may not be representative.
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
August 14, 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
 August 14, 2018

FOR: Attn: Ted Tio
 Hygenix
 49 Woodside St.
 Stamford, CT 06902

Sample Information

Matrix: AIR
 Location Code: HYGEXIX
 Rush Request: 24 Hour
 P.O.#:
 Canister Id: 23348

Custody Information

Collected by:
 Received by: CP
 Analyzed by: see "By" below

Date Time
 08/09/18 15:03
 08/10/18 14:26

Laboratory Data

SDG ID: GCB08935
 Phoenix ID: CB08936

Project ID: WPS-CMS
 Client ID: MAIN OFFICE RECEPTION

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.500	ND	3.43	08/11/18	KCA	1
1,1,1-Trichloroethane	ND	0.500	ND	2.73	08/11/18	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.500	ND	3.43	08/11/18	KCA	1
1,1,2-Trichloroethane	ND	0.500	ND	2.73	08/11/18	KCA	1
1,1-Dichloroethane	ND	0.500	ND	2.02	08/11/18	KCA	1
1,1-Dichloroethene	ND	0.500	ND	1.98	08/11/18	KCA	1
1,2,4-Trichlorobenzene	ND	0.500	ND	3.71	08/11/18	KCA	1
1,2,4-Trimethylbenzene	ND	0.500	ND	2.46	08/11/18	KCA	1
1,2-Dibromoethane(EDB)	ND	0.500	ND	3.84	08/11/18	KCA	1
1,2-Dichlorobenzene	ND	0.500	ND	3.00	08/11/18	KCA	1
1,2-Dichloroethane	ND	0.500	ND	2.02	08/11/18	KCA	1
1,2-dichloropropane	ND	0.500	ND	2.31	08/11/18	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.500	ND	3.49	08/11/18	KCA	1
1,3,5-Trimethylbenzene	ND	0.500	ND	2.46	08/11/18	KCA	1
1,3-Butadiene	ND	0.500	ND	1.11	08/11/18	KCA	1
1,3-Dichlorobenzene	ND	0.500	ND	3.00	08/11/18	KCA	1
1,4-Dichlorobenzene	ND	0.500	ND	3.00	08/11/18	KCA	1
1,4-Dioxane	ND	0.500	ND	1.80	08/11/18	KCA	1
2-Hexanone(MBK)	ND	0.500	ND	2.05	08/11/18	KCA	1
4-Ethyltoluene	ND	0.500	ND	2.46	08/11/18	KCA	1
4-Isopropyltoluene	ND	0.500	ND	2.74	08/11/18	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.500	ND	2.05	08/11/18	KCA	1
Acetone	7.55	0.500	17.9	1.19	08/11/18	KCA	1
Acrylonitrile	ND	0.500	ND	1.08	08/11/18	KCA	1
Benzene	ND	0.500	ND	1.60	08/11/18	KCA	1
Benzyl chloride	ND	0.500	ND	2.59	08/11/18	KCA	1

Client ID: MAIN OFFICE RECEPTION

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.500	ND	3.35	08/11/18	KCA	1
Bromoform	ND	0.500	ND	5.17	08/11/18	KCA	1
Bromomethane	ND	0.500	ND	1.94	08/11/18	KCA	1
Carbon Disulfide	ND	0.500	ND	1.56	08/11/18	KCA	1
Carbon Tetrachloride	ND	0.500	ND	3.14	08/11/18	KCA	1
Chlorobenzene	ND	0.500	ND	2.30	08/11/18	KCA	1
Chloroethane	ND	0.500	ND	1.32	08/11/18	KCA	1
Chloroform	ND	0.500	ND	2.44	08/11/18	KCA	1
Chloromethane	2.32	0.500	4.79	1.03	08/11/18	KCA	1
Cis-1,2-Dichloroethene	ND	0.500	ND	1.98	08/11/18	KCA	1
cis-1,3-Dichloropropene	ND	0.500	ND	2.27	08/11/18	KCA	1
Cyclohexane	ND	0.500	ND	1.72	08/11/18	KCA	1
Dibromochloromethane	ND	0.500	ND	4.26	08/11/18	KCA	1
Dichlorodifluoromethane	0.566	0.500	2.80	2.47	08/11/18	KCA	1
Ethanol	13.3	0.500	25.0	0.94	08/11/18	KCA	1
Ethyl acetate	ND	0.500	ND	1.80	08/11/18	KCA	1
Ethylbenzene	ND	0.500	ND	2.17	08/11/18	KCA	1
Heptane	ND	0.500	ND	2.05	08/11/18	KCA	1
Hexachlorobutadiene	ND	0.500	ND	5.33	08/11/18	KCA	1
Hexane	ND	0.500	ND	1.76	08/11/18	KCA	1
Isopropylalcohol	2.92	0.500	7.17	1.23	08/11/18	KCA	1
Isopropylbenzene	ND	0.500	ND	2.46	08/11/18	KCA	1
m,p-Xylene	ND	1.00	ND	4.34	08/11/18	KCA	1
Methyl Ethyl Ketone	0.587	0.500	1.73	1.47	08/11/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.500	ND	1.80	08/11/18	KCA	1
Methylene Chloride	ND	0.500	ND	1.74	08/11/18	KCA	1
n-Butylbenzene	ND	0.500	ND	2.74	08/11/18	KCA	1
o-Xylene	ND	0.500	ND	2.17	08/11/18	KCA	1
Propylene	ND	0.500	ND	0.86	08/11/18	KCA	1
sec-Butylbenzene	ND	0.500	ND	2.74	08/11/18	KCA	1
Styrene	ND	0.500	ND	2.13	08/11/18	KCA	1
Tetrachloroethene	ND	0.500	ND	3.39	08/11/18	KCA	1
Tetrahydrofuran	ND	0.500	ND	1.47	08/11/18	KCA	1
Toluene	0.628	0.500	2.37	1.88	08/11/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.500	ND	1.98	08/11/18	KCA	1
trans-1,3-Dichloropropene	ND	0.500	ND	2.27	08/11/18	KCA	1
Trichloroethene	ND	0.500	ND	2.69	08/11/18	KCA	1
Trichlorofluoromethane	ND	0.500	ND	2.81	08/11/18	KCA	1
Trichlorotrifluoroethane	ND	0.500	ND	3.83	08/11/18	KCA	1
Vinyl Chloride	ND	0.500	ND	1.28	08/11/18	KCA	1
QA/QC Surrogates							
% Bromofluorobenzene	95	%	95	%	08/11/18	KCA	1

Project ID: WPS-CMS
Client ID: MAIN OFFICE RECEPTION

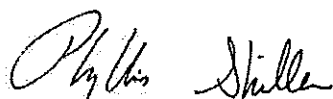
Phoenix I.D.: CB08936

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
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Comments:

The canister was received under no vacuum, therefore sample results may not be representative.
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Phyllis Shiller, Laboratory Director

August 14, 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
 August 14, 2018

QA/QC Data

SDG I.D.: GCB08935

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 442848 (ppbv), QC Sample No: CB07339 (CB08935, CB08936)												
<u>Volatiles</u>												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	101	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	99	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	106	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	107	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	101	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	96	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	109	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	100	15.9	16.8	3.23	3.41	5.4	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	105	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	102	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	115	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	97	4.48	4.59	0.912	0.935	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	100	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	107	4.60	4.92	0.766	0.818	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	116	2.97	3.07	0.825	0.853	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	83	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	96	13.3	14.0	2.71	2.84	4.7	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	95	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	107	11.2	12.0	2.73	2.93	7.1	70 - 130	25
Acetone	NR	0.42	NR	1.00	88	197	177	83.0	74.7	10.5	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	96	8.00	7.79	3.69	3.59	2.7	70 - 130	25
Benzene	ND	0.310	ND	0.99	93	9.7	9.48	3.05	2.97	2.7	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	94	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	115	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	106	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	96	5.69	5.48	1.83	1.76	3.9	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	105	0.26	0.22	0.042	0.035	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	102	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	102	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	95	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	101	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	91	2.72	2.76	0.792	0.802	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	115	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	116	34.2	32.6	6.92	6.59	4.9	70 - 130	25
Ethanol	ND	0.530	ND	1.00	104	78.5	74.6	41.7	39.6	5.2	70 - 130	25

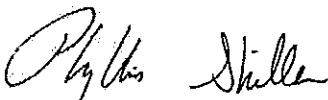
QA/QC Data

SDG I.D.: GCB08935

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethyl acetate	ND	0.280	ND	1.01	93	2.81	2.41	0.780	0.670	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	101	9.6	10.8	2.22	2.48	11.1	70 - 130	25
Heptane	ND	0.240	ND	0.98	102	4.79	5.16	1.17	1.26	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	93	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	118	10.8	10.4	3.06	2.96	3.3	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	99	26.0	25.3	10.6	10.3	2.9	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	112	1.44	1.51	0.294	0.307	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	102	36.4	37.4	8.39	8.62	2.7	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	102	27.8	27.5	9.44	9.33	1.2	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	106	6.13	5.98	1.70	1.66	2.4	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	97	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	99	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	103	12.8	13.5	2.94	3.11	5.6	70 - 130	25
Propylene	ND	0.580	ND	1.00	114	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	101	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	99	4.68	5.07	1.10	1.19	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	107	41.8	42.0	6.17	6.19	0.3	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	93	5.51	5.33	1.87	1.81	3.3	70 - 130	25
Toluene	ND	0.270	ND	1.02	103	43.3	44.8	11.5	11.9	3.4	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	100	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	105	0.48	0.50	0.090	0.094	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	105	12.8	12.2	2.28	2.18	4.5	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	96	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	96		96		98	95	97	95	97	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
 August 14, 2018

Tuesday, August 14, 2018

Criteria: None

State: CT

Sample Criteria Exceedances Report

GCB08935 - HYGENIX

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 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



Analysis Comments

August 14, 2018

SDG I.D.: GCB08935

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



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 Telephone: 860.645.1102 - Fax: 860.645.0633

**CHAIN OF CUSTODY RECORD
 AIR ANALYSES**

800-927-5426

email: greg@phoenixlabs.com

P.O. #

Data Delivery: Fax #: Email: Phone #:

Page 1 of 1

770@HYGEMIX.COM

Report to: Ted

Customer: Hygenix

Address: [Signature]

Sampled by: 7.7

Project Name: WPS-CMS

Requested Deliverable: RCP ASP CAT B

MCP NI Deliverables

State where samples collected: CT

Phoenix ID #

08935 office 22913

08930 main office reception

Client Sample ID

Canister Size (L)

11292 6.0 -30

23248 6.0 -30

Outgoing Canister Pressure (rHg)

0

0

Incoming Canister Pressure (rHg)

2961

5000

Flow Regulator ID #

28.9

28.9

Flow Controller Setting (ml/min)

10:50 3:05 8/9/8 30 3

10:50 3:03 8/9/8 30 1

Sampling Start Time

Sampling End Time

Sample Start Date

Canister Pressure at Start (rHg)

Canister Pressure at End (rHg)

State where samples collected: CT

Soil Gas

Gab (G) Composite (C)

TO-14

TO-15

ANALYSES

Requisitioned by: [Signature]

Accepted by: [Signature]

Date: 8/10

Time: 11:53

Data Format: Excel Equis Other

SPECIAL INSTRUCTIONS OR REQUIREMENTS, REGULATORY INFORMATION: (2)(6.0) 3HP

Requested Criteria: [Signature]

Turnaround Time: 24 Hour 48 Hour 72 Hour Standard

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

Signature: [Signature]

Date: _____